

**R1278**

**Sub. Code**

**301NM1**

**B.Voc. DEGREE EXAMINATION, APRIL – 2024**

**Fashion Technology**

**NME – VISUAL MERCHANDISING**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** questions following objectives questions by choosing the correct option.

1. \_\_\_\_\_ is the practice of organizing and displaying product in a retail space. (CO1, K1)
  - (a) Sidewalk
  - (b) Retail Merchandising
  - (c) Merchandising
  - (d) Visual merchandising
  
2. \_\_\_\_\_ display is a combination of any items that are not related. (CO1, K1)
  - (a) Variety of assorted
  - (b) Line of goods
  - (c) One item
  - (d) Related goods

3. \_\_\_\_\_ can unite, direct, highlight and set the dynamics. There is a repetition of shape, color, tone, texture, accents, direction and dynamic. (CO2, K2)
- (a) Rhythm
  - (b) Balance
  - (c) Emphasis
  - (d) Colour
4. To apply the visual hierarchy, identify the four factors to be considered. (CO2, K2)
- (a) Signage, light, color, textile
  - (b) Ambient, accent, task, decorative
  - (c) Product, price, placement, display
  - (d) Size, color, contrast, placement
5. \_\_\_\_\_ are clothing racks that features two or more rails. (CO3, K3)
- (a) Single rail
  - (b) Multi rail
  - (c) Rolling garment bags
  - (d) Three tier tables
6. \_\_\_\_\_ are detailed drawings of your layout with special attention on product placement. (CO3, K3)
- (a) Diagram
  - (b) Triogram
  - (c) Planogram
  - (d) Blue print

7. \_\_\_\_\_ lines personify grace, charm and femininity. (CO4, K4)
- (a) Diagonal line
  - (b) Curved line
  - (c) Vertical line
  - (d) Horizontal line
8. \_\_\_\_\_ is a practice of using old or discarded material. (CO4, K4)
- (a) Upcycling
  - (b) Trikling
  - (c) Waste management
  - (d) Trickling
9. \_\_\_\_\_ lighting is used to get creative drawing attention to your merchandise. (CO5, K5)
- (a) Accent
  - (b) Ambient
  - (c) Task
  - (d) Decorative
10. Customer's attention can be drawn to specific products using \_\_\_\_\_. (CO5, K5)
- (a) Task lighting
  - (b) Track lighting
  - (c) Recessed lighting
  - (d) Accent lighting

**Part B**

(5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Give an account of Visual merchandising basics.  
(CO1, K1)

Or

- (b) Give an account on Window display and list the types of window display and display settings.  
(CO1, K1)

12. (a) Differentiate store exterior and store interior.  
(CO2, K2)

Or

- (b) State the importance of ledger, shadow boxes, enclosed displays, fascia 100% traffic areas in the store.  
(CO2, K2)

13. (a) Show the importance of colour, simplicity and repetition in a store.  
(CO3, K3)

Or

- (b) Illustrate any five different types of fixtures.  
(CO3, K3)

14. (a) Justify how a colour and lighting is used as an attention drawing element.  
(CO4, K4)

Or

- (b) Examine the application of colour scheme in creating a balance in show room.  
(CO4, K4)

15. (a) Justify why lighting is very importance in store design. (CO5, K5)

Or

- (b) Give an account on the campaign and promotional aspects. (CO5, K5)

**Part C** (5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Explain signage and the importance signage with illustration. (CO1, K1)

Or

- (b) Discuss different types of floor layout with examples. (CO1, K1)

17. (a) Explain briefly about the store exterior and methods of creating an attractive store exterior. (CO2, K2)

Or

- (b) Illustrate the store interior of any store and mention the different merchandising techniques, principles of design, floor layout, signage, color blocking, elements of design and fixtures used. (CO2, K2)

18. (a) Describe in detail fixtures and different types of fixtures. (CO3, K3)

Or

- (b) Disucss on planogram, benefits, importance and maintenance of planogram. (CO3, K3)

19. (a) Explain different types of attention-drawing devices used in retail stores. (CO4, K4)

Or

- (b) Interpret how colour psychology and colour sets a mood for seasonal display and trend. (CO4, K4)

20. (a) Explain the different types of light used in store displays and the effect of music in store. (CO5, K5)

Or

- (b) Discuss on the role of visual merchandising in-store promotion and scheduling the promotion. (CO5, K5)

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**R1279**

**Sub. Code**

**302NM1**

**B.Voc. DEGREE EXAMINATION, APRIL – 2024**

**Software Development**

**NME : WEB DESIGNING**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. What was the name of the first network? (CO1, K1)  
(a) ASAPNET (b) ARPANET  
(c) CNET (d) NSFNET
2. Which of the following is used to allocate and manage resources for a network? (CO1, K1)  
(a) Bluetooth (b) Server  
(c) Node (d) None of the above
3. A world wide web contains billions of web pages \_\_\_\_\_. (CO2, K3)  
(a) Residing in several computers  
(b) Created using HTML  
(c) Residing in many computer systems linked together using HTML  
(d) Both (b) and (c)
4. \_\_\_\_\_ allows client to update their DNS entry as their IP address change. (CO2, K3)  
(a) Dynamic DNS  
(b) Mail transfer agent  
(c) Authoritative name server  
(d) none of the mentioned

5. \_\_\_\_\_ attribute is used to provide a unique name to HTML element. (CO3, K5)
- (a) id (b) class  
(c) type (d) None of the above
6. Which of the following tags is used to add rows in the table? (CO3, K5)
- (a) <tr> and </tr> (b) <td> and </td>  
(c) <th> and </th> (d) None of the above
7. Which of the following methods is used to access HTML elements using Javascript? (CO4, K5)
- (a) getElementById()  
(b) getElementByClassName()  
(c) Both (a) and (b)  
(d) None of the above
8. Arrays in JavaScript are defined by which of the following statements? (CO4, K5)
- (a) It is an ordered list of values  
(b) It is an ordered list of objects  
(c) It is an ordered list of string  
(d) It is an ordered list of functions
9. \_\_\_\_\_ class in Bootstrap is used to create a large button. (CO5, K3)
- (a) .btn-xl (b) .btn-lrg  
(c) .btn-large (d) .btn-lg
10. Which of the following name was given to Bootstrap originally? (CO5, K3)
- (a) Twitter Blueprint  
(b) Twitter Bootstrap  
(c) Twitter Blueprint Bootstrap  
(d) None of the above



**Part B**

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Write a note on networks, interoperability and standards. (CO1, K1)

Or

- (b) Compare transport and network layers. (CO1, K1)

12. (a) Write short notes on URL. (CO2, K3)

Or

- (b) Give a brief note on characteristics of mail access protocols.

(CO2, K3)

13. (a) How to create hypertext link in HTML document? (CO3, K5)

Or

- (b) What are the elements available in time tag? (CO3, K5)

14. (a) Write short notes on Expression in Java Script. (CO4, K5)

Or

- (b) Write the procedure to create webpage using format tags in HTML. (CO4, K5)

15. (a) How to declare variables in bootstrap? Explain. (CO5, K3)

Or

- (b) How do you customize base CSS? Explain. (CO5, K3)

**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Describe about layering models with neat sketch. (CO1, K1)

Or

- (b) What are the key aspects of networking? Explain in detail. (CO1, K1)

17. (a) Describe the FTP algorithm in detail. (CO2, K3)

Or

- (b) Elaborate DNS server model with neat sketch. (CO2, K3)

18. (a) Write a HTML program to display menu using ordered and unordered list. (CO3, K5)

Or

- (b) How to add audio and video in web page? Explain with example. (CO3, K5)

19. (a) Illustrate the overview of Javascript in detail. (CO4, K5)

Or

- (b) How to handle events from body elements? Explain. (CO4, K5)

20. (a) Explain about the installation procedure of bootstrap CDN in detail. (CO5, K5)

Or

- (b) Write in detail about usage of Base CSS in bootstrap. (CO5, K5)

**R1280**

**Sub. Code**

**303NM1**

**M.Voc. DEGREE EXAMINATION, APRIL – 2024**

**Fashion Technology**

**NME : FASHION DESIGNING**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. Describe the term that indicates new and experimental ideas and methods in fashion (CO1, K1)  
(a) Chic (b) Knock off  
(c) Avant garde (d) Pret-a-Porter
2. A fashion that does not last long is termed (CO1, K1)  
(a) Classic (b) fad  
(c) chic (d) Couture
3. Name the principle that refers to ratio of one element to the other in the design (CO2, K1)  
(a) Balance (b) Proportion  
(c) Harmony (d) Emphasis
4. Recall the principle of design that refers to a garment's overall unity and coherence (CO2, K1)  
(a) Rhythm (b) Emphasis  
(c) Harmony (d) Proportion

5. Name the colour that is represented by letter 'K' in CMYK (CO3, K1)
- (a) White (b) Grey  
(c) Cyan (d) Black
6. Identify the term that represents the brightness or dullness of a colour (CO3, K1)
- (a) Hue (b) Value  
(c) Intensity (d) Analogous
7. Which of the following is the role of a fashion designer? (CO4, K1)
- (a) Creating design concepts  
(b) Researching trends  
(c) Overseeing production process  
(d) All the above
8. Identify the designer who has contributed to adorning Aiswarya rai and Diana Hayden (CO4, K1)
- (a) Rohit Khosla (b) Gitanjali Kashyap  
(c) J.J.Valaya (d) Hemant Trivedi
9. Name the fashion capital of Europe (CO5, K1)
- (a) Milan (b) New york  
(c) Paris (d) London
10. A person's collection of clothes is referred to as (CO5, K1)
- (a) Personal style (b) Styling  
(c) Image (d) Wardrobe

**Part B**

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Explain the types of Design. (CO1, K2)

Or

- (b) What is fashion forecasting? Explain. (CO1, K1)

12. (a) Explain about balance and its types. (CO2, K2)

Or

- (b) How can you create Rhythm in dress design?  
(CO2, K4)

13. (a) Outline the importance of colour and discuss about warm and cool colours. (CO3, K2)

Or

- (b) Explain primary and secondary colours. (CO3, K2)

14. (a) Recall the works of Rohitbal. (CO4, K4)

Or

- (b) Discuss about Anju modi and her contribution to fashion design. (CO4, K6)

15. (a) Compile about types of boards in developing a portfolio. (CO5, K6)

Or

- (b) Outline about fashion styling. (CO5, K2)

**Part C**

(5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Summarize the factors that influence fashion. (CO1, K2)

Or

- (b) Illustrate and explain a fashion cycle. (CO1, K2)

17. (a) Prove the importance of elements of design in dress design. (CO2, K5)

Or

- (b) Illustrate the various means of achieving Emphasis in dress design. (CO2, K2)

18. (a) Compare value and intensity of a colour. (CO3, K5)

Or

- (b) Recall the various colour harmonies. (CO3, K4)

19. (a) Summarise the responsibilities of a fashion designer. (CO4, K2)

Or

- (b) Describe the work of any three Indian fashion designers. (CO4, K4)

20. (a) Discuss about shopping and maintaining your wardrobe. (CO5, K6)

Or

- (b) Outline about any two fashion centers of the world. (CO5, K2)

**R1281**

**Sub. Code**

**304NM1**

**M.Voc. DEGREE EXAMINATION, APRIL – 2024**

**Software Development**

**NME — WEB DESIGNING**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. Which of the following networks extends a private network across public networks? (CO1, K2)
  - (a) virtual private network
  - (b) local area network
  - (c) storage area network
  - (d) enterprise private network
  
2. What is the number of layers in the OSI model? (CO1, K1)
  - (a) 2 layers                      (b) 4 layers
  - (c) 7 layers                      (d) 9 layers
  
3. What is the full form of URL? (CO2, K3)
  - (a) Uniform Resource Locator
  - (b) Universal Resource Locator
  - (c) Universal Resource Line
  - (d) Uniform Resource Line

4. DNS database contains \_\_\_\_\_ (CO2, K3)
- (a) name server records
  - (b) hostname-to-address records
  - (c) hostname aliases
  - (d) all of the above
5. How to create a hyperlink in HTML? (CO3, K4)
- (a) `<a href = "www.javatpoint.com"> javaTpoint.com</a>`
  - (b) `<a url = "www.javatpoint.com" javaTpoint.com /a>`
  - (c) `<a link = "www.javatpoint.com"> javaTpoint.com <a/a>`
  - (d) `<a> www.javatpoint.com<javaTpoint.com/a>`
6. Which of the following is the correct syntax for using the HTML style attribute? (CO3, K4)
- (a) `<tagname style = "property : value;">`
  - (b) `<tagname style = "property;">`
  - (c) `<tagname style>`
  - (d) none of the above
7. What will be the output of the following code snippet? (CO4, K4)
- ```
<script type = "text/javascript">
a = 5 + "9" ;
document.write (a);
</script>
```
- (a) compilation error (b) 14
  - (c) runtime error (d) 59
8. The video and the audio belong to the \_\_\_\_\_ (CO4, K4)
- (a) Timers and error handlers
  - (b) API-Specific events
  - (c) State change events
  - (d) User interface events



9. Which of the following class in Bootstrap is used to create a dropdown menu? (CO5, K6)  
(a) .dropdown (b) .select  
(c) .select-list (d) none of the above
10. Which of the following class in Bootstrap is used to provide a responsive fixed width container? (CO5, K6)  
(a) .container-fixed (b) container-fluid  
(c) container (d) all of the above

**Part B** (5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Illustrate nested protocol headers and layers with neat sketch. (CO1, K2)  
Or  
(b) Discuss about resource sharing to communication. (CO1, K2)
12. (a) Write about three key standards of web protocols. (CO2, K3)  
Or  
(b) Give a brief note on DNS. (CO2, K3)
13. (a) Discuss about basic text markup language in detail. (CO3, K4)  
Or  
(b) How to specify the list in HTML document? (CO3, K4)
14. (a) Write the properties of object orientation in Javascript. (CO4, K4)  
Or  
(b) How to attach events into the body of HTML documents? Explain. (CO4, K4)
15. (a) Write short notes on Mobile-first design in Bootstrap. (CO5, K6)  
Or  
(b) Discuss about implementation of bootstrap Base CSS in detail. (CO5, K6)

**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) How to convert text to multimedia through Internet? Explain. (CO1, K2)  
Or  
(b) Write the procedure to add and remove header in layered protocol stack. (CO1, K2)
17. (a) How to transfer the web documents with HTTP? Explain with example. (CO2, K3)  
Or  
(b) Explain about electronic mail with algorithm. (CO2, K3)
18. (a) Write a program to create login form in web page. (CO3, K4)  
Or  
(b) What is the role of Div tag in HTML? Explain with example. (CO3, K4)
19. (a) Explain about multiple objects in Javascript with suitable program. (CO4, K5)  
Or  
(b) Describe about the elements of password and textbox in Event handling. (CO4, K5)
20. (a) Describe about deep customization of bootstrap in detail. (CO5, K4)  
Or  
(b) Write the steps to the use of variables and mixins in bootstrap grid. (CO5, K4)
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**R1282**

**Sub. Code**

**311NM1**

**B.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Catering Science and Hotel Management**

**NME — ADVANCED CATERING SERVICES**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. 'The Golden Chariot' is the name of \_\_\_\_\_.  
(CO1, K2)
  - (a) Luxury Tourist Train
  - (b) Special bus running between Bangalore and Hampi
  - (c) New scheme introduced by Government of Karnataka
  - (d) Mobile Library
  
2. \_\_\_\_\_ the pioneers in the field of In-flight catering in India.  
(CO1, K2)
  - (a) Air Chef
  - (b) Ambassador Sky Chef
  - (c) Taj Flight Kitchen
  - (d) Oberoi Flight Service

3. Hotels established on luxury liners or ship is called as \_\_\_\_\_ . (CO2, K2)
- (a) Airport hotel
  - (b) Motel
  - (c) Suburban hotel
  - (d) Floating hotel
4. What is the purpose of the central galley on a cruise ship? (CO2, K3)
- (a) Entertainment
  - (b) Loading and unloading passengers
  - (c) Specialty dining
  - (d) Serving major restaurants aboard the ship
5. The \_\_\_\_\_ department is responsible for ensuring quality food service to patients according to their needs and as prescribed by doctors. (CO3, K2)
- (a) Food                      (b) Kitchen
  - (c) Dietary                      (d) Galley
6. Sanitization is mostly used in \_\_\_\_\_. (CO3, K2)
- (a) Hospitals
  - (b) Research laboratories
  - (c) Food processing and catering units
  - (d) All the above

7. The study of the profitability and popularity of menu items. The goal is simple to increase profitability is called \_\_\_\_\_ . (CO4, K3)
- (a) Food Costing
  - (b) Menu designing
  - (c) Menu Engineering
  - (d) Menu Planning
8. A menu that repeats itself according to a predetermined pattern is referred to as a \_\_\_\_\_. (CO4, K2)
- (a) day part menu      (b) cycle menu
  - (c) down-time menu    (d) daily menu
9. \_\_\_\_\_ is also known as off-premises catering. (CO5, K2)
- (a) Ship catering
  - (b) Hospital catering
  - (c) Industrial catering
  - (d) Out-door catering
10. Banquet means : (CO5, K2)
- (a) Welfare Catering
  - (b) Function Catering
  - (c) Transport Catering
  - (d) Institutional Catering

**Part B**

(5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) State the characteristics of Railway catering.  
(CO1, K3)

Or

- (b) Write the importance of flight kitchen and limitations of air catering. (CO1, K3)
12. (a) What do you mean by Cruise Lines catering? Enumerate the catering in passenger ships.  
(CO2, K3)

Or

- (b) Write down the service procedure for service of snacks and beverages. (CO2, K3)
13. (a) Write short note on hospital catering. (CO3, K3)

Or

- (b) Differentiate between hospital catering and industrial catering. (CO3, K4)
14. (a) Write the role of cyclic menu in institutional catering. (CO4, K3)

Or

- (b) Write short note on I.C.A.R. (CO4, K3)

15. (a) Define out-door catering. Trace the problems in outdoor catering. (CO5, K4)

Or

- (b) Examine the types of functions. (CO5, K3)

**Part C** (5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) “Menu Planning plays a major role in the food industry”. Discuss with reference to Airline and Railway catering. (CO1, K6)

Or

- (b) How transport (mobile) catering plays a vital role in our country? Explain the role of IRCTC. (CO1, K5)

17. (a) What are the factors that you should consider while compiling food and wine lists for Cruise Liner catering? Explain. (CO2, K4)

Or

- (b) Write short note on catering in luxury ship coaches. (CO2, K3)

18. (a) Discuss the factors involved in preparing menus for patients, hospital staff, and visitors. (CO3, K4)

Or

- (b) Explain different types of diets and the importance of diet kitchen. (CO3, K3)

19. (a) Explain the following : (CO4, K3)
- (i) Institutional Catering (4)
  - (ii) Industrial Catering (4)

Or

- (b) Write short notes on ICMR and CSIR. (CO4, K3)
20. (a) What are the advantages and disadvantages of off-premises catering? (CO5, K4)

Or

- (b) Write short notes on the miscellaneous forms of catering with examples. (CO5, K3)
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**R1283**

**Sub. Code**

**316NM1**

**B.A. DEGREE EXAMINATION, APRIL – 2024**

**Gender Studies**

**NME: WOMEN'S STUDIES FOR COMPETITIVE  
EXAMINATIONS**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. Which of the following legislations in India was specifically enacted to prevent dowry-related violence?  
(CO1,K2)
  - (a) The Indian Penal Code, 1860
  - (b) The dowry Prohibition Act, 1961
  - (c) The Indian Evidence Act, 1872
  - (d) The Hindu Marriage Act, 1955
  
2. In the context of women's education in India, which of the following statements is true?  
(CO2,K3)
  - (a) The literacy rate of women in India is higher than that of men.
  - (b) The Sarva Shiksha Abhiyan was launched to promote secondary education among girls.
  - (c) The National Policy on Education, 1986 emphasized the need for 'education for women's equality'.
  - (d) The Right to Education Act, 2009 made education compulsory for all girls up to the age of 18

3. Who was the first woman Chief Minister of Tamil Nadu?  
(CO2,K2)
- (a) Jayalalithaa Jayaram
  - (b) Mamata Banerjee
  - (c) Vasundhara Raje
  - (d) Janaki Ramachandran
4. Which of the following statements is true about Aruna Roy, a prominent social activist in India? (CO2, K2)
- (a) She is a recipient of the Ramon Magsaysay Award for Community Leadership.
  - (b) She served as the Chief Minister of Tamil Nadu.
  - (c) She is a renowned classical dancer.
  - (d) She won a gold medal in the Asian Games
5. What is Savitribai Phule most known for in the history of India? (CO3,K2)
- (a) She was the first woman Chief Minister of Maharashtra.
  - (b) She was the first female teacher in India and a pioneer in the fight for women's rights.
  - (c) She was the first woman to win a Nobel Prize from India.
  - (d) She was the first woman to climb Mount Everest

6. What is Maniammai most known for in the history of Tamil Nadu? (CO3,K2)
- (a) She was the first woman Chief Minister of Tamil Nadu.
  - (b) She was a social activist and succeeded E. V. Ramasamy as the president of the Dravidar Kazhagam.
  - (c) She was the first woman to win a Nobel Prize from India.
  - (d) She was the first woman to climb Mount Everest from Tamil Nadu.
7. Which article of the Indian Constitution prohibits discrimination on the grounds of sex? (CO4,K2)
- (a) Article 14
  - (b) Article 15
  - (c) Article 16
  - (d) Article 17
8. The Protection of Women from Domestic Violence Act was enacted in which year? (CO4,K3)
- (a) 2000
  - (b) 2005
  - (c) 2010
  - (d) 2015
9. Which of the following is a national level programme in India aimed at empowering women? (CO5,K2)
- (a) Mahila Shakti Kendra
  - (b) Pradhan Mantri Awas Yojana
  - (c) Mid-Day Meal Scheme
  - (d) Pradhan Mantri Jan Dhan Yojana

10. The Tamil Nadu government launched the 'Amma Baby Care Kit' scheme primarily to: (CO2,K3)
- (a) Improve the nutritional status of children
  - (b) Promote institutional deliveries
  - (c) Promote female education
  - (d) Promote agricultural practices

**Part B** (5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Discuss the current status of women in India. (CO1,K3)

Or

- (b) Analyze the factors affecting the status of women in India. (CO1, K4)

12. (a) Write a short note on the achievements of women at the national level in India. (CO2,K3)

Or

- (b) Discuss the contributions of any two women achievers from Tamil Nadu. (CO2,K3)

13. (a) Discuss the role of women reformers in India. (CO3,K3)

Or

- (b) Write about the impact of women reformers in Tamil Nadu. (CO3,K3)

14. (a) Discuss the constitutional provisions for women in India. (CO4,K3)

Or

- (b) Analyze the impact of legal rights on the status of women in India. (CO4,K4)

15. (a) Discuss the national policies for women in India. (CO5,K3)

Or

- (b) Write a short note on the programmes for women at the state level in Tamil Nadu. (CO5,K3)

**Part C** (5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Analyze the changes in the status of women in India over the past decade. (CO1, K4)

Or

- (b) Discuss the role of education in improving the status of women in India. (CO1,K3)

17. (a) Discuss the achievements of any two women sportspersons at the national level in India in detail. (CO2,K3)

Or

- (b) Analyze the impact of women achievers on society in Tamil Nadu. (CO2,K4)

18. (a) Write in detail about the role and impact of women reformers in India. (CO3,K3)

Or

(b) Discuss the challenges faced by women reformers in Tamil Nadu. (CO3,K3)

19. (a) Discuss in detail the constitutional provisions and legal rights for women in India. (CO4,K3)

Or

(b) Detail the role of women in the anti-liquor campaign in Tamil Nadu. (CO3,K4)

20. (a) Discuss the impact of national policies for women in India. (CO5,K3)

Or

(b) Analyze the effectiveness of programmes for women at the state level in Tamil Nadu. (CO5, K4)

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**R1284**

**Sub. Code**

**317NM1**

**B.Com. DEGREE EXAMINATION, APRIL – 2024**

**(Apprenticeship Embedded)**

**NME – BUSINESS ORGANIZATION AND  
MANAGEMENT**

**(CBCS – 2021 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What do you mean by limited liability partnership?
2. Point out any five acts framed by government for business.
3. Who is a promoter?
4. What is prospectus?
5. What is the role of a manager?
6. What do you mean by scientific management?
7. What is span of control?
8. What is line and staff management?
9. Define the term co- ordination.
10. What is the need of controlling?

**Part B**

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b)

11. (a) Discuss the advantages of co operative organization.

Or

- (b) Explain the characteristics of Joint Hindu Family.

12. (a) Describe the contents in Articles of Association.

Or

- (b) Explain the clauses in Memorandum of Association.

13. (a) State the significance of Management.

Or

- (b) Explain the levels of Management.

14. (a) Point out the objectives of planning.

Or

- (b) Differentiate formal and informal organization.

15. (a) Explain the steps involved in control process.

Or

- (b) Bring out the importance of co-ordination in a business organization.



**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Explain the major forms of business organization.
  17. Discuss the merits and demerits of Joint Stock Company.
  18. Enumerate Fayol's principles of management
  19. Explain the factors that decide the span of management.
  20. Discuss the various methods used by the management to control deviations in organization.
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R1285

Sub. Code

411NM1

M.A. DEGREE EXAMINATION, APRIL 2024

தமிழ்

NME: நாட்டுப்புறவியல் (FOLKLORE)

(CBCS – 2022 onwards)

Time : 3 Hours

Maximum : 75 Marks

பகுதி அ

(10 × 1 = 10)

அனைத்து வினாக்களுக்கும் விடை தருக.

1. பொதுமக்கள் இலக்கியம் என்றழைக்கப்படுவது (CO1, K1)  
(அ) நீதி இலக்கியம் (ஆ) காப்பிய இலக்கியம்  
(இ) அற இலக்கியம் (ஈ) நாட்டுப்புறவியல்
2. வாய்மொழியாகப் பரப்பப்படுவது (CO1, K1)  
(அ) நாவல் (ஆ) கட்டுரை  
(இ) கவிதை (ஈ) பழமொழி
3. திருநெல்வேலி மாவட்டத்தில் பாடப்படும் கதைப்பாடல் (CO2, K1)  
(அ) முத்துப்பட்டன் கதைப்பாடல்  
(ஆ) குறவஞ்சி கதைப்பாடல்  
(இ) குற்றாலநாதர் கதைப்பாடல்  
(ஈ) மணிமேகலை கதைப்பாடல்
4. குழந்தைப் பருவத்தில் பாடப் பெறுவது (CO2, K1)  
(அ) அம்மாளை (ஆ) சிறுகதை  
(இ) ஊசல் (ஈ) தாலாட்டு

5. தரவுகளை அடிப்படையாகக் கொண்டு நடத்தப்படும் நிகழ்த்துக்கலைகள் (CO3, K4)  
 (அ) பழமொழி (ஆ) விடுகதை  
 (இ) ஓவியம் (ஈ) ஆட்டங்கள்
6. வழிபாட்டுச் சடங்கு முறையில் மேற்கொள்ளப்படும் ஆட்டம் (CO3, K4)  
 (அ) பால்குடம் (ஆ) காவடியாட்டம்  
 (இ) அலகுக்குத்துதல் (ஈ) தேர் இழுத்தல்
7. எமனை ஏமாற்றுவதற்காகக் குழந்தைக்குச் செய்யப்படும் சடங்கு (CO4, K4)  
 (அ) அரைஞாண் கயிறு கட்டுதல்  
 (ஆ) தாயத்துக் கட்டுதல்  
 (இ) காப்பு அணிவித்தல்  
 (ஈ) காதுக்குத்துதல்
8. தாய்மை அடைந்த பெண்ணிற்கு நடத்தப்படும் சடங்கு (CO4, K4)  
 (அ) பூ வைத்தல்  
 (ஆ) அணிகலன்கள் அணிவித்தல்  
 (இ) ஊர்வலமாக அழைத்துச் செல்லுதல்  
 (ஈ) வளைகாப்பு நடத்துதல்
9. நாட்டுப்புற மக்களின் முக்கியத் தொழில் (CO5, K1)  
 (அ) வாகனங்களை இயக்குதல்  
 (ஆ) வேளாண்மை  
 (இ) கதைப்பாடல்பாடுவது  
 (ஈ) இசைத்தொழில்
10. மண்பாண்டங்கள் செய்யும் தொழில்முறை (CO5, K1)  
 (அ) நவீனத் தொழில் முறை  
 (ஆ) மேனாட்டார் தொழில் முறை  
 (இ) தற்காலத் தொழில் முறை  
 (ஈ) நாட்டுப்புற மக்களின் தொழில் முறை

அனைத்து வினாக்களுக்கும் 500 சொற்களுக்கு மிகாமல் விடை தருக.

11. (அ) நாட்டுப்புறவியலில் இடம்பெறும் மானுடவியல் கருத்துக்களை எழுதுக. (CO1, K1)

(அல்லது)

- (ஆ) நாட்டுப்புறவியலில் வெளிப்படும் சமூக சிந்தனைகளைப் புலப்படுத்துக. (CO1, K1)

12. (அ) தாலாட்டுப் பாடல்கள் குறித்து எழுதுக. (CO2, K1)

(அல்லது)

- (ஆ) விளையாட்டுப் பாடல்கள் பற்றி உரைக்க. (CO2, K1)

13. (அ) பொய்க்கால் குதிரையாட்டம் பற்றி எழுதுக. (CO3, K4)

(அல்லது)

- (ஆ) 'தப்பாட்டம்' குறித்த கருத்துக்களை விளக்குக. (CO3, K4)

14. (அ) கனவு பற்றிய நம்பிக்கைகளை இயம்புக. (CO4, K4)

(அல்லது)

- (ஆ) சகுனம் குறித்த நம்பிக்கைகளை உரைக்க. (CO4, K4)

15. (அ) நாட்டுப்புறவியல் காட்டும் மக்களின் தொழில்முறைகளை எடுத்தியம்புக. (CO5, K1)

(அல்லது)

- (ஆ) நாட்டுப்புற மக்களின் உணவு முறையினை எடுத்துரைக்க. (CO5, K1)

அனைத்து வினாக்களுக்கும் 1000 சொற்களுக்கு மிகாமல் விடை தருக.

16. (அ) நாட்டுப்புறவியல் குறித்த வரையறைகளையும் அறிஞர்கள் கருத்துக்களையும் விளம்புக. (CO1, K1)

(அல்லது)

- (ஆ) நாட்டுப்புறவியலின் தோற்றமும், வளர்ச்சியும் குறித்து உரைக்க. (CO1, K1)

17. (அ) விடுகதைகள் – பற்றிய கருத்துக்களைத் தொகுத்துரைக்க. (CO2, K1)

(அல்லது)

- (ஆ) பழமொழிகளில் இடம்பெறும் கருத்துக்களை வகைப்படுத்துக. (CO2, K1)

18. (அ) கரகாட்டத்தின் சிறப்பினை எடுத்துரைக்க. (CO3, K4)

(அல்லது)

- (ஆ) ஆட்டங்களுக்குப் பயன்படும் பொருட்களைத் தயாரிக்கும் கலைஞர்கள் குறித்து எடுத்துரைக்க. (CO3, K4)

19. (அ) திருமணச் சடங்கு முறையினை விளக்கியுரைக்க. (CO4, K4)

(அல்லது)

- (ஆ) இறப்புச் சடங்கு முறையினை எடுத்துரைக்க. (CO4, K4)

20. (அ) நாட்டுப்புற மக்களின் மருத்துவ முறைகளை விவரிக்க. (CO5, K1)

(அல்லது)

- (ஆ) கால்நடை மருத்துவம் குறித்த கருத்துக்களை உரைக்க. (CO5, K1)

**R1286**

**Sub. Code**

**414NM1**

**M.A. DEGREE EXAMINATION, APRIL – 2024**

**Theatre and Film Studies**

**NME : STREET THEATRE**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. Arena theatre means (CO1, K2)  
(a) Closed (b) Square  
(c) Round (d) Rectangle
2. Theatre stage refers to (CO1, K2)  
(a) Closed (b) Open stage  
(c) Round (d) Intimate stage
3. Boris Vian wrote \_\_\_\_\_ (CO2, K2)  
(a) Parody rock songs  
(b) Jazz  
(c) Scripts  
(d) Stories
4. Jana Natya Manch was founded by (CO2, K2)  
(a) Badal Sarkar  
(b) Safdar Hashmi  
(c) Vijay Tendulkar  
(d) Darmender

5. Improvisation is usually \_\_\_\_\_ (CO3, K4)  
(a) Planned (b) Will - Planned  
(c) Unplanned (d) Rehearsal
6. Street plays are also called (CO3, K4)  
(a) Nukkad Natak (b) Nartha Natak  
(c) Pratham Natak (d) Nrit Natak
7. One of the new technology in street theatre is \_\_\_\_\_ (CO4, K2)  
(a) Sound system (b) 3D painting  
(c) Placards (d) Tableau
8. Bim Mason wrote book on (CO4, K2)  
(a) Street theatre (b) Absurd theatre  
(c) Amphi theatre (d) Noh theatre
9. In Tamil Nadu, street play is called (CO5, K6)  
(a) Mayil Kuthu (b) Aaatam  
(c) Terrukuthu (d) Sangeetham
10. In Punjab street plays are called (CO5, K6)  
(a) RaHS (b) Nautanki  
(c) Bhas (d) Beedi Nataka

**Part B** (5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Explain the historical concrete of street theatre. (CO1, K2)
- Or
- (b) Explain the concept of street theatre as a form of entertainment. (CO1, K2)

12. (a) Summarise the shape and size of a performing area in street theatre. (CO2, K2)

Or

- (b) Compare any one street theatre of North and south India. (CO2, K4)

13. (a) Explain the importance of improvisation in street theatre. (CO3, K4)

Or

- (b) Mention some women street theater performance. (CO3, K4)

14. (a) Elaborate on the role of public reaction in a performance. (CO4, K6)

Or

- (b) Examine the economics situation of a street performer. (CO4, K4)

15. (a) Discuss the concept of beyond theatre. (CO5, K6)

Or

- (b) Elaborate on the meeting place in street theatre. (CO5, K6)

**Part C** (5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Give an elaborate account on performing artists of street theatre. (CO1, K2)

Or

- (b) Explain the changing attitude towards street theatre. (CO1, K2)



17. (a) Elaborate on the costumes and props used in street theater. (CO2, K2)

Or

- (b) Compare small - scale groups and Large scale theatre with reference to site specific works. (CO2, K2)

18. (a) Illustrate on the practicalities of processions. (CO3, K2)

Or

- (b) Explain the blending and contrasting with the environment of street theatre. (CO3, K2)

19. (a) Categories the noted street theatre performers and their performance. (CO4, K4)

Or

- (b) What are the challenges faced in street theatre by maintainig contract with audiences in street theatre. (CO4, K4)

20. (a) Elaborate on the role of New technology in street theatre. (CO5, K6)

Or

- (b) Discuss on any one street theatre performance your have watched. (CO5, K6)

**R1287**

**Sub. Code**

**415NM1**

**M.A. DEGREE EXAMINATION, APRIL – 2024**

**History**

**NME : GENERAL STUDIES FOR COMPETITIVE  
EXAMINATION**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing  
the correct option.

1. Where is Rajagriha situated? (CO1, K4)  
(a) Rajasthan (b) Uttrapradesh  
(c) Bihar (d) Orissa
2. Who wrote Mudrarakshasa? (CO1, K4)  
(a) Patanjali (b) Vishakadatta  
(c) Megasthenes (d) Panini

3. The title “Laksh Baksh” was given to \_\_\_\_\_  
(CO2, K5)

- (a) Muhammad Ghori
- (b) Qutub-ud-din-Aibak
- (c) Aram Shah
- (d) Iltumish

4. The ‘Battle of Khanwa’ took place during the period of \_\_\_\_\_  
(CO2, K5)

- (a) Ibrahim Lodi      (b) Humayun
- (c) Babur              (d) Balban

5. From which of the following treaty the Third Carnatic War ended.  
(CO3, K2)

- (a) Treaty of Paris
- (b) Treaty of Mangalore
- (c) Treaty of Wandiwash
- (d) Treaty of Madras

6. Who founded the “Tatvabodhini Sabha” in 1839?  
(CO3, K2)

- (a) Rabindranath Tagore
- (b) Debendranath Tagore
- (c) Sawamy Dayananda Saraswathi
- (d) Ram Mohan Roy

7. ‘Ghadar party’ was established in \_\_\_\_\_. (CO4, K5)

- (a) 1903                      (b) 1913
- (c) 1923                      (d) 1933

8. The All India Congress Committee met to pass ‘Quit India Resolution’ on 8<sup>th</sup> August 1942 at \_\_\_\_\_.  
(CO4, K5)

- (a) Bombay                      (b) Lucknow
- (c) Calcutta                      (d) Madras

9. Which of the following states refused to join Independent India?  
(CO5, K2)

- (a) Junagarh                      (b) Lucknow
- (c) Surat                      (d) Kanpur

10. The Directive principles of state policy have been enshrined in —————. (CO5, K2)
- (a) Part II                      (b) Part IV
- (c) Part VII                      (d) Part X

**Part B** (5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) What was the social structure of Harappan people? (CO1, K4)

Or

- (b) Write a short note on Economic conditions of Rig Vedic period? (CO1, K4)

12. (a) Discuss Ala-un-din-Khalji's Administrative Reforms. (CO2, K5)

Or

- (b) What were the specific features of Akbar's Land Revenue System? (CO2, K5)

13. (a) Asses the reforms of warren Hastings. (CO3, K2)

Or

- (b) Examine the causes responsible for the outbreak of the Revolt of 1857. (CO3, K2)

14. (a) Give an account of the objects and Principles of the Theosophical society of India. (CO4, K5)

Or

- (b) Write a note on the Non-Co-operation movements. (CO4, K5)

15. (a) Discuss the salient features of state legislature. (CO5, K2)

Or

- (b) What is the importance of office of Comptroller and Auditor General (CAG)? (CO5, K2)

**Part C** (5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) What are the sources for the study of Indian history? (CO1, K4)

Or

- (b) Explain the Socio-Economic conditions of the Mauryan Era. (CO1, K4)

17. (a) Asses the development of Art and Architecture during the Delhi Sultanate. (CO2, K5)

Or

- (b) Evaluate the political significance of the Vijayanagar Empire. (CO2, K5)

18. (a) What were the main features of Permanent Land Revenue Settlement of Bengal? (CO3, K2)

Or

(b) Explain social reform movements of the Nineteenth Century. (CO3, K2)

19. (a) Discuss the social background of Indian National Congress. (CO4, K5)

Or

(b) Explain the course and results of Three Round Table conferences. (CO4, K5)

20. (a) Give an outline of Indian constitution. (CO5, K2)

Or

(b) Discuss the powers of Union Legislature. (CO5, K2)

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**R1288**

**Sub. Code**

**452NM1**

**M.S.W. DEGREE EXAMINATION, APRIL – 2024**

**Social Work**

**NME : SOCIAL ENTREPRENEURSHIP**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following questions by choosing the correct option.

1. Who is considered the father of entrepreneurship?  
(CO1, K2)
  - (a) Joseph Schumpeter
  - (b) Paul Reynolds
  - (c) Bill Gate
  - (d) Elon musk
  
2. Brugman is a pioneer of \_\_\_\_\_ entrepreneurship.  
(CO1, K2)
  - (a) Private                      (b) Corporate
  - (c) Agricultural                (d) Technical
  
3. Small scale entrepreneurs have an annual turnover in the range of  
(CO2, K1)
  - (a) Up to Rs. 5 crore
  - (b) Rs. 5 Crore- 75 Crore
  - (c) Rs. 75 Crore-250 Crore
  - (d) None of the above



4. Microsoft by Bill Gates is an example of which type of entrepreneurship. (CO2, K1)  
(a) Innovative (b) Agricultural  
(c) Social (d) Joint
5. Where headquarters of NSIC is located? (CO3, K2)  
(a) New Delhi (b) Mumbai  
(c) Chennai (d) Trichy
6. Joint effort and ownership of a private entrepreneur and Government are involved in the (CO3, K2)  
(a) Social (b) Trading  
(c) Joint (d) Corporate
7. GOI launched which scheme to develop women entrepreneurs (CO4, K2)  
(a) Women empowerment agency  
(b) Women entrepreneurship plat form  
(c) Naari Sakthi  
(d) Women Knowledge centre
8. In which of the following types of profit is the secondary objective? (CO4, K2)  
(a) Private (b) Social  
(c) Joint (d) Corporate
9. SIDBI established in which year (CO5, K2)  
(a) 1991 (b) 1992  
(c) 1993 (d) 1990
10. The minimum financial interest that a woman has to have in woman entrepreneurship is (CO5, K2)  
(a) 51 percent (b) 49 percent  
(c) 50 percent (d) 60 percent

**Part B**

(5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Explain the characteristics of social entrepreneurship. (CO1, K3)

Or

- (b) Enumerate the determinants for entrepreneurial success. (CO1, K3)

12. (a) How to do environmental assessment to develop entrepreneur programmes. (CO2, K3)

Or

- (b) Identify various support systems to enhance entrepreneur development. (CO2, K3)

13. (a) Narrate the family issues involved when women engaging in business. (CO3, K4)

Or

- (b) Portray the various initiatives for women social entrepreneurship. (CO3, K4)

14. (a) Depict the importance of financial management in setting up small business. (CO4, K5)

Or

- (b) How to improve marketing for small business enterprises. (CO4, K5)

15. (a) Account for the achievements of National research Development Corporation. (CO5, K4)

Or

- (b) Consolidate the programmes of State Trading Corporation of India. (CO5, K4)

**Part C**

(5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Discuss the significance of social entrepreneurs in national economy. (CO1, K4)

Or

- (b) Critically analyze the historical development of social entrepreneurship in India. (CO1, K4)

17. (a) Elucidate the factors affecting entrepreneurial growth in India. (CO2, K4)

Or

- (b) Sketch the role of NGO's in entrepreneurial development. (CO2, K4)

18. (a) How self help groups can motivate women for business? (CO3, K5)

Or

- (b) Write an essay on rural women entrepreneurship. (CO3, K5)

19. (a) Signify the role of accounting and book keeping in small business enterprises. (CO4, K4)

Or

- (b) How to improve the customer relationship for small business? (CO4, K4)

20. (a) Critically analyze the programmes of SIDBI. (CO5, K3)

Or

- (b) Enumerate the various functions of District industries corporation (DIC). (CO5, K3)

**R1289**

**Sub. Code**

**455NM1**

**M.A. DEGREE EXAMINATION, APRIL – 2024**

**Economics**

**NME : ECONOMICS FOR COMPETITIVE  
EXAMINATIONS**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. Identify the organisation is responsible for calculating GDP in India. (CO1, K1)
  - (a) Indian Statistical Institute
  - (b) Reserve Bank of India
  - (c) National Statistical Office
  - (d) Ministry of Commerce and Industry
  
2. Which age group is included to calculate child sex ratio? (CO1, K2)
  - (a) 1-6 years                      (b) 0-5 years
  - (c) 0-6 years                      (d) 0-6 months
  
3. Planning commission was scrapped on (CO2, K2)
  - (a) 2013                              (b) 2014
  - (c) 2015                              (d) 2016

4. The goal of liberalisation is —————. (CO2, K2)
- (a) Socialism
  - (b) Financial planning
  - (c) Reforms in the economy
  - (d) Land reforms
5. ————— produces the largest quantity of pulses in India. (CO2, K2)
- (a) Madhya Pradesh (b) Maharashtra
  - (c) Rajasthan (d) Uttar Pradesh
6. Multi fibre agreement is related to —————. (CO3, K4)
- (a) Agriculture (b) Chemicals
  - (c) Plastics (d) Textiles
7. Banking Regulation Act was passed on (CO2, K2)
- (a) 1949 (b) 1959
  - (c) 1969 (d) 1970
8. The rate of GST on most of the goods and services in India is —————. (CO4, K2)
- (a) 5% (b) 12%
  - (c) 18% (d) 28%
9. ————— refers to the tax imposed in imports. (CO5, K3)
- (a) Import tax (b) Tariff
  - (c) Subsidies (d) Quotas
10. SAARC brings together ————— countries of South Asia for regional co-operation. (CO4, K4)
- (a) 9 (b) 8
  - (c) 7 (d) 14

**Part B**

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) “Population is a retarding factor” – Justify it.  
(CO1, K4)

Or

- (b) Write a note on trend and growth of national income in India.  
(CO1, K2)

12. (a) Narrate the objectives of five year plans of India.  
(CO2, K2)

Or

- (b) Explain the concept of globalisation. (CO2, K2)

13. (a) Investigate the challenges faced by Indian agricultural sector.  
(CO3, K4)

Or

- (b) Write a short note on Industrial Policy 1991.  
(CO4, K2)

14. (a) State the functions of RBI. (CO2, K2)

Or

- (b) Describe the importance of co-operative Banks in India.  
(CO2, K2)

15. (a) Distinguish between balance of trade and balance of payments.  
(CO4, K3)

Or

- (b) Explain the role of MNCs in India. (CO5, K4)

**Part C**

(5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Narrate the methods of measuring national income and its limitations. (CO1, K4)

Or

- (b) How far demographic changes influence the economic development? (CO1, K2)

17. (a) Write a history of planning in India. (CO2, K2)

Or

- (b) Assess the impact of new economic policy on India's national income. (CO2, K2)

18. (a) Explore the inter-state disparity on agricultural sector in India. (CO3, K4)

Or

- (b) What are the problems faced by Indian Industrial Sector? (CO4, K2)

19. (a) Explain India's fiscal policy. (CO2, K2)

Or

- (b) Define GST and explain its impact on GDP. (CO2, K2)

20. (a) Analyse India's exchange rate policy. (CO4, K3)

Or

- (b) What is major principles of BRICS and its purposes? (CO5, K4)

**R1290**

**Sub. Code**

**458NM1**

**M.A. DEGREE EXAMINATION, APRIL – 2024**

**Gender Studies**

**NME: WOMEN'S STUDIES FOR COMPETITIVE  
EXAMINATION**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. Mark out the factor contributing to high maternal mortality rate. (CO1, K2)
  - (a) Antenatal care
  - (b) Education
  - (c) Increase in the number of working women
  - (d) Early marriage
2. Gender disaggregated data are the basis for. (CO5, K1)
  - (a) Analysis of women's work
  - (b) Gender sensitive policy formulations and programme planning
  - (c) Gender mainstreaming
  - (d) Gender sensitization
3. Gender and Development (GAD) aim to. (CO5, K1)
  - (a) Address the needs of a specific gender
  - (b) Promote gender equality and social justice
  - (c) Segregate roles based on gender
  - (d) Excluding men from the developmental process



4. The first Research Centre for women in India was established by: (CO1, K2)
- (a) SNDT Women's University
  - (b) ICSSR
  - (c) Centre for Women's Development Studies
  - (d) UGC
5. Parivarik Mahila Lok Adalats Programme was launched in 1996 by. (CO4, K4)
- (a) The Commission for SC/ST
  - (b) The Human Rights Commission
  - (c) The National Commission for Women
  - (d) The National Law Commission
6. Who was the first president of 'Indian Women's Association' formed in the year 1917? (CO3, K6)
- (a) Madam Blavatsky (b) Annie Besant
  - (c) Sarojni Naidu (d) Aruna Asif Ali
7. EAG state in the context of health related gender analysis in India stands for. (CO4, K4)
- (a) State that have Economies and Gender Equity
  - (b) State that comes under the study of the Empowered Action Group
  - (c) State that are associated with EuroAsian Groups
  - (d) State that have been empowered and grouped
8. Name the health programme that aims at improving the health status of women and children. (CO1, K2)
- (a) ICDS (b) IRDP
  - (c) RCH (d) ORS
9. The Convention on the elimination of all forms of discrimination against women (CEDAW) was adopted in \_\_\_\_\_ by the UN General Assembly. (CO5, K1)
- (a) 1979 (b) 1980
  - (c) 1986 (d) 1990

10. Which of the following is/are associated with the cause of women's social reform movements in India? (CO3, K6)
- (i) All India women's conference
  - (ii) Arya Samaj
  - (iii) Pandita Ramabhai
- (a) (i) and (ii) only    (b) (i) only  
(c) (i) and (iii) only    (d) (i), (ii) and (iii)

**Part B** (5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Explain the provisions relating to women in Indian penal code. (CO4, K4)
- Or
- (b) What is gender budgeting? How is it associated with empowerment of women in India? (CO5, K1)
12. (a) Define the concept of gender wage gap and glass ceiling. (CO1, K2)
- Or
- (b) Briefly mention the contribution of Mary Wollstonecraft. (CO3, K6)
13. (a) Highlight the significance of political empowerment of women. (CO1, K2)
- Or
- (b) What are the chief components of GEM? (CO5, K1)
14. (a) Write short note on uniform civil code. (CO4, K4)
- Or
- (b) In what ways Community Based Organisation activate women's political agency? (CO1, K2)
15. (a) Discuss the impact of women's participation in panchayat. (CO4, K4)
- Or
- (b) Discuss the differences between the sexes in terms of health seeking behaviour. (CO1, K2)

**Part C**

(5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Do you agree to the positive discrimination favouring women, enabling them to grow in every sections? (CO4, K4)

Or

- (b) Discuss the concepts of rights and citizenship from a gender perspective. (CO1, K2)

17. (a) Analyze the impact of globalization on women's health and education in India. (CO1, K2)

Or

- (b) Critically review national plans and policies for gender equality in India. (CO5, K1)

18. (a) Discuss the legislative reforms taken up by the women s movement in India. (CO4, K4)

Or

- (b) What is the contribution of Beijing platform for Action (BFPA) towards women empowerment? (CO4, K4)

19. (a) Explain the criticism of reproductive and child health policy. (CO1, K2)

Or

- (b) Name some female scientist and discuss how they have expanded visions of gender equality. (CO2, K2)

20. (a) Name five women who are head of states and discuss their contributions and impact on society. (CO2, K2)

Or

- (b) Name some International agencies for Women's development and discuss their impact on women's empowerment. (CO4, K4)

**R1291**

**Sub. Code**

**464NM1**

**M.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Applied Geology**

**NME – DISASTER MANAGEMENT AND MITIGATION**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. Who shall be the first responders in a disaster management situation? (CO1, K1)
  - (a) Central Government
  - (b) Community
  - (c) Local Government
  - (d) State Government
2. Which of the following disasters is the result of an earthquake? (CO1, K2)
  - (a) Tsunami
  - (b) Intense ground shaking
  - (c) A landslide
  - (d) All of the above
3. Mass-killing diseases can be referred to as (CO1, K1)
  - (a) Biological disaster
  - (b) Industrial disaster
  - (c) War disaster
  - (d) Flood disaster
4. The major man-made causes of floods are (CO2, K1)
  - (a) Deforestation
  - (b) Siltation
  - (c) Bursting of the dam
  - (d) All of the above

5. Below-average rainfall for a prolonged period of time is called (CO1, K1)
- (a) Famine (b) Drought  
(c) Flood (d) None of these
6. Which of the following can reduce the risk of flooding? (CO2, K1)
- (a) Zoning and building regulations for new developments  
(b) Dams, detention basins and levees  
(c) Flood awareness and education programs  
(d) All of the above
7. The Indian National Tsunami Warning System became operational in? (CO2, K2)
- (a) 2003 (b) 2007  
(c) 2009 (d) 2012
8. In which city is the National Institute of Disaster Management situated? (CO1, K2)
- (a) Kolkata (b) New Delhi  
(c) Hyderabad (d) Manipur
9. How much of India's coastline is vulnerable to disasters? (CO2, K1)
- (a) ~5340 km (b) ~5400 km  
(c) ~6200 km (d) ~5700 km
10. Who released the first disaster management plan in India? (CO2, K2)
- (a) H. D. Deve Gowda (b) Atal Bihar Vajpayee  
(c) Manmohan Singh (d) Narendra Modi

**Part B**

(5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Explain different phases of disaster management.  
(CO3, K3)

Or

- (b) Define the hazard. Describe the classification of hazard.  
(CO2, K3)

12. (a) Explain the effect of climate change on disasters.  
(CO2, K2)

Or

- (b) Write a short note on India's paradigm shift in disaster management.  
(CO3, K3)

13. (a) Explain the relief and rehabilitation approach for disaster management.  
(CO2, K3)

Or

- (b) Define drought. Explain briefly the various types of droughts in brief.  
(CO2, K2)

14. (a) Briefly explain how buildings can be made resistant to earthquakes.  
(CO2, K3)

Or

- (b) Explain the role of GIS in disaster management.  
(CO3, K3)

15. (a) Write a short note on coastal flooding. (CO2, K3)

Or

- (b) Write a short note on fluvial and pluvial flooding.  
(CO3, K3)

**Part C**

(5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) What is disaster management? Clearly state the importance of disaster management. (CO3, K3)

Or

- (b) Describe the primary objectives of India's disaster management system. (CO3, K3)

17. (a) Explain the types of natural and anthropogenic disasters. (CO2, K2)

Or

- (b) Explain how cyclone-induced floods affect low-lying areas. (CO3, K4)

18. (a) Describe the different types of floods and their causes. (CO2, K3)

Or

- (b) Describe the causes of cyclones and their effects. (CO3, K4)

19. (a) State the general characteristics of the earthquake. Add a note on the different causes of earthquakes. (CO3, K3)

Or

- (b) Discuss the role of state-level action plans in disaster management. (CO2, K4)

20. (a) Define vulnerability. Write a brief note about vulnerability, mitigation and preparedness. (CO3, K3)

Or

- (b) Describe how GPS is used in disaster management. (CO2, K3)

**R1292**

**Sub. Code**

**508NM1**

**M.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Biomedical Science**

**NME – HOSPITAL MANAGEMENT AND BIOSAFETY**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. The term hospital originated from the Latin word  
(CO1, K2)
  - (a) Hospit
  - (b) Hospi
  - (c) Hospes
  - (d) Ospital
  
2. Hospital administrator has to perform leadership role in  
(CO4, K2)
  - (a) Managing those activities going on in a hospital
  - (b) Understanding community activities and assessing needs of community
  - (c) Participating in community activities and assessing needs of community
  - (d) All of the above
  
3. Epidemiological triad does not include (CO2, K4)
  - (a) Host
  - (b) Environment
  - (c) Risk factors
  - (d) Agent



4. Supportive services of hospital includes all except (CO1, K2)
- (a) Pharmacy services
  - (b) Laboratory services
  - (c) House-keeping services
  - (d) Laundry services
5. As norm for planning purpose, the average number of patients expected to visit the OPD daily are (CO3, K4)
- (a) 2 for every authorized bed
  - (b) 5 for every authorized bed
  - (c) 10 for every authorized bed
  - (d) 10 for every 100 authorized bed
6. Which of the following is best suited for walls and ceiling of operation theatre? (CO3, K4)
- (a) Ceramic tiles      (b) Terrazo tiles
  - (c) Glaze tiles      (d) *In situ* mosaic finish
7. High Efficiency Particulate Absorbing filter provides an atmosphere which is (CO5, K5)
- (a) 70% particulate free
  - (b) 80% particulate free
  - (c) 90% particulate free
  - (d) 100% particulate free

8. Care provided by hospital on day care basis includes all except (CO4, K2)
- (a) Root canal treatment
  - (b) Cataract operation
  - (c) Sterilization
  - (d) Physiotherapy
9. A hospital has to check and understand the applicability of the standard clauses for the institution. In India, all the hospitals have been certified for (CO3, K4)
- (a) ISO 9000                      (b) ISO 9001
  - (c) ISO 9002                      (d) ISO 9003
10. Hospital space include (CO3, K4)
- (a) Inpatient care, Ambulatory care
  - (b) Diagnostic and treatment functions, Support services
  - (c) Public spaces and lobby
  - (d) All of the above

**Part B** (5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Explain about the level of prevention in disease. (CO2, K4)
- Or
- (b) Explain the design of a ward. (CO3, K4)

12. (a) Explain the different modes of communication in a hospital. (CO4, K2)

Or

- (b) Define hospital administration. Write in detail about the challenges in hospital administration. (CO4, K2)

13. (a) Explain about equipment planning in a hospital. (CO3, K4)

Or

- (b) Classify the types of hospital. Explain the services offered in outpatient department. (CO4, K2)

14. (a) What is biomedical waste? What are the various objectives of biomedical waste management? (CO5, K5)

Or

- (b) Write in detail about the classification of hospital waste. (CO5, K5)

15. (a) Define GMO. Explain in detail about environmental release of GMOs. (CO5, K5)

Or

- (b) Write a short note on bioethics and guidelines. (CO5, K5)

**Part C**

(5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Define Hospital Acquired Infection. Discuss various contributing factors responsible for HAI. How will you control HAI? (CO5, K5)

Or

- (b) What are the basic objectives of medical equipment maintenance? Discuss about different types of maintenance. (CO4, K2)

17. (a) Explain the purpose, roles, requirements, service and responsibilities of the food services and laundry services department in a hospital. (CO1, K2)

Or

- (b) List out the different departments of hospital and explain them in detail. (CO3, K4)

18. (a) Explain the infrastructure facilities recommended for blood bank. Discuss the screening tests done in a blood bank and their importance. (CO3, K4)

Or

- (b) Explain the process of recruitment and selection in hospitals and add a note on the various levels of training given to the technical staff in hospital. (CO4, K2)

19. (a) Explain the important functions of medical record department and draw the flowcharts of medical records from admission to discharge of the patient. (CO1, K2)

Or

- (b) What is hospital information system? Discuss the role of hospital informatics in hospital management. (CO1, K2)

20. (a) Define medical ethics. Briefly describe the rights of the patient as a consumer. (CO5, K5)

Or

- (b) Discuss in detail the different types of biosafety cabinets used for handling infectious waste. (CO5, K5)
-

**R1293**

**Sub. Code**

**509NM1**

**M.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Zoology**

**NME : BUSINESS SKILLS IN ZOOLOGY**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. Which breed of cattle is known for its high milk production? (CO1, K1)  
(a) Angus (b) Holstein  
(c) Hereford (d) Brahman
2. Which breed of sheep is known for its fine wool production? (CO1, K1)  
(a) Suffolk (b) Merino  
(c) Dorper (d) Katahdin
3. What is the term for a female dairy cow that has not yet given birth? (CO2, K1)  
(a) Heifer (b) Bull  
(c) Steer (d) Cow
4. What is the average incubation period for chicken eggs? (CO2, K2)  
(a) 14 days (b) 21 days  
(c) 28 days (d) 35 days

5. What is the protein fiber primarily responsible for silk's luxurious texture and strength? (CO3, K2)
- (a) Keratin                      (b) Collagen  
(c) Fibroin                      (d) Elastin
6. Which of the following is NOT a primary role of the queen bee in a honeybee colony? (CO3, K4)
- (a) Laying eggs  
(b) Foraging for food  
(c) Emitting pheromones to maintain colony cohesion  
(d) Selecting a new queen
7. Which of the following is a form of extensive freshwater aquaculture? (CO4, K4)
- (a) Recirculating aquaculture systems (RAS)  
(b) Integrated multi-trophic aquaculture (IMTA)  
(c) Polyculture  
(d) Biofloc technology
8. Which of the following is a classification of freshwater aquaculture based on the level of water exchange? (CO4, K4)
- (a) Polyculture  
(b) Extensive aquaculture  
(c) Integrated aquaculture  
(d) Recirculating aquaculture systems (RAS)
9. Integrated fish farming typically involves the combination of fish production with (CO5, K2)
- (a) Dairy farming              (b) Poultry farming  
(c) Hydroponics              (d) Beekeeping

10. In which integrated farming system do livestock graze among trees and shrubs, providing mutual benefits to both the animals and the vegetation? (CO5, K4)
- (a) Aquaculture            (b) Alley cropping  
(c) Silvopasture            (d) Vermicomposting

**Part B** (5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Explain the economic importance of cattle in the agriculture industry. Provide examples of cattle products and their significance in the market. (CO1, K2)

Or

- (b) Evaluate the economic viability of goat farming in a semi-arid region. (CO1, K5)

12. (a) Compare and contrast traditional and modern dairy farming practices. Highlight the technological advancements that have revolutionized modern dairy production. (CO2, K4)

Or

- (b) Compare and contrast free-range and confined poultry farming systems. (CO2, K2)

13. (a) Explain the life cycle of the silkworm. (CO3, K1)

Or

- (b) Explain the process of honey extraction from beehives. (CO3, K3)



14. (a) Explain the significance of water quality management in freshwater aquaculture. Discuss three parameters that are crucial for maintaining optimal water quality (CO4, K4)

Or

- (b) Compare and contrast the monoculture and polyculture practices in freshwater aquaculture. Provide examples of species suitable for each system (CO4, K2)
15. (a) Describe the role of livestock in an integrated farming system and its impact on soil fertility. (CO5, K3)

Or

- (b) Assess the socio-economic benefits of adopting integrated farming systems for farmers in India. (CO5, K5)

**Part C** (5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Compare and contrast the advantages and disadvantages of intensive and extensive sheep farming systems in terms of economic viability, environmental impact, and animal welfare. (CO1, K4)

Or

- (b) Discuss the role of dogs in various commercial sectors such as agriculture, security, and therapy. Assess the qualities required for dogs to excel in these roles and the importance of appropriate training and breeding (CO1, K5)

17. (a) Compare and contrast the battery cage system with alternative housing systems in terms of bird welfare, egg production efficiency, and economic viability. (CO2, K5)

Or

- (b) Examine the impact of dairy production on rural livelihoods In India. Evaluate the socioeconomic benefits and challenges associated with dairy farming. (CO2, K5)

18. (a) Discuss the role of earthworms in the process of vermicomposting (CO3, K4)

Or

- (b) Explain the role of bees in ecosystem services and the potential consequences of declining bee populations. (CO3, K4)

19. (a) Explain the key principles involved in the design and operation of a finfish hatchery. Discuss the factors influencing successful larval rearing and the strategies employed to mitigate challenges. (CO4, K4)

Or

- (b) Explain the concept of aquaponics and its significance in sustainable agriculture. Provide examples of fish and plant combinations commonly used in aquaponic systems Discuss the advantages and challenges associated with implementing aquaponics on both small and large scales. (CO4, K2)

20. (a) Assess the sustainability implications of adopting an agroforestry–animal husbandry integrated farming system compared to conventional monoculture practices. Discuss the environmental, economic, and social benefits and challenges of each approach. (CO5, K5)

Or

- (b) Compare and contrast silvopastoral and agroforestry systems in integrated animal farming. Describe the ecological benefits of each system and evaluate their potential drawbacks. (CO5, K5)
-

**R1294**

**Sub. Code**

**515NM1**

**M.A. DEGREE EXAMINATION, APRIL – 2024**

**Journalism and Mass Communication**

**NME : COMMUNICATION AND PRESENTATION  
SKILLS**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer the following objective questions by choosing the best answer.

1. Communication between one person to his own self is called as \_\_\_\_\_. (CO1, K1)
  - (a) Inter personal communication
  - (b) Mass communication
  - (c) Group communication
  - (d) Intra personal communication
2. Gesture is \_\_\_\_\_. (CO1, K2)
  - (a) Paralanguage
  - (b) Body Language
  - (c) Decoding
  - (d) Semiotics
3. One who originates the communication process is \_\_\_\_\_. (CO1, K2)
  - (a) Sender
  - (b) Message
  - (c) Channel
  - (d) Receiver
4. \_\_\_\_\_ is not a traditional medium. (CO2, K1)
  - (a) Cinema
  - (b) Painting
  - (c) Sculpture
  - (d) Folk art

5. Feedback in communication means \_\_\_\_\_.  
(CO1, K2)
- (a) Response (b) Noise  
(c) Message (d) None of these
6. A job interview is a type of \_\_\_\_\_. (CO3, K1)
- (a) Dyadic communication  
(b) Multiladic communication  
(c) Mass communication  
(d) None of the above
7. The art of listening can help a person become good at communication. How is that so? (CO3, K1)
- (a) He would become more patient if he listens to the other person  
(b) If he listens to the other person carefully, he would be able to understand his viewpoint and thus send his message to him accordingly  
(c) Good listeners can become good executives and leaders  
(d) Patient listeners quite often win the hearts of speakers
8. In presentation, silence is also a form of \_\_\_\_\_.  
(CO4, K1)
- (a) Protest (b) Rebellion  
(c) Communication (d) Dissent
9. The primary function of intrapersonal communication is \_\_\_\_\_.  
(CO1, K1)
- (a) Reasoning (b) Relationship building  
(c) To inform (d) To provide relaxation
10. Which of the following is not a type of reading? (CO2, K1)
- (a) Critical reading (b) Skimming  
(c) Scanning (d) Palm reading

**Part B**

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Distinguish between verbal and non-verbal communication. (CO1, K2)

Or

- (b) What are the elements of communication? (CO1, K2)

12. (a) List the measures to improve listening. (CO2, K3)

Or

- (b) What are the words to be avoided in good writing? (CO3, K3)

13. (a) Discuss the importance of time management in meetings. (CO3, K3)

Or

- (b) Justify the significance of oral communication in public gatherings. (CO3, K4)

14. (a) What is the format of a cover letter? (CO3, K4)

Or

- (b) What are the steps in conducting a meeting? (CO4, K5)

15. (a) Write five sample questions that are commonly asked in an interview. (CO5, K4)

Or

- (b) Distinguish between the writing styles of memo and circular. (CO5, K6)

**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Explain the barriers of communication. (CO1, K2)

Or

- (b) Give an account on improving writing skills.  
(CO2, K4)

17. (a) Summarize the four types of reading. (CO2, K4)

Or

- (b) What are the steps in making a good presentation?  
(CO3, K5)

18. (a) Illustrate the making of a good resume with proper contents. (CO4, K6)

Or

- (b) Identify the good manners and etiquettes to be maintained in a job interview. (CO4, K4)

19. (a) Describe the importance of body language in presentations. (CO5, K5)

Or

- (b) Explain the characteristics of a good written report. (CO5, K5)

20. (a) What is Resume? List out different types of Resumes. (CO4, K3)

Or

- (b) Discuss about should be a good notice and circular. (CO5, K3)

**R1295**

**Sub. Code**

**518NM1**

**M.A. DEGREE EXAMINATION, APRIL – 2024**

**Life Skill Education**

**NME — LIFE SKILL EDUCATION**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. According to the Dakar Framework, what is essential for life skills ————. (CO2, K4)
  - (a) Academic knowledge
  - (b) Specialized skills
  - (c) Quality education
  - (d) Physical fitness
  
2. In the context of life skill Based Education, what is the importance of training models ————? (CO1, K2)
  - (a) Ignorable                      (b) Fundamental
  - (c) Secondary                      (d) Unrelated



3. What is the primary focus of the UN Inter Agency Meeting regarding life skills \_\_\_\_\_? (CO2, K4)
- (a) Ignoring life skills
  - (b) Quality education
  - (c) Academic knowledge
  - (d) Physical fitness
4. What is the primary function of the Johari Window in self-awareness? (CO3, K3)
- (a) Concealing information
  - (b) Revealing hidden aspects
  - (c) Ignoring emotions
  - (d) Focusing on physical fitness
5. What factor is NOT typically considered in evaluating effective communication \_\_\_\_\_? (CO3, K3)
- (a) Barriers
  - (b) Empathy
  - (c) Physical fitness
  - (d) Interpersonal relationships

6. In the context of problem solving, what are the stages of problem solving \_\_\_\_\_? (CO4, K4)
- (a) Ignoring, Accepting, solving
  - (b) Definition, Steps, Resolution
  - (c) Recognition, Ignoring, Resolution
  - (d) Unrelated, Unnecessary, Temporary
7. Which technique is used for self-awareness and involves understanding hidden aspects \_\_\_\_\_? (CO3, K3)
- (a) SWOT Analysis    (b) Johari Window
  - (c) Empathy            (d) Altruism
8. What is associated with critically evaluating thinking skills, problem solving and goal-setting \_\_\_\_\_? (CO4, K4)
- (a) Show                (b) Translate
  - (c) Compare            (d) Explain
9. What is a common stressor that individuals often face in their personal and professional lives, requiring effective coping strategies \_\_\_\_\_? (CO5, K5)
- (a) Winning a lottery jackpot
  - (b) Embracing new opportunities
  - (c) Facing unexpected challenges
  - (d) Taking a leisurely vacation

10. Which coping strategy is considered effective for managing stress and promoting success in life \_\_\_\_\_? (CO5, K5)
- (a) Procrastination and avoidance
  - (b) Seeking Social support
  - (c) Ignoring problems and hoping they go away
  - (d) Maintaining a rigid and inflexible mindset

**Part B** (5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Comment the importance of Life Skills Approach. (CO1, K2)

Or

- (b) Classify the key components of Life Skill Education. (CO1, K4)

12. (a) Compare Quality Education and Life Skills. (CO2, K4)

Or

- (b) Explain the concepts of Life skills. (CO2, K4)

13. (a) Interpret the SWOT analysis. (CO3, K3)

Or

- (b) What are the factors affecting Interpersonal relationships? (CO3, K3)

14. (a) Summarize the consequences of decision making. (CO4, K4)

Or

- (b) Write down the elements of thought. (CO4, K4)

15. (a) Bring out the demerits of coping skills. (CO5, K5)

Or

- (b) Explain the characteristics of coping skills. (CO5, K5)

**Part C** (5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Assess the merits demerits of Life Skills Training. (CO1, K2)

Or

- (b) Elaborate the implementation models in Life skills. (CO1, K2)

17. (a) Examine the evolution of Life Skills. (CO2, K4)

Or

- (b) Illustrate the Life Skills in UN Inter Agency Meeting. (CO2, K4)

18. (a) Examine the barriers of effective communication and propose ways to overcome them. (CO3, K3)

Or

- (b) Explain the features of : (CO3, K3)

(i) Self – Esteem

(ii) Self – Awareness

19. (a) What are the process of decision – making and explain its needs? (CO4, K4)

Or

- (b) How to form concepts and goal – setting. (CO4, K4)

20. (a) What are the challenges faced in coping with stress? (CO5, K5)

Or

- (b) Justify the selection of specific coping strategies in different life situations. (CO5, K5)

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**R1296**

**Sub. Code**

**525NM1**

**M.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Botany**

**MME : MUSHROOM CULTIVATION**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. Which type of mushroom is known for its medicinal properties, particularly in the treatment of cancer?  
(CO1, K2)
  - (a) Oyster mushroom
  - (b) *Calocybe indica*
  - (c) Enoki mushroom
  - (d) *Agaricus bisporus*
2. What is the common name for the mushroom species *Agaricus bisporus*?  
(CO1, K1)
  - (a) Morel
  - (b) Portobello
  - (c) Shitake
  - (d) Button mushroom
3. During mushroom cultivation, a step where a thin layer of soil is spread over the compost is known as  
(CO2, K2)
  - (a) Composting
  - (b) Spawning
  - (c) Casing
  - (d) Cropping

4. What is the primary role of spawn in mushroom cultivation? (CO2, K1)
- (a) To control humidity
  - (b) To introduce mycelium into substrate
  - (c) To provide nutrients
  - (d) To improve soil texture
5. Select the correct order of different stages of mushroom cultivation. (CO3, K5)
- (a) Composting → Pinning → Casing → Harvesting → Spawning → Preservation
  - (b) Composting → Casing → Pinning → Harvesting → Spawning → Preservation
  - (c) Composting → Spawning → Casing → Pinning → Harvesting → Preservation
  - (d) Composting → Casing → Pinning → Harvesting → Spawning → Preservation
6. Which factor is crucial in preventing contamination during mushroom cultivation? (CO3, K3)
- (a) Temperature fluctuations
  - (b) Humidity levels
  - (c) Air circulation
  - (d) Light exposure
7. Pick the highly valuable content in edible mushroom? (CO4, K2)
- (a) B vitamins
  - (b) Calcium
  - (c) Iron
  - (d) Carbohydrates

8. Which of the following mushroom contain 9 essential amino acids? (CO4, K4)
- (a) Oyster mushroom
  - (b) Button mushroom
  - (c) Milk mushroom
  - (d) Enoki mushroom
9. Sour taste of mushroom pickle without any added acid is (CO5, K3)
- (a) Chemical pickling
  - (b) Fermentation pickling
  - (c) Fresh packed pickle
  - (d) Quick-process pickle
10. Which mushroom has demand in market? (CO5, K3)
- (a) Button mushroom
  - (b) Oyster mushroom
  - (c) Milk mushroom
  - (d) Enoki mushroom

**Part B**

(5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Differentiate edible mushroom from poisonous mushroom. (CO1, K2)

Or

- (b) Compare the features of any two edible mushrooms available in India. (CO1, K2)



12. (a) Evaluate the substrates used for the production of mushroom spawn. (CO2, K2)

Or

- (b) Determine the role of nitrogen and carbon-rich materials in compost preparation for mushrooms? (CO2, K2)

13. (a) Summarize the cultivation of oyster mushroom. (CO3, K3)

Or

- (b) Describe the factors affecting mushroom cultivation. (CO3, K3)

14. (a) Highlight the health benefits of mushrooms. (CO4, K4)

Or

- (b) Illustrate short-term storage of freshly harvested mushrooms. (CO4, K4)

15. (a) Can you share popular traditional mushroom recipes in India? (CO5, K3)

Or

- (b) Discuss the current trends in marketing fresh mushrooms in India. (CO5, K3)

**Part C**

(5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Interpret the medicinal uses of mushroom.  
(CO1, K2)

Or

- (b) Examine the nutritional benefits of consuming edible mushrooms?  
(CO1, K2)
17. (a) Explain the process of preparing mushroom spawn.  
(CO2, K2)

Or

- (b) Describe the key ingredients used in preparing mushroom compost?  
(CO2, K2)
18. (a) How are fungal and bacterial diseases managed in mushroom cultivation?  
(CO3, K5)

Or

- (b) How will you design a low cost mushroom farm?  
(CO3, K5)
19. (a) Explain the long-term storage conditions of mushrooms.  
(CO4, K4)

Or

- (b) How do mushrooms contribute to dietary requirement?  
(CO4, K4)

20. (a) Comment on the value-added products of mushroom. (CO5, K3)

Or

(b) Describe the cooking techniques that enhance the flavor of mushroom. (CO5, K3)

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**R1297**

**Sub. Code**

**530NM2**

**M.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Microbiology**

**NME : AGRICULTURE AND ENVIRONMENTAL  
MICROBIOLOGY**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. Which soil microorganism is responsible for producing enzymes that break down complex organic compounds?  
(CO1, K3)  
(a) Fungi                      (b) Bacteria  
(c) Algae                      (d) Protozoa
2. Which soil microorganism is responsible for fixing atmospheric carbon?  
(CO1, K3)  
(a) Bacteria                      (b) Fungi  
(c) Algae                      (d) Viruses
3. Which one of the following is not a fungal diseases.  
(CO2, K3)  
(a) Rest of wheat  
(b) Smut of bajra  
(c) Black rot of crucifers  
(d) Red rot of sugarcane

4. Which of the following disease is found in ground nut?  
(CO2, K3)
- (a) Bunt                      (b) Downy mildew  
(c) Tikka                      (d) None of the above
5. Which of the following is not gaseous type cycle?  
(CO3, K4)
- (a) Oxygen cycle              (b) Hydrogen cycle  
(c) Phosphorus cycle        (d) Nitrogen cycle
6. Immobilization of sulphur occur in soil when C:S ratio is \_\_\_\_\_  
(CO3, K4)
- (a) < 300:1                      (b) >300:1  
(c) >400:1                      (d) >200:1
7. Which of the following techniques can be used to separate different-size fractions of the aquatic microbial community?  
(CO4, K2)
- (a) submerged-slide technique  
(b) fluorescent antibody technique  
(c) membrane-filter technique  
(d) by measuring biochemical activity
8. The degree of salinity in freshwater is nearly zero.  
(CO4, K2)
- (a) True  
(b) False
9. Purification strategies in municipal water supplies involves?  
(CO5, K5)
- (a) Sedimentation              (b) Filtration  
(c) Disinfection                  (d) All the above

10. Oxidation ponds for secondary waste water treatment is designed to promote growth of (CO5, K1)
- (a) Algae (b) Fungi  
(c) Plants (d) Bacteria

**Part B** (5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Microbial interaction and its types with examples. (CO1, K3)
- Or
- (b) Interaction of Mycorrhizal Fungi with Rhizospheric Microbes. (CO1, K3)
12. (a) Symptoms, control management and treatment of cotton. (CO2, K3)
- Or
- (b) Explain about the viral bio-insecticides. (CO2, K3)
13. (a) Nitrification vs. Denitrification - Differences with Examples. (CO3, K4)
- Or
- (b) Define and differentiate between aerosol droplet and airborne with examples. (CO3, K4)
14. (a) Bacterial growth and starvation in aquatic environments. (CO4, K2)
- Or
- (b) Hydrothermal vent and its types diagram. (CO4, K2)
15. (a) Definition and Mechanism of oxidation pond with diagram. (CO4, K1)
- Or
- (b) Explain about the solid waste treatment. (CO4, K1)

**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Describe Types, Application, Advantages, and Disadvantages of Bio-fertilizer. (CO1, K3)

Or

- (b) Outline recent Advances of Bioactive Compounds from Soil. (CO1, K3)

17. (a) Give a detailed account on crop production and management. (CO2, K3)

Or

- (b) Illustrate the pest and diseases management in maize. (CO2, K3)

18. (a) Give a detailed account on assessment of air quality. (CO3, K4)

Or

- (b) Describe dynamics and management of Carbon cycle in soil. (CO3, K4)

19. (a) Interpret microbial Diversity from Mangroves Sediments. (CO4, K2)

Or

- (b) Difference and Comparison of Aquatic vs Marine habitats. (CO4, K2)

20. (a) Discuss trickling filters - Design, types, Advantages and Disadvantages. (CO5, K1)

Or

- (b) Explain about mechanisms of biogas production from waste. (CO5, K1)

**R1298**

**Sub. Code**

**533NM1**

**M.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Nanoscience and Technology**

**NME — INTRODUCTION TO NANOSCALE IN SCIENCE  
AND TECHNOLOGY**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer the following objective type questions by choosing the correct option.

1. The first talk about nanotechnology was given by \_\_\_\_\_.  
(CO1, K1)
  - (a) Albert Einstein
  - (b) Newton
  - (c) Gordon E. Moore
  - (d) Richard Feynman
2. The melting point of particles in nano form \_\_\_\_\_.  
(CO1, K1)
  - (a) Increases
  - (b) Decreases
  - (c) Remains same
  - (d) Increases then decreases



3. Which one of them is the weakest? (CO2, K2)
- (a) Ionic bond
  - (b) Covalent bond
  - (c) Metallic Bond
  - (d) Van der Waals force
4. Chemical solution deposition is also known as \_\_\_\_\_ (CO2, K2)
- (a) Sol-gel
  - (b) CVD
  - (c) Plasma spraying
  - (d) Laser pyrolysis
5. Band theory predicts that magnesium is an insulator. However, in practice it acts as a conductor due to (CO3, K4)
- (a) overlap of filled 3s and filled 3p orbital
  - (b) presence of unfilled 3p orbital
  - (c) presence of filled 3s orbital
  - (d) overlap of filled 2p and filled 3s orbital

6. The Fermi level for an extrinsic 'n' type semiconductor (CO3, K4)
- (a) Lies towards the conduction band
  - (b) Lies mid-way between the valence band and conduction band
  - (c) Does not exist
  - (d) Lies towards the valence band
7. Quantum dots are \_\_\_\_\_ in nature. (CO4, K3)
- (a) Inorganic
  - (b) Organic
  - (c) Biologic
  - (d) Metallic
8. Nanomembranes have a pore size of \_\_\_\_\_ (CO4, K3)
- (a) 1 nm - 10 nm
  - (b) 10 nm - 100 nm
  - (c) 0.1 nm - 1 nm
  - (d) 100 nm - 1000 nm
9. Which property of nanoparticles provides a driving force for diffusion? (CO5, K5)
- (a) Optical Properties
  - (b) High surface area to volume ratio
  - (c) Sintering
  - (d) There is no such property

10. Which one of the following is an example for electrical properties of nanostructure? (CO5, K5)
- (a) Melting temperature
  - (b) Tunnelling current
  - (c) Both (a) and (b)
  - (d) None of the above

**Part B** (5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Define molecular and atomic size. (CO1, K1)

Or

- (b) List the type of nanomachine and nanotechnology. (CO1, K1)

12. (a) Explain the force between atoms and molecule particles. (CO2, K2)

Or

- (b) Write down the similarities between intermolecular and inter particle forces. (CO2, K2)

13. (a) Write a short note on fermi surface. (CO3, K4)

Or

- (b) Explain the band structure. (CO3, K4)

14. (a) Describe nanowires. (CO4, K3)

Or

- (b) Compare the 2D and 3D nanopores. (CO4, K3)

15. (a) Write any two properties of nanomaterials.  
(CO5, K5)

Or

- (b) Explain the surface chemistry of monolayer – self assembling.  
(CO5, K5)

**Part C** (5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Describe the different types of nanomaterials.  
(CO1, K1)

Or

- (b) Explain the top down and bottom up approaches.  
(CO1, K1)

17. (a) Classify the various forces of chemical bonding.  
(CO2, K2)

Or

- (b) Write brief about widely used methods of synthesis of nanomaterials.  
(CO2, K2)

18. (a) Describe the band structure at nanoscale. (CO3, K4)

Or

- (b) Illustrate the inter dynamic aspects of inter molecular force.  
(CO3, K4)

19. (a) Evaluate the fundamentals of quantum scale.  
(CO4, K3)

Or

- (b) Explain about the basics of nanomaterials in biological membrane.  
(CO4, K3)

20. (a) Explain the various properties of nanomaterials with examples. (CO5, K5)

Or

- (b) Write a brief note on electron transport in quantum wires and magnetic behaviour. (CO5, K5)
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**R1299**

**Sub. Code**

**540NM1**

**M.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Energy Science**

**NME : BASIC CONCEPTS IN ENERGY SCIENCES**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option

1. Which of the following is a nonrenewable energy resource? (CO1, K4)  
(a) Solar                      (b) Methane  
(c) Hydroelectric          (d) Coal
2. Which of the following problems. is associated with the burning of coal? (CO1, K4)  
(a) Acid Rain  
(b) Carbon Dioxide Emissions  
(c) Ash with Toxic Metal Impurities  
(d) All of These
3. The Pyranometer measures \_\_\_\_\_ (CO2, K2)  
(a) Direct Radiation  
(b) Diffusion Radiation  
(c) Both (a) and (b)  
(d) All of the above

4. How many types of solar cells? (CO2, K2)  
(a) One (b) Two  
(c) Three (d) Four
5. The wind intensity can be expressed in terms of (CO3, K1)  
(a) Reynolds number (b) Mach number  
(c) Beaufort number (d) Froude number
6. Global winds flowing towards west is (CO3, K1)  
(a) Trade winds (b) Western winds  
(c) Eastern winds (d) None of the above
7. Biomass is useful to produce \_\_\_\_\_ (CO4, K1)  
(a) Chemicals (b) Fibres  
(c) Biochemical (d) Transportation fuels
8. Which of the SI engine can be run on biogas? (CO4, K1)  
(a) Diesel engine  
(b) Petrol engine  
(c) Engine  
(d) External combustion engine
9. Which of the waste combustion technique is opted for solid waste treatment? (CO5, K1)  
(a) Bed plate  
(b) Fluidised bed  
(c) Incineration grate  
(d) Rotary
10. The single solar cell voltage is about (CO5, K1)  
(a) 0.2 V (b) 0.1 V  
(c) 0.5 V (d) None of these

**Part B**

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Examine the fossil fuels reserves and resources. (CO1, K4)

Or

- (b) Classify the energy sources. (CO1, K4)

12. (a) List and brief the types of solar radiations and the associated measuring instruments used for recordings. (CO2, K6)

Or

- (b) With appropriate schematic, illustrate the working of solar cooker. (CO2, K6)

13. (a) Illustrate the criteria for selecting site for a wind farm in India. (CO3, K4)

Or

- (b) Examine the advantages and limitations of biological indicators. (CO3, K4)

14. (a) Elaborate the classification and estimation of biomass. (CO4, K6)

Or

- (b) Show the Schematic representation of various designs of high-rate biogas digesters. (CO4, K6)

15. (a) Interpret the advantages of geothermal energy over other energy forms. (CO5, K4)

Or

- (b) Elaborate recent scenario of geothermal energy in India. (CO5, K4)



**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) (i) What is photosynthesis and why is it important?

(ii) Categories the energy sources and sun is the source of energy. (CO1, K4)

Or

(b) Explain in detail an overview of the global/Indian energy scenario. (CO1, K4)

17. (a) Outline the working principle of Pyrometer with the help of a neat sketch. (CO2, K6)

Or

(b) Explain concentrating collectors. Explain the various types of concentrating collectors with sketch. (CO2, K6)

18. (a) Categories the merits and demerits of wind energy conversions. (CO3, K4)

Or

(b) Interpret the technologies for wind energy conversion systems. (CO3, K4)

19. (a) Elaborate the source and characterizations of biofuels

(i) Biodiesel (ii) Bioethanol (CO4, K6)

Or

(b) Discuss about biomass as energy sources and its classification. (CO4, K6)

20. (a) Examine the sources of biomass and its estimation. (CO5, K4)

Or

(b) Present the prospects of geothermal energy in India. (CO5, K4)

**R1300**

**Sub. Code**

**541NM1**

**M.C.A. DEGREE EXAMINATION, APRIL – 2024**

**Computer Applications**

**NME : INTRODUCTION TO INFORMATION  
TECHNOLOGY**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. A gigabyte is equal to (CO1, K2)  
(a) 1024 Megabytes (b) 1024 Kilobytes  
(c) 1024 Terabytes (d) 1024 Bytes
2. \_\_\_\_\_ is a type of memory circuitry that holds the computer's start-up routine. (CO1, K2)  
(a) RIM (Read Initial Memory)  
(b) RAM (Random Access Memory)  
(c) ROM (Read Only Memory)  
(d) Cache Memory
3. A device that communicates the results of data processed by the computer and converts the digital information into a form that humans can easily read and understood is called (CO2, K2)  
(a) Input (b) Monitor  
(c) Output (d) Keyboard

4. Which of the following is not a pointing device? (CO2, K2)
- (a) Mouse
  - (b) Joystick
  - (c) Light pen
  - (d) Digitizer
5. Ctrl + N is used to (CO3, K6)
- (a) Save the Document
  - (b) Open the Document
  - (c) Create a New Document
  - (d) Close the Document
6. The intersection of a column and a row in a worksheet is called \_\_\_\_\_ (CO3, K6)
- (a) Column
  - (b) Address
  - (c) Value
  - (d) Cell
7. Computer Network is (CO4, K2)
- (a) Collection of hardware components and computers
  - (b) Interconnected by communication channels
  - (c) Sharing of resources and information
  - (d) All of the above
8. What is the acronym for LAN? (CO4, K2)
- (a) Local Area Network
  - (b) Local Access Network
  - (c) Line And Networking
  - (d) Line-less Networking
9. Which of the following is not a programming language? (CO5, K2)
- (a) HTML
  - (b) CSS
  - (c) JavaScript
  - (d) MySQL

10. Mnemonic refers to (CO5, K2)  
(a) Instructions (b) Code  
(c) Symbolic codes (d) Assembler

**Part B** (5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Narrate the pros and cons of using Computers. (CO1, K2)

Or

- (b) Describe the memory units. (CO1, K2)

12. (a) How a Scanner Works? (CO2, K2)

Or

- (b) Write a short note on Ergonomic keyboard. (CO2, K2)

13. (a) Briefly explain the Spreadsheet models. (CO3, K6)

Or

- (b) With suitable example explains the hypertext links. (CO3, K6)

14. (a) Define Firewall. List the importance of firewall. (CO4, K2)

Or

- (b) Explain the working principle of Modem. (CO4, K2)

15. (a) Explain the different types of translators. (CO5, K2)

Or

- (b) Write a short note on Object Oriented Programming. (CO5, K2)

**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1,000 words each.

16. (a) Discuss the different types of Computers. (CO1, K2)

Or

- (b) Elaborate on Categories of memories. (CO1, K2)

17. (a) Explain the Digital presses technologies. (CO2, K2)

Or

- (b) Discuss the Direct input devices. (CO2, K2)

18. (a) Describe the Spreadsheet applications. (CO3, K6)

Or

- (b) Explain the Spreadsheet Window in detail.  
(CO3, K6)

19. (a) Describe the LAN architecture in detail. (CO4, K2)

Or

- (b) Narrate the multimedia tools in detail. (CO4, K2)

20. (a) Elaborate on function and decomposing techniques.  
(CO5, K2)

Or

- (b) Describe the various steps to develop programs.  
(CO5, K2)

**R1301**

**Sub. Code**

**546NM1**

**M.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Information Technology**

**NME – OBJECT ORIENTED PROGRAMMING WITH C++**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. Which of the following is the correct syntax to print the message in C++ language? (CO1, K1)  
(a) Cout << "Hello world!"  
(b) Cout << Hello world!;  
(c) Out << "Hello World!;  
(d) None of the above
2. Which of the following is the correct identifier? (CO2, K2)  
(a) \$var\_name (b) VAR\_123  
(c) varname@ (d) None of the above
3. Comments are used to \_\_\_\_\_? (CO1, K2)  
(a) Make the program run faster  
(b) Make a program compile easier  
(c) Increase the size of executable program  
(d) To help others read and understand the program
4. The data members and member functions of a class are by-default? (CO3, K3)  
(a) Public (b) Private  
(c) Protected (d) Both (a) and (b)

5. Which of the following features must be supported by any programming language to become a pure object-oriented programming language? (CO1, K2)
- (a) Encapsulation (b) Inheritance  
(c) Polymorphism (d) All of the above
6. Which of the following is a properly defined structure? (CO3, K4)
- (a) `struct {int a;}`  
(b) `struct a_struct (int a;}`  
(c) `struct a_struct int a;`  
(d) `struct a_struct (int a;};`
7. Which of the following is used to terminate the function declaration? (CO3, K3)
- (a) `:` (b) `)`  
(c) `;` (d) `]`
8. Which of the following gets called when an object is being created? (CO4, K5)
- (a) Constructors (b) Virtual Function  
(c) Destructors (d) Main
9. Which of the following is true about constructors.
- (i) They cannot be virtual  
(ii) They cannot be private.  
(iii) They are automatically called by new operator. (CO4, K6)
- (a) All i, ii, iii (b) i and iii  
(c) ii and iii (d) i and ii
10. What is meant by multiple inheritance? (CO5, K2)
- (a) Deriving a base class from derived class  
(b) Deriving a derived class from base class  
(c) Deriving a derived class from more than one base class  
(d) None of the mentioned

**Part B**

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Explain the structure of a class in C++ with an example. (CO1, K2)

Or

- (b) Discuss in detail about the applications in C++. (CO1, K3)

12. (a) Explain about friend function with an C++ program. (CO2, K2)

Or

- (b) Discuss in detail about operators and manipulators in C++. (CO2, K4)

13. (a) Illustrate the use of member functions and nesting of member functions. (CO3, K5)

Or

- (b) Write a C++ program to find the maximum number in the array of integers. (CO3, K6)

14. (a) Explain about operator overloading with an example. (CO4, K2)

Or

- (b) Write a C++ program to convert temperature in Fahrenheit to Celsius. (CO4, K6)

15. (a) Explain about virtual base class with an example. (CO5, K4)

Or

- (b) What is the use of member classes and nesting of classes? (CO5, K3)



**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Explain about oops concepts and benefits of it.  
(CO1, K2)

Or

- (b) Write a C++ program to create a class called person that has private member variables for name, age and country. Implement member functions to set and get the value of these variables. (CO1, K6)

17. (a) Explain about call by value and call by reference with an example Program. (CO2, K4)

Or

- (b) Explain in detail about function overloading with an example. (CO2, K3)

18. (a) Illustrate the use of pointers and pointers to be a member with a C++ program. (CO3, K5)

Or

- (b) Write a C++ program to implement a class called shape with virtual member functions for calculating area and perimeter. Derive classes such as circle, rectangle and triangle from the shape class and override virtual functions accordingly. (CO3, K6)

19. (a) Describe a constructor. Explain about types of constructors with an example. (CO4, K4)

Or

- (b) Write in detail about binary operators using friend function with an example. (CO4, K5)

20. (a) Discuss about inheritance and explain about its types with an example program. (CO5, K3)

Or

- (b) Write a C++ program to count all the vowels in a given string. (CO5, K6)

**R1302**

**Sub. Code**

**547NM1**

**M.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Fisheries Science**

**NME : INTEGRATED FISH FARMING**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct options.

1. Which state has received the state award under the category of best hilly and North Eastern state in fisheries sector? (CO2, K3)
  - (a) Assam
  - (b) Karnataka
  - (c) Nagaland
  - (d) Kerala
2. The composite fish culture system is a technology developed by (CO1, K3)
  - (a) Central Marine Fisheries Research Institute
  - (b) National Fisheries development Board
  - (c) Indian Council of Agricultural Research
  - (d) None of the above
3. IRS is (CO4, K3)
  - (a) Integrated Recycling System
  - (b) Inland–River System
  - (c) Integrated Recirculation System
  - (d) None of the above

4. Which of the following is the most ideal crop system for fish farming (CO2, K5)
- (a) Sugarcane (b) Wheat  
(c) Maize (d) Rice
5. Polyculture of fishes were first developed in (CO1, K3)
- (a) India (b) China  
(c) Thailand (d) Taiwan
6. The boo classic of fish culture was written by (CO1, K3)
- (a) H.B. Wilson (b) Fan Lei  
(c) T V R Pillay (d) V G Zigran
7. Which zone is preferred for semi-intensive farming system (CO4, K3)
- (a) Inter-tidal (b) Supra-tidal  
(c) Low lying areas (d) None of the above
8. First scientific fish farm in India was constructed under the guidance of (CO2, K5)
- (a) H B Vora (b) H B Wilson  
(c) G E Fogg (d) Lo-Chai Chen
9. Feed intake can be increased by the addition of (CO5, K5)
- (a) Antioxidants (b) Pigments  
(c) Attractants (d) None of the above
10. In sewage fed fish culture (CO1, K3)
- (a) No oxidation pond is required  
(b) Serial oxidation ponds are required  
(c) Sewage water is directly used  
(d) Single oxidation pond is required

**Part B**

(5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Give an elaborate account on the off shore monoculture farm. (CO1, K3)

Or

- (b) Write on the various designs and criteria required for the running water aquaculture systems. (CO1, K3)

12. (a) Compare the national and international status on the aquaculture practices. (CO4, K3)

Or

- (b) Write a note on the characters of candidate species for aquaculture. (CO4, K3)

13. (a) Write a note on integrated epiculture with fish cum horticulture. (CO4, K3)

Or

- (b) State the various problems faced in the integrated fish farming. (CO4, K3)

14. (a) Give a detailed note on the concept of Integrated Agriculture and Aquaculture (IAA). (CO4, K3)

Or

- (b) Write a note on the rural aquaculture systems. (CO4, K3)

15. (a) Compare aquaponics and recirculatory aquaculture systems with a suitable example. (CO5, K5)

Or

- (b) Write a note on the layout of aquaponics system with description of the components. (CO5, K5)

**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Write an essay on the carp polyculture and composite culture. (CO1, K3)

Or

- (b) Write an essay on grow out and running water aquaculture (CO1, K3)

17. (a) Write a detailed account on the mushroom cultivation. (CO2, K5)

Or

- (b) Write a note on the freshwater and coastal aquaculture with a suitable example. (CO1, K3)

18. (a) Describe detailed on the livestock based freshwater integrated aquaculture with schematic diagram. (CO3, K4)

Or

- (b) Write on the Global account on poultry cum aquaculture practices. (CO3, K4)

19. (a) Give a schematic representation and a detailed note on the fish cum horticulture in India. (CO4, K3)

Or

- (b) Give a detailed note on the comparative economics on any two integrated farming systems in India. (CO4, K3)

20. (a) Write a note on the physio chemical parameters, feeding regime, health management and production of fish and plants in an aquaponics system with a schematic diagram. of aquaponics. (CO5, K5)

Or

- (b) Give an account on the national and international status of the aquaponics along with the various types. (CO5, K5)



4. Which of the following is an example of auxiliary agency?  
(CO2, K2)
- (a) Prime Minister's Office
  - (b) Department of Defense
  - (c) Public Works Department
  - (d) Department of Home
5. Communication is a nonstop \_\_\_\_\_ (CO3, K4)
- (a) Paper (b) Process
  - (c) Programme (d) Plan
6. Which is the basic need according to Maslow's theory?  
(CO3, K4)
- (a) Self actualization (b) Physiological
  - (c) Safety (d) Love and belonging
7. A government company is any company in which the paid-up capital held by the government is not less than  
(CO4, K5)
- (a) 49 percent (b) 51 percent
  - (c) 50 percent (d) 35 percent
8. The Public Sector enterprises are owned, managed and controlled by the  
(CO4, K5)
- (a) Government (b) Individuals
  - (c) Foreigners (d) Investors
9. Thrust on the citizen centricity and Right based approaches, aim to empower the  
(CO5, K6)
- (a) Citizen (b) Government
  - (c) Foreigner (d) None of the above

10. Who propounds the system of Rule of Law? (CO5, K6)  
(a) W.F. Willoughby (b) H. Finer  
(c) A.V. Dicey (d) Lowell

**Part B** (5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) What is the importance of Public Administration in every country? (CO1, K1)

Or

- (b) Describe New Public Management as the modern concept of Public Administration. (CO1, K1)

12. (a) Compare authority and responsibility. (CO2, K2)

Or

- (b) Summarize the advantages and disadvantages of delegation. (CO2, K2)

13. (a) Generate the ideas of effective Communication. (CO3, K4)

Or

- (b) Examine traditional type Control techniques. (CO3, K4)

14. (a) Explain the merits and demerits of departmental undertaking. (CO4, K5)

Or

- (b) Evaluate Independent Regulatory Commission. (CO4, K5)

15. (a) Discuss the executive control over Public Administration. (CO5, K6)

Or

- (b) Estimate the role of Civil Society Organization. (CO5, K6)



**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Relate Public Administration with other social sciences. (CO1, K1)

Or

- (b) Describe the origin and features of New Public Management. (CO1, K1)

17. (a) Explain the functions of line, staff and auxiliary agencies in Public Administration. (CO2, K2)

Or

- (b) Summarize the functions of hierarchy in Public Administration? (CO2, K2)

18. (a) Interpret the role of leadership in Public Administration. (CO3, K4)

Or

- (b) Generate the significance of decision making in Public Administration. (CO3, K4)

19. (a) Assess different Public Corporations. (CO4, K5)

Or

- (b) Explain headquarters and field relationship. (CO4, K5)

20. (a) Discuss judicial control over Public Administration. (CO5, K6)

Or

- (b) Estimate the role of media in Public Administration. (CO5, K6)

**R1304**

**Sub. Code**

**551NM1**

**M.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Computer Science**

**NME : OFFICE AUTOMATION**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. Which of the following is not a font style? (CO1, K1)
  - (a) Bold
  - (b) Italic
  - (c) Superscript
  - (d) None of the above
2. In MS Word, for what does ruler help? (CO1, K1)
  - (a) To set indents
  - (b) To set tabs
  - (c) To change page margins
  - (d) All of the above
3. You can detect spelling and grammar error by (CO2, K1)
  - (a) Press Shift+F7
  - (b) Press F7
  - (c) Press Ctrl+F7
  - (d) Press Alt+F7

4. Border can be applied to (CO2, K1)
- (a) Cell
  - (b) Paragraph
  - (c) Text
  - (d) All of the Above
5. Which two tabs will appear on the ribbon bar when you are editing the (contents of) a table in Word 2010? (CO3, K1)
- (a) Compatibility and Drawing
  - (b) Drawing and Preview
  - (c) Design and Layout
  - (d) Design and Compatibility
6. How do you resize a 'shape'? (CO3, K1)
- (a) Drag the shape
  - (b) Select the shape and drag the boundary/corner.
  - (c) Select the shape and drag the 'green' dot that appears linked above the shape.
  - (d) Right-click the shape and select 'move'.
7. Which of the following can be inserted into a Word 2010 document as a table directly? (CO4, K1)
- (a) Impress presentation
  - (b) Calc Spreadsheet
  - (c) Excel Spreadsheet
  - (d) Assembly source file

8. Which menu in MS Word can be used to change page size and typeface? (CO4, K1)
- (a) View                      (b) Format
- (c) Tools                      (d) Data
9. An Excel Workbook is a collection of? (CO5, K1)
- (a) Worksheets
- (b) Worksheets and Charts
- (c) Charts
- (d) Workbooks
10. What is the purpose of using headers and footers in a document? (CO5, K1)
- (a) They enhance the overall appearance of the document
- (b) To make large documents more readable.
- (c) They allow page headers and footers to appear on document when it is printed
- (d) To mark the starting and ending of a page.

**Part B** (5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Explain moving, resizing and deleting pictures in a word document. (CO1, K4)
- Or
- (b) How to change font and font Size in MS Word with suitable examples. (CO1, K5)

12. (a) Illustrate about inserting the date or time into a header or footer. (CO2, K5)

Or

- (b) How to use the spelling check feature in MS Word? Explain about ignoring errors and its options. (CO2, K6)

13. (a) What is a chart? How do we create a chart? How can you modify a chart? (CO3, K4)

Or

- (b) Explain any five function in MS Excel. (CO3, K5)

14. (a) Explain how tables are created and edited in access. (CO5, K1)

Or

- (b) List out the features of MS Access. What is the use of access? (CO5, K2)

15. (a) How to insert, delete, moving slides in a power point presentation? (CO4, K2)

Or

- (b) How do you make a PowerPoint presentation into a video? (CO4, K6)

**Part C**

(5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Explain the following features in word. (CO1, K6)
- (i) Bullets and numbering
  - (ii) Paragraph spacing
  - (iii) Header and footer

Or

- (b) Illustrate about using cut, copy and paste commands in MS Word. (CO1, K5)

17. (a) Explain the following operations with an example. (CO2, K1)
- (i) Copy a text and place in another position
  - (ii) Create table with 5 rows and 3 columns
  - (iii) Adding a page number in the center of the page
  - (iv) Set the margins

Or

- (b) How to add a row and column in an existing table? Explain with an example. (CO2, K5)

18. (a) What is worksheet? How does it differ from spreadsheet? What are the data types placed in a cell? Explain. (CO3, K4)

Or

- (b) Discuss the facilities available to format the data in the cell with an example. (CO3, K6)

19. (a) What kind of application is MS Access? What are the components of MS Access? (CO5, K5)

Or

- (b) Explain about MS Access database. Discuss the steps to create a report in MS Access. (CO5, K5)

20. (a) Briefly explain how to select one hyperlink after another during a slide presentation. (CO4, K6)

Or

- (b) Explain in detail about benefits of PowerPoint facility in MS-OFFICE. (CO4, K6)

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**R1305**

**Sub. Code**

**558NM1**

**M.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Nutrition and Dietetics**

**NME : BASICS OF HUMAN NUTRITION**

**(CBCS – 2023 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. Human nutrient requirements depend on the \_\_\_\_\_ of the individual. (CO1, K2)
  - (a) Height and weight
  - (b) Age and sex
  - (c) Dietary habits
  - (d) All of these
  
2. The high rate of maternal mortality, still birth and low birth weight are associated with \_\_\_\_\_ nutrition. (CO1, K2)
  - (a) Normal
  - (b) Over
  - (c) Under
  - (d) Both over and under
  
3. \_\_\_\_\_ don't provide energy. they're essential for functions like digestion, hormone production and brain function. (CO2, K1)
  - (a) Carbohydrate and protein
  - (b) Protein and fat
  - (c) Carbohydrate and fat
  - (d) Vitamins and Minerals



4. Protein provides calories per gram of energy. (CO2, K1)  
(a) 4 (b) 6  
(c) 8 (d) 9
5. Which vitamin deficiency leads to excessive bleeding from wounds? (CO3, K2)  
(a) Vitamin A (b) Vitamin C  
(c) Vitamin E (d) Vitamin K
6. Which one of the following is the dietary source of calcium? (CO3, K2)  
(a) Milk (b) Fish  
(c) Dates (d) egg
7. \_\_\_\_\_ is the severe form of protein deficiency occurring after 18 months of age. (CO4, K1)  
(a) Marasmus  
(b) Kwashiorkor  
(c) Marasmic kwashiorkor  
(d) Infection
8. Difficulty in remembering recent events is a symptom of (CO4, K1)  
(a) Alzheimer's disease  
(b) Parkinson's disease  
(c) Food allergy  
(d) Obesity
9. The risk of developing high blood pressure can be reduced by? (CO5, K1)  
(a) Reducing salt intake  
(b) Eating a balanced diet  
(c) Avoiding harmful use of alcohol  
(d) All of these

10. Typhoid is called as \_\_\_\_\_ lever. (CO5, K1)
- (a) Enteric (b) Chronic  
(c) Acute (d) asymptomatic

**Part B** (5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) What are the factors associated with malnutrition? Brief it. (CO1, K2)

Or

- (b) Summarize the role of food in health promotion. (CO1, K2)

12. (a) Explain the functions of carbohydrates in our body. (CO2, K4)

Or

- (b) Write the functions of fats in our body. (CO2, K4)

13. (a) Differentiate fat-soluble vitamins and water-soluble vitamins. (CO3, K3)

Or

- (b) Discuss the following deficiencies: IDA and IDD. (CO3, K3)

14. (a) Differentiate breast feeding and formula feeding. (CO4, K5)

Or

- (b) Explain the problems and tips for dealing with picky eaters in preschool children. (CO4, K5)

15. (a) Give an outline of communicable diseases and their preventive measures. (CO5, K2)

Or

- (b) List out the causes of hypertension and CVD. (CO5, K2)

**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Discuss in detail about classifications of food groups. (CO1, K2)

Or

- (b) Differentiate over nutrition and under nutrition. (CO1, K2)

17. (a) List out the food sources of protein and fat. (CO2, K4)

Or

- (b) Protein Energy Malnutrition (PEM)-Explain. (CO2, K4)

18. (a) Describe the deficiency of vitamin D in children and adults. (CO3, K3)

Or

- (b) Explain about the importance of macro minerals and their dietary sources. (CO3, K3)

19. (a) Elaborate nutritional allowances and requirements for the infants. (CO4, K5)

Or

- (b) Determine the nutritional needs for Indian adults. (CO4, K5)

20. (a) Explain about hepatitis and its nutritional requirement. (CO5, K2)

Or

- (b) Plan a diet for cancer patient with dietary guidelines. (CO5, K2)

**R1306**

**Sub. Code**

**622NM1**

**M.B.A. DEGREE EXAMINATION, APRIL – 2024**

**Corporate Secretaryship**

**NME — INTRODUCTION TO GST**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. In India GST became effective from (CO1, K2)  
(a) 1<sup>st</sup> April, 2017 (b) 1<sup>st</sup> January 2017  
(c) 1<sup>st</sup> July, 2017 (d) 1<sup>st</sup> March, 2017
2. What is the threshold limit of turnover in the preceding financial year for opting to pay tax under composition scheme? (CO1, K2)  
(a) 20 lacs (b) 50 lacs  
(c) 75 lacs (d) 1 crore
3. Which of the following taxes will be levied on Imports of goods and services? (CO2, K2)  
(a) CGST (b) SGST  
(c) IGST (d) Exempt
4. An intermediate tax mainly in B2B transaction is (CO2, K2)  
(a) IGST (b) SGST  
(c) CGST (d) Exempt

5. On Gambling, betting and racing, GST will be levied with full input tax credit at the racing (CO3, K2)
- (a) 5% (b) 12%
- (c) 18% (d) 28%
6. Provisional Input Tax credit can be utilized against (CO3, K2)
- (a) Any tax liability
- (b) Self-Assessed output tax liability
- (c) Interest and penalty
- (d) Fine
7. Which of the following return is required to be filed by a composition dealer? (CO4, K2)
- (a) GSTR-3B (b) GSTR-4
- (c) GSTR-9A (d) Both (b) and (c)
8. In case of supply of exempted goods or services or both, the registered person shall issue (CO4, K2)
- (a) A tax invoice (b) A bill of supply
- (c) Receipt voucher (d) e-way bill
9. Audit under GST is the examination of records maintained by a (CO5, K2)
- (a) Registered dealer (b) Supplier
- (c) Dealer (d) Retailer
10. How will the goods and services be classified under GST regime? (CO5, K2)
- (a) SAC/HSN Code (b) HSN Code
- (c) SAC Code (d) GST Code

**Part B**

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) State the objectives of introduction to GST in India.  
(CO1, K3)

Or

- (b) What are composite supply, mixed supply and exempt supply?  
(CO1, K4)

12. (a) Outline the composition of GST Council in India.  
(CO2, K3)

Or

- (b) List the services exempt from GST. (CO2, K4)

13. (a) Illustrate the apportionment of credit. (CO3, K3)

Or

- (b) What are Anti Profit measures under GST?  
(CO3, K4)

14. (a) Surya agencies has agreed to supply goods to customer's premises. Goods valued Rs.80,000 are taxable at 5% IGST as it is an Inter state supply. It also pays freight and transit insurance of 12,000 to GTA on behalf of the customer. GTA is a registered entity and charged GST (6% CGST and 6% SGST) under forward charge. (CO4, K3)

- (i) Compute the invoice value of supply including IGST.

- (ii) What will be the invoice value of supply including IGST, [the supply was under ex-factory basis instead of door delivery basis?

Or

- (b) Mr. Ajay is travelling from Mumbai to Delhi by air. He purchases coffee and snacks while on the plane. The airline is registered in both Mumbai and Delhi. What is the basis for calculation of GST on coffee and snacks purchase?  
(CO4, K4)

15. (a) What is GSTR – 4? (CO5, K3)

Or

(b) State the features of process of payment. (CO5, K4)

**Part C** (5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Bring out the salient features of CGST Act. (CO1, K5)

Or

(b) Describe the Objectives of Taxation with its types. (CO1, K6)

17. (a) Describe the GST provisions relating to zero rated supply. (CO2, K5)

Or

(b) Describe the administrative setup under GST Act. (CO2, K6)

18. (a) Define Supply and Input Tax Credit under GST Act. (CO3, K5)

Or

(b) Explain the various situation of reverse charge on GST Law. (CO3, K6)

19. (a) Distinguish between Debit Note and Credit Note. (CO4, K5)

Or

(b) Enumerate various situation of refund where no or lesser actual ability arises under GST Assessment. (CO4, K6)

20. (a) Explain various types of Return under GST. (CO5, K5)

Or

(b) Discuss in detail about, the Process of Payment. (CO5, K6)

**R1307**

**Sub. Code**

**632NM1**

**M.B.A. DEGREE EXAMINATION, APRIL – 2024**

**Banking and Insurance**

**NME — PRACTICAL BANKING**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. What was the main reason for the establishment of the RBI? (CO1, K2)
  - (a) To regulate the banking sector in India
  - (b) To promote industrial growth
  - (c) To issue currency and manage monetary policy
  - (d) To oversee foreign exchange reserves
  
2. What is the primary objective of Small Finance Banks in India? (CO1, K2)
  - (a) Providing services exclusively to small scale industries
  - (b) Providing credit to small and marginal farmer
  - (c) Catering only to urban areas
  - (d) Extending banking services to unserved and underserved sections of the population



3. A saving bank A/c in the sole name of a minor can be opened he completes \_\_\_\_\_ (CO2, K3)
- (a) 10 years of age (b) 12 Year of age  
(c) 18 year of age (d) 21 year of age
4. What is a pay-in slip used for? (CO2, K3)
- (a) Withdrawing cash from an ATM  
(b) Making a deposit into a bank account  
(c) Paying bills online  
(d) Transferring fund between accounts
5. What is the collateral typically required for a secured loan? (CO3, K5)
- (a) Personal guarantee  
(b) Pledge of assets  
(c) Credit score  
(d) Bank statement
6. Who typically provides micro credit to new entrepreneurs? (CO3, K5)
- (a) Commercial banks  
(b) Venture capital firms  
(c) Non Governmental Organizations  
(d) Government agencies

7. The click and portal model facilities \_\_\_\_\_ (CO4, K2)
- (a) Traditional banking
  - (b) Paperless banking
  - (c) Virtual banking
  - (d) (a) and (c) together
8. What is the main advantages of Fintech in banking? (CO4, K2)
- (a) Increased bureaucracy
  - (b) Lower cost for consumer
  - (c) Limited access to financial services
  - (d) Slower transaction processing
9. What does CSR stand for in the context of banking? (CO5, K5)
- (a) Corporate Services Regulation
  - (b) Corporate Social Responsibility
  - (c) Customer Service Recognition
  - (d) Company Savings and Revenue
10. Who administers the ombudsman scheme? (CO5, K5)
- (a) Individual banks
  - (b) The central bank of the country
  - (c) Industry associations
  - (d) Government – appointed bodies

**Part B**

(5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Compare the scheduled banks with non scheduled banks. (CO1, K2)

Or

- (b) Outline the importance of payment banks. (CO1, K2)

12. (a) Identify the features of recurring deposits. (CO2, K3)

Or

- (b) Discover the contents of FDR. (CO2, K3)

13. (a) Explain the principles of sound lending. (CO3, K5)

Or

- (b) Distinguish between overdraft and cash credit. (CO3, K5)

14. (a) Compare mobile banking with internet banking. (CO4, K2)

Or

- (b) Explain the advantages of mobile wallets. (CO4, K2)

15. (a) Assess the main challenges and risks associated with implementing paperless banking services. (CO5, K5)

Or

- (b) Explain how the rise of informative bank websites has improved customer education and financial literacy. (CO5, K5)

**Part C** (5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Express your views relating to issue and distribution of currency by RBI. (CO1, K2)

Or

- (b) Explain the role of RRB's in providing rural finance. (CO1, K2)

17. (a) Identify the formalities which a banker has to observe before opening a new account. (CO2, K3)

Or

- (b) Discuss the effects of entries found in the bank pass book of a customer. (CO2, K3)

18. (a) Explain the various kinds of credit facilities available to individuals. (CO3, K5)

Or

- (b) Evaluate the significance role of commercial banks in agricultural credit in India. (CO3, K5)

19. (a) Analyse the various issues involved in E-banking and suggest measures to overcome them. (CO4, K2)

Or

- (b) Explain the working mechanism of RTGS and NEFT. (CO4, K2)

20. (a) Explain the features of the banking ombudsman scheme by pointing out the procedure for redressal of customers grievances. (CO5, K5)

Or

- (b) Evaluate the career prospects in the Indian banking sector. (CO5, K5)
-

**R1308**

**Sub. Code**

**641NM1**

**M.B.A. (General) DEGREE EXAMINATION, APRIL – 2024**

**Management**

**NME : PSYCHOLOGY FOR MANAGING SELF AND  
OTHERS**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. Organizational psychology focuses on: (CO1, K2)
  - (a) Child development
  - (b) Behavior in the workplace
  - (c) Animal behavior
  - (d) Abnormal behavior
  
2. Evolutionary psychology suggests that our behaviors are influenced by: (CO1, K2)
  - (a) Cultural norms
  - (b) Learned experiences
  - (c) Evolutionary adaptations
  - (d) Religious beliefs

3. A performance review conducted in the adult ego state would emphasize: (CO2, K3)
- (a) Emotional reactions to work performance
  - (b) Objective feedback and improvement areas
  - (c) Personal criticisms and blame
  - (d) Overly praising accomplishments
4. TA suggests that “games” are: (CO2, K3)
- (a) Healthy communication patterns
  - (b) Unhealthy and manipulative interactions
  - (c) Open and honest communication
  - (d) Effective conflict resolution strategies
5. Goal setting in an organization should be: (CO3, K1)
- (a) Vague and unrealistic
  - (b) Specific, measurable, achievable, relevant, and time-bound (SMART)
  - (c) Based on personal desires only
  - (d) Set by superiors without employee input
6. Development planning involves: (CO3, K1)
- (a) Punishing employees for mistakes
  - (b) Identifying employee strengths and potential
  - (c) Ignoring employee career aspirations
  - (d) Micromanaging employee tasks
7. Cognitive-behavioral therapy (CBT) focuses on: (CO4, K6)
- (a) Unconscious desires and motivations
  - (b) Identifying and changing negative thought patterns
  - (c) Analyzing childhood experiences
  - (d) Medication to manage behavior

8. Which behavior modification technique involves gradually introducing a desired behavior? (CO4, K6)
- (a) Shaping                      (b) Extinguishment  
(c) Time-out                      (d) Punishment
9. Common anxieties faced by employees in the workplace may include: (CO5, K2)
- (a) Public speaking only  
(b) Meeting deadlines and performance expectations  
(c) Relationship issues with family or friends  
(d) Financial concerns unrelated to work
10. Which statement is FALSE regarding workplace stress? (CO5, K2)
- (a) High workloads and tight deadlines can contribute to stress  
(b) Workplace stress can have negative impacts on employee health and well-being  
(c) Managing workload effectively can help reduce stress levels  
(d) Stress in the workplace is always due to personal factors outside of work

**Part B** (5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Briefly describe the contributions of two major historical figures in psychology. (CO1, K2)

Or

- (b) Describe how cultural factors can influence human behavior and perception. (CO1, K2)



12. (a) Explain the difference between complementary and crossed transactions in TA, and describe the potential consequences of each type. (CO2, K3)

Or

- (b) Analyze a short workplace scenario using TA principles. Identify the ego states involved and suggest strategies for communication improvement. (CO2, K3)

13. (a) Explain the concept of setting boundaries and its importance in maintaining healthy relationships. (CO3, K1)

Or

- (b) Outline a step-by-step process for effectively expressing your needs and opinions in a respectful and assertive manner. (CO3, K1)

14. (a) Briefly describe two different operant conditioning techniques (e.g., shaping, chaining) and explain how they can be used to change behavior. (CO4, K6)

Or

- (b) Explain the core principles of cognitive-behavioral therapy (CBT) and its applications in managing behavior and mental health challenges. (CO4, K6)

15. (a) Discuss the potential benefits and limitations of providing career counselling within the workplace setting. (CO5, K5)

Or

- (b) Describe the importance of stress management within the workplace and suggest strategies that managers can implement to support employee well-being. (CO5, K5)

**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) While implementing a new training program for employees in your organization. How can your understanding of different learning theories inform the design and delivery of this training program to ensure its effectiveness? (CO1, K2)

Or

- (b) Discuss the statement “Psychology is not a real science because it cannot objectively measure mental processes.” Present arguments for and against this statement, considering the limitations and challenges in studying the human mind while acknowledging the scientific rigor and methodologies employed in psychological research. (CO1, K2)

17. (a) Compare and contrast Transactional Analysis with another relevant communication model, such as the Johari Window. Explain how both models contribute to understanding communication dynamics and improving interpersonal relationships. (CO2, K3)

Or

- (b) Develop a training module or workshop for managers on how to apply Transactional Analysis principles to provide constructive feedback to their employees. Include interactive elements and practical exercises to enhance learning and skills development. (CO2, K3)

18. (a) Compare and contrast two different approaches to conflict resolution, such as assertiveness and compromise. Discuss the situations where each approach might be more appropriate and the potential outcomes of utilizing each strategy.  
(CO3, K1)

Or

- (b) Discuss the statement “Assertiveness is essential for success in all situations.” Present arguments for and against this statement, considering the importance of emotional intelligence and adapting communication styles based on the context and audience.  
(CO3, K1)
19. (a) Research and report on a specific application of cognitive-behavioural therapy (CBT) in an organizational setting beyond individual employee issues. Discuss the rationale behind using CBT for this particular issue and the potential benefits for the organization.  
(CO4, K6)

Or

- (b) Compare and contrast behavior modification techniques with other approaches to changing behavior, such as social learning theory or humanistic psychology. Discuss the core principles of each approach and their potential applications in different contexts.  
(CO4, K6)

20. (a) Discuss the potential benefits and limitations of managerial counselling within the workplace setting. Critically analyze the ethical considerations involved in providing managerial counselling, and propose strategies for ensuring ethical practice and preventing potential misuses. (CO5, K5)

Or

- (b) Compare and contrast the roles of a manager and a professional counsellor in addressing employee concerns. Discuss the statement “Managers should be trained and equipped to provide counselling to their employees.” Present arguments for and against this statement, considering the potential benefits, limitations, and ethical challenges involved. (CO5, K5)
-

**R1309**

**Sub. Code**

**645NM1**

**M.B.A. DEGREE EXAMINATION, APRIL 2024**

**Tourism Management**

**NME : BASICS OF TOURISM**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. Motels are an example of (CO1, K1)
  - (a) Supplementary accommodation
  - (b) Ecotel
  - (c) Capsule accommodation
  - (d) Mobile accommodation
2. Desire to visit a destination because of its unique natural environment is an example of (CO2, K2)
  - (a) Pull (b) Push
  - (c) Both (d) Neither
3. In the 1930's ————— pioneered the development of motorways with their Autobahns (CO2, K1)
  - (a) Spanish (b) Italians
  - (c) Japanese (d) Germans
4. In Europe attempts to create Commercial airlines began (CO2, K1)
  - (a) 19<sup>th</sup> Century
  - (b) After World War I
  - (c) After World War II
  - (d) After 1950's

5. Travelling for business or professional interest, is an example of (CO3, K2)
- (a) Interpersonal Motivator
  - (b) Physical Motivator
  - (c) Status and Prestige Motivator
  - (d) Cultural Motivator
6. Desire to experience better amenities and facilities not available in ones own home country is an example of (CO3, K2)
- (a) Wanderlust            (b) Sunlust
  - (c) Travel Lust        (d) Leisure Lust
7. \_\_\_\_\_ are a means of estimating how much extra income is produced in an economy as a result of initial spending or injection of cash (CO4, K2)
- (a) Remittance
  - (b) Investment
  - (c) Balance of payments
  - (d) Multiplier
8. The UNWTO does not offer the following type of membership. (CO2, K1)
- (a) Full                    (b) Semi
  - (c) Associate            (d) Affiliate
9. In order for tourism to be sustainable a tourist site \_\_\_\_\_ has to be evaluated (CO2, K1)
- (a) Visual impact
  - (b) Social impact
  - (c) Carrying capacity
  - (d) Economic impact

10. A tourism pamphlet bound in the form of a booklet is called a (CO1, K1)
- (a) Brochure (b) Bulletin  
(c) Poster (d) Monograph

**Part B** (5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Define and differentiate between tourist and excursionist. (CO1, K1)

Or

- (b) Identify and elaborate on the deterrents to travel. (CO2, K2)

12. (a) Describe the indirect and support services for tourism. (CO2, K3)

Or

- (b) Explain Mathiesan and Wall's travel buying behaviour model. (CO2, K2)

13. (a) Discuss environmental impact of tourism with examples. (CO3, K3)

Or

- (b) Evaluate the role of the State in tourism development. (CO3, K4)

14. (a) Highlight the role of ICAO with regard to the development and promotion of tourism. (CO4, K2)

Or

- (b) Explain with suitable examples the role of the State tourism development corporation. (CO4, K2)

15. (a) Elucidate with examples of scope and Rural tourism in India. (CO5, K5)

Or

- (b) Elaborate the ideals of Responsible tourism. (CO5, K6)

**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) What are the new trends in tourism that have emerged in the recent decades? (CO1, K1)

Or

- (b) Trace the evolution of Global tourism. (CO2, K2)

17. (a) Explain the basic components of tourism with suitable examples. (CO3, K2)

Or

- (b) Highlight the amenities and infrastructure of accommodation facilities in India. (CO3, K2)

18. (a) Elaborate and evaluate the positive impact of tourism on regional development. (CO3, K6)

Or

- (b) Give an estimate of the five year plans and National tourism policy in the promotion of tourism.

(CO3, K5)

19. (a) Describe the role and functions of tourism organisations in the development of tourism. (CO3, K2)

Or

- (b) Identify the work done by Airport Authority of India and Ministry of tourism in Tourism promotion. (CO4, K4)

20. (a) Elucidate with examples the main activities and roles of International tourism organisations. (CO5, K5)

Or

- (b) Evaluate the role of private sector in Tourism. (CO5, K6)



**R1310**

**Sub. Code**

**646NM1**

**M.B.A. DEGREE EXAMINATION, APRIL – 2024**

**Disaster Management**

**NME : INTRODUCTION TO DISASTER MANAGEMENT**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. What does the term 'Hazard' refer to in the context of disaster management? (CO1, K2)
  - (a) A dangerous event or condition
  - (b) Immediate response to a disaster
  - (c) Financial aid after a disaster
  - (d) Post-disaster recovery efforts
  
2. What is the primary focus of the "Preparedness" phase in the Disaster Management Cycle? (CO1, K2)
  - (a) Long-term recovery
  - (b) Minimizing the impact during a disaster
  - (c) Mitigating potential hazards
  - (d) Rebuilding infrastructure after a disaster

3. What is the primary characteristic of a volcanic eruption?  
(CO2, K2)
- (a) Sudden movement of rocks down a slope
  - (b) Release of magma, ash, and gases from a volcano
  - (c) Rotation of a powerful storm with a low-pressure center
  - (d) Overflow of water onto land due to heavy rainfall
4. Which type of natural disaster is characterized by the sudden shaking of the Earth's crust?  
(CO2, K2)
- (a) Flood
  - (b) Earthquake
  - (c) Cyclone
  - (d) Drought
5. What is the primary focus of CBRN in the context of disaster management?  
(CO3, K2)
- (a) Cybersecurity
  - (b) Chemical, Biological, Radiological, and Nuclear threats
  - (c) Construction and Building Regulations
  - (d) Civil and Business Resource Networking
6. Which type of man-made disaster is characterized by the sudden movement of rocks and soil down a slope?  
(CO3, K2)
- (a) Road accidents
  - (b) Chemical disasters
  - (c) Forest fires
  - (d) Landslides

7. What does the term “Disaster Determinants” refer to in the context of disaster management? (CO4, K2)
- (a) Elements that predict the occurrence of disasters
  - (b) Factors influencing the intensity of disasters
  - (c) Causes that contribute to disaster risk
  - (d) Immediate consequences of a disaster
8. In disaster management, what does the term “Physiology” primarily focus on? (CO4, K2)
- (a) Human response to disasters
  - (b) Geological factors leading to disasters
  - (c) Environmental consequences of disasters
  - (d) Economic impacts of disasters
9. What is the primary objective of Disaster Risk Reduction (DRR) in the context of disaster management? (CO5, K2)
- (a) Immediate response to disasters
  - (b) Minimizing the impact of disasters
  - (c) Long-term recovery efforts
  - (d) Assessing post-disaster damages
10. In the Disaster Management Cycle, what does the “Recovery” phase primary focus on? (CO5, K2)
- (a) Immediate response to disasters
  - (b) Minimizing the impact during a disaster
  - (c) Restoring and rebuilding after a disaster
  - (d) Preparing for future disasters

**Part B**

(5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Explain the importance of financial arrangements for disaster management, Discuss how adequate funding contributes to effective disaster response and recovery. (CO1, K3)

Or

- (b) Illustrate the significance of the international strategy for disaster reduction. (CO1, K3)
12. (a) Explain the types and effects of hydrological disasters, focusing on floods and droughts. Discuss the environmental and societal impacts of each and suggest preventive measures. (CO2, K4)

Or

- (b) Compare and contrast geological disasters such as earthquakes and landslides. Discuss the causes, consequences, and specific challenges associated with each type of disaster. (CO2, K4)
13. (a) Explain the different types of fires, including building fires, coal fires, forest fires, and oil fires. Highlight their causes, impacts, and strategies for prevention and control. (CO3, K4)

Or

- (b) Compare and differentiate the environmental consequences of air pollution, water pollution, and deforestation. (CO3, K4)

14. (a) Illustrate the factors affecting damage during a disaster, including types, scale, population, and habitation pattern. (CO4, K3)

Or

- (b) Express how effective communication and accessibility contribute to timely and efficient disaster response and recovery. (CO4, K3)

15. (a) Explain the importance of vulnerability assessment in understanding disaster risk. (CO5, K5)

Or

- (b) Compare and contrast the concepts of disaster risk reduction and resilience. (CO5, K5)

**Part C** (5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Illustrate the dimensions and scope of disaster management. Discuss the various elements involved in disaster management, including prevention, preparedness, response, and recovery. (CO1, K5)

Or

- (b) Explain the National Disaster Management Framework. Discuss its key components, policies, and objectives. (CO1, K5)

17. (a) Express the environmental implications of climatic change and global warming. Discuss how these phenomena contribute to sea level rise and impact ecosystems and human societies. (CO2, K4)

Or

- (b) Explain the impacts of wind-related disasters, including cyclones and storm surges. (CO2, K4)

18. (a) Illustrate the environmental and social implications of industrial wastewater pollution. (CO3, K4)

Or

- (b) Illustrate the environmental and societal consequences of chemical disasters, Discuss the types of chemical disasters, their causes, and the long-term effects on ecosystems and human health. (CO3, K4)

19. (a) Explain the factors influencing the success of prediction and preparedness measures in disaster management. Discuss the challenges associated with predicting disasters. (CO4, K5)

Or

- (b) Illustrate the impact of climate and physiology on disaster vulnerability and damage. Explore how climate conditions contribute to the intensity of disasters. (CO5, K5)

20. (a) Explain the components and importance of the Disaster Management Cycle. Discuss how each phase, including preparedness, response, recovery, and mitigation. contributes to effective disaster management. (CO5, K5)

Or

- (b) Express the significance of community involvement in disaster risk reduction and resilience-building. (CO5, K5)

**R1311**

**Sub. Code**

**652NM1**

**M.B.A. DEGREE EXAMINATION, APRIL – 2024**

**International Business**

**NME – GLOBAL ENTREPRENEURSHIP**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions  
by choosing the correct option.

1. Which of the following shows the process of creating something new? (CO1, K2)  
(a) Business model (b) Modelling  
(c) Innovation (d) Creative flexibility
2. Who introduced the term intrapreneur? (CO1, K1)  
(a) Schumpeter (b) Peter Drucker  
(c) David McClelland (d) Gifford Pinchot
3. What is not considered as a component of the global entrepreneurial environment? (CO2, K2)  
(a) Cultural Forces (b) Technological Forces  
(c) Political Forces (d) Legal Forces
4. Which of the following is a psychological factor affecting entrepreneurial growth? (CO2, K2)  
(a) Legitimacy of entrepreneurship  
(b) Social status  
(c) Need for achievement  
(d) Human resources

5. The crucial aspect for a successful business model is (CO3, K3)
- (a) Minimal customer interaction
  - (b) High pricing
  - (c) Low-quality products
  - (d) Sustainable revenue generation
6. The Special Economic Zone concept was first introduced in (CO3, K1)
- (a) China
  - (b) Japan
  - (c) USA
  - (d) Pakistan
7. The entity responsible for overseeing stability of the Global Monetary System is (CO4, K1)
- (a) WTO
  - (b) OPEC
  - (c) IMF
  - (d) World Bank
8. Under IMF, the exchange rate system was (CO4, K1)
- (a) Dollarization
  - (b) Gold standard
  - (c) Currency board system
  - (d) EURO
9. The initial step in formulating and launching global entrepreneurial ventures is (CO5, K3)
- (a) Identifying suppliers
  - (b) Developing business propositions
  - (c) Preparing project proposals
  - (d) Establishing business clearances
10. What is crucial in the preparatory phase of a global entrepreneurial venture? (CO5, K2)
- (a) Supplier agreements
  - (b) Financial reports
  - (c) Project proposal and report
  - (d) Competitor analysis



**Part B**

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Discover the main purpose of global entrepreneurship. (CO1, K3)

Or

- (b) Explain the concept of intra-preneurship. (CO1, K2)

12. (a) Outline the internal environment forces. (CO2, K2)

Or

- (b) State the importance of legal environment.(CO2, K3)

13. (a) List the characteristics of successful entrepreneurs. (CO3, K1)

Or

- (b) Simplify the features of Special Economic Zone. (CO3, K4)

14. (a) Illustrate the advantages of global monetary system. (CO4, K3)

Or

- (b) Determine the functions of international monetary system. (CO4, K5)

15. (a) Explain the concept of global entrepreneurial ventures. (CO5, K2)

Or

- (b) Categorize the documents required for global business establishment. (CO5, K4)

**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Demonstrate the different qualities of global entrepreneurs. (CO1, K3)
- Or
- (b) Examine the importance and sources of innovation. (CO1, K4)
17. (a) Assess the psychological challenges faced by entrepreneurs. (CO2, K5)
- Or
- (b) Evaluate the social and cultural forces in entrepreneurship. (CO2, K5)
18. (a) Describe the opportunity identification and evaluation of business. (CO3, K4)
- Or
- (b) Construct the business model development in entrepreneurship. (CO3, K6)
19. (a) Analyze the challenges in implementing a global entrepreneurial strategy. (CO4, K4)
- Or
- (b) Interpret the sources of capital for new ventures. (CO4, K5)
20. (a) Construct the steps involved in launching business propositions. (CO5, K6)
- Or
- (b) Assess the preparation of project proposal and report. (CO5, K5)

**R1312**

**Sub. Code**

**654NM1**

**M.B.A. DEGREE EXAMINATION, APRIL – 2024**

**Logistics And Supply Chain Management**

**NME : PRINCIPLES OF LOGISTICS AND SUPPLY  
CHAIN MANAGEMENT**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct options.

1. Which of the following is not an area to responsibilities for a logistic manager? (CO1, K1)  
(a) Inventory                      (b) Marketing  
(c) Warehousing                  (d) Purchasing
  
2. Supply Chain Management control or link the production to \_\_\_\_\_. (CO1, K1)  
(a) Directing  
(b) Distribution  
(c) Finance  
(d) Human Resource Management
  
3. What is the leading source of energy used in the India today? (CO2, K2)  
(a) Coal                              (b) Oil resources  
(c) Natural Gas                    (d) Nuclear Power

4. Special feature of urbanization in India has been (CO2, K2)
- (a) Localized in nature
  - (b) Balanced
  - (c) Both (a) and (b)
  - (d) None of the above
5. Functions of the Ware House includes (CO3, K3)
- (a) Storage and picking technology
  - (b) Facilities as well as the corresponding info
  - (c) Communication and distribution systems
  - (d) all of the above
6. The transport cost can is minimal in (CO3, K3)
- (a) Road Freight Transport
  - (b) Air freight
  - (c) By Sea freight
  - (d) By any mode depending on volume, time etc.,
7. \_\_\_\_\_ refers to the raw materials, components parts, and supplies bought from outside organisation to support a company's operations. (CO4, K3)
- (a) Procurement
  - (b) Materials management
  - (c) Supply management
  - (d) None of the above
8. In which packing Time-Temperature indicators (TTI's), ripeness indicators, biosensors and radio frequency identification are included. (CO4, K3)
- (a) Edible packing
  - (b) Active packing
  - (c) Modified atmosphere packing
  - (d) Intelligent or smart packing

9. Reverse logistics is required because (CO5, K5)
- (a) Goods are defective
  - (b) Goods are unsold
  - (c) The customers simply change their minds
  - (d) All of the above
10. \_\_\_\_\_ refers to supply chain practices that strive to reduce energy and environment footprints in terms of freight distribution. (CO5, K5)
- (a) Labour logistic
  - (b) Green logistic
  - (c) Outbound logistic
  - (d) Supply chain management

**Part B** (5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Give the objectives of the Logistics Management. (CO1, K1)
- Or
- (b) Write short note on customer value chain and its importance. (CO1, K1)
12. (a) What is supply chain? Why it is important?(CO2, K2)
- Or
- (b) List out the objectives of the supply chain management. (CO2, K2)
13. (a) Describe the main objectives of transportation management. (CO3, K3)
- Or
- (b) Why packaging is important for logistics? (CO3, K3)
14. (a) What do you mean by logistics service contract? Why it is important for logistics outsourcing. (CO4, K3)
- Or
- (b) Briefly discuss the value-added services of logistics? (CO4, K3)

15. (a) Why reengineering is important for supply chain management. (CO5, K5)

Or

(b) Portrait the various types of benchmarking in supply chain management. (CO5, K5)

**Part C** (5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Elucidate the functions of logistics and supply chain management. (CO1, K1)

Or

(b) Logistics is important for business excellence—Are you agree or disagree? Explain. (CO1, K1)

17. (a) Enumerate the dynamics of supply chain management. (CO2, K2)

Or

(b) Discuss the focus area in supply chain management. (CO2, K2)

18. (a) Explain the various material storage principles elaborately. (CO3, K3)

Or

(b) What is inventory management? Why it is important for warehousing? (CO3, K3)

19. (a) Describe the various benefits of logistics outsourcing. (CO4, K3)

Or

(b) Illustrate the third and fourth party logistics with example. (CO4, K3)

20. (a) Discuss the current issues in supply chain management. (CO5, K5)

Or

(b) What is virtual supply chain? What are the merits and demerits of virtual supply chain? (CO5, K5)

**R1313**

**Sub. Code**

**701NM1**

**M.A. DEGREE EXAMINATION, APRIL – 2024**

**English**

**NME: EFFECTIVE COMMUNICATION AND SOFT SKILLS**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. What is a primary benefit of clear communication in personal relationships? (CO1, K6)
  - (a) Avoiding misunderstandings
  - (b) Increasing intimacy
  - (c) Maintaining secrecy
  - (d) Creating distance
  
2. Which of the following describes downward communication? (CO1, K6)
  - (a) Communication between peers at the same level
  - (b) Communication from lower-level employees to upper management
  - (c) Communication from upper management to lower-level employees
  - (d) Communication between different departments

3. Which of the following is a key component of effective written communication? (CO2, K1)
- (a) Using complex vocabulary to impress the reader
  - (b) Ensuring clarity and coherence in the message
  - (c) Including as much information as possible, regardless of relevance
  - (d) Using informal language to establish rapport
4. Why should warning be conveyed with clarity and urgency? (CO2, K1)
- (a) To minimize the impact on the recipient
  - (b) To avoid taking responsibility for the consequences
  - (c) To ensure the recipient understands the seriousness of the situation
  - (d) To maintain a casual tone in the communication
5. What is the first step in planning a talk or presentation? (CO3, K1)
- (a) Rehearsing the speech multiple times
  - (b) Choosing a topic and defining the purpose
  - (c) Creating visual aids
  - (d) Inviting the audience
6. Which of the following is an example of an audiovisual aid? (CO3, K1)
- (a) Handouts
  - (b) PowerPoint slides
  - (c) Verbal explanations
  - (d) Body language



7. How does the force of expression impact the effectiveness of an argument? (CO4, K2)
- (a) It decreases the clarity of the argument
  - (b) It strengthens the persuasiveness and impact of the argument
  - (c) It confuses the audience
  - (d) It minimizes the importance of evidence and reasoning
8. Which of the following is a key characteristic of effective leadership? (CO4, K2)
- (a) Micromanagement
  - (b) Authoritarianism
  - (c) Empathy
  - (d) Dictatorship
9. What is the recommended font style and size for a resume? (CO5, K2)
- (a) Comic Sans, size 14
  - (b) Times New Roman, size 12
  - (c) Arial, size 10
  - (d) Calibri, size 8
10. What is a potential security risk associated with emails? (CO5, K2)
- (a) Limited risk of phishing attacks
  - (b) Exposure of sensitive information through unauthorized access
  - (c) Enhanced protection against malware and viruses
  - (d) Decreased likelihood of data breaches

**Part B**

(5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Discuss the significance of Communication.  
(CO1, K6)

Or

- (b) List out the channels of communication and its attributes.  
(CO1, K6)
12. (a) Evaluate the importance of audience analysis in tailoring a presentation for maximum impact.  
(CO2, K1)

Or

- (b) Recall Do's and don'ts of Telephone communication.  
(CO2, K1)
13. (a) How can you make the content engaging and relatable for making an effective presentation?  
(CO3, K1)

Or

- (b) Write a short note on who is the audience and what is their level of knowledge or expertise on the topic?  
(CO3, K1)
14. (a) Explain the importance of Body language of a presenter that makes an effective presentation.  
(CO4, K2)

Or

- (b) Analyze whether the physical comfort of the space or potential distraction impact audience's focus and participation?  
(CO4, K2)

15. (a) Express the various the types of Resume? (CO5, K2)

Or

- (b) Define Electronic mail and its advantages and disadvantages. (CO5, K2)

**Part C**

(5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Examine the various barriers to effective communication. (CO1, K6)

Or

- (b) Compile the impact of technology on communication patterns in modern society. (CO1, K6)

17. (a) Analyze the psychological benefits of cultivating a habit of gratitude. (CO2, K1)

Or

- (b) How will you write an apology letter and state its important to convey your remorse sincerely? (CO2, K1)

18. (a) Evaluate how Audio-Visual communication helps for effective communication and list out its merits and demerits. (CO3, K1)

Or

- (b) Write an essay on preparing Introduction, Body and Conclusion for a Presentation. (CO3, K1)

19. (a) Express whether your choice of words comes across as too forceful or directive, which could be interpreted as rude. (CO4, K2)

Or

- (b) Summarize the behavior pattern of a person in Group communication. (CO4, K2)
20. (a) Outline the essentials of Letter writing and explain in detail. (CO5, K2)

Or

- (b) Explain Memo and list out the types of memos with examples. (CO5, K2)
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**R1314**

**Sub. Code**

**720NM1**

**B.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Physical Education**

**NME : FIRST AID AND REHABILITATION**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. Where is the headquarters of WHO? (CO1, K1)  
(a) Australia                      (b) Switzerland  
(c) Russia                          (d) London
2. WHO day is celebrated on which day? (CO1, K1)  
(a) 7 April                          (b) 8 April  
(c) 9 April                          (d) 10 April
3. Which of the following is the health service? (CO2, K1)  
(a) Preventative                  (b) Hospital  
(c) Rehabilitative                (d) All the above
4. Olympic was held once in \_\_\_\_\_. (CO2, K1)  
(a) 5years                          (b) 4years  
(c) 2years                          (d) Every year

5. Every year, the World diabetes day was celebrated in \_\_\_\_\_.  
(CO3, K1)
- (a) September 14      (b) November 14  
(c) August 14      (d) October 14
6. Which of the following is not a communicable disease?  
(CO3, K1)
- (a) Malaria      (b) Covid 19  
(c) Diabetes      (d) Dengue
7. The tear of muscle is called \_\_\_\_\_.  
(CO4, K1)
- (a) Strain      (b) Sprain 19  
(c) Ligament      (d) Fracture
8. Which of the following is a first aid equipment? (CO4, K2)
- (a) Gauze      (b) Roller Bandage 19  
(c) Scissor      (d) All the above
9. Which vitamin is obtained from Sunlight? (CO5, K2)
- (a) Vitamin D      (b) Vitamin E  
(c) Vitamin A      (d) Vitamin B
10. How many components is essential for balanced diet?  
(CO5, K2)
- (a) 5      (b) 6  
(c) 7      (d) 8

**Part B**

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Write the meaning and definition of health education. (CO1, K3)

Or

- (b) Comment on malnutrition. (CO1, K3)

12. (a) Write down the origin and development of ancient games. (CO2, K3)

Or

- (b) Explain the components of physical fitness. (CO2, K3)

13. (a) What is meant by intentional and unintentional injuries? (CO3, K3)

Or

- (b) Explain the causes of life style disorders. (CO3, K3)

14. (a) Explain the principles of first aid. (CO4, K3)

Or

- (b) Explain the treatment of unconsciousness. (CO4, K3)

15. (a) Explain the classification of food. (CO5, K3)

Or

- (b) Write down the meaning of nutrition and malnutrition. (CO5, K3)

**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Write the aim, objectives and importance of Health Education. (CO1, K3)

Or

- (b) Explain the scope and importance of physical education. (CO1, K3)

17. (a) Describe the health education in schools and health services. (CO2, K4)

Or

- (b) What is safety Education? Explain the school and play field safety. (CO2, K4)

18. (a) Explain Diabetes and Obesity. (CO3, K3)

Or

- (b) Describe the symptoms and prevention of Communicable diseases. (CO3, K3)

19. (a) What is fracture and explain the types and its preventive measures? (CO4, K4)

Or

- (b) Explain the causes, symptoms and remedies of muscular sprain. (CO4, K4)

20. (a) What is food? Explain the constituents of food. (CO5, K4)

Or

- (b) Describe the deficiency diseases of vitamins. (CO5, K4)



**R1315**

**Sub. Code**

**724NM1**

**B.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Yoga**

**NME – APPLIED YOGA**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective types questions by choosing the correct option.

1. How many Bandhas are there in the body? (CO1, K1)  
(a) 9 (b) 6  
(c) 2 (d) 3
2. Meditation is \_\_\_\_\_. (CO1, K1)  
(a) Dhyana (b) Action  
(c) Internal practice (d) External practice
3. The word “Yoga” is derived from Sanskrit root (CO1, K3)  
(a) Yaju (b) Yuj  
(c) Riju (d) None of the above
4. What is the worldwide prevalence of obesity? (CO2, K3)  
(a) 13% (b) 11%  
(c) 15% (d) 39%
5. Asana useful in diabetes is \_\_\_\_\_. (CO2, K1)  
(a) Mandukasana (b) Virasana  
(c) Siddhasana (d) Padmasana

6. Which type of breathing is considered yogic breathing? (CO3, K1)
- (a) Abdominal breathing
  - (b) Thoracic breathing
  - (c) Both (a) and (b)
  - (d) None of these
7. How many types of Aahar are there according to yogic diet? (CO4, K1)
- (a) 8
  - (b) 3
  - (c) 4
  - (d) 7
8. Meat, fish and other alternatives provides the following important nutrient. (CO4, K1)
- (a) Protein
  - (b) Carbohydrate
  - (c) Fiber
  - (d) Sugar
9. Which in the basic text of Yoga philosophy? (CO5, K2)
- (a) Hatha Yoga Pradipika
  - (b) Gheranda Samhitha
  - (c) Shiva Samhitha
  - (d) Patanjali Yoga Sutra
10. Raja Yoga is the yoga of controlling our (CO5, K2)
- (a) Mind
  - (b) Sense Organs
  - (c) Organs of Action
  - (d) Our emotions

**Part B** (5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) What is Pranayama and its types? (CO1, K1)
- Or
- (b) Define Meditation. Explain the types of meditation. (CO1, K1)

12. (a) Explain Yoga for Asthma and Anemia. (CO2, K3)

Or

(b) Write any five benefits of Yoga asana in obesity. (CO2, K3)

13. (a) Examine the importance of mental health in detail. (CO3, K1)

Or

(b) Simplify the Yama and Niyama. (CO3, K1)

14. (a) Examine the concepts of Mitahara in Yogic diet. (CO4, K1)

Or

(b) Simplify the importance of Yogic diet. (CO4, K1)

15. (a) Define techno-stress and its causes and symptoms. (CO5, K2)

Or

(b) Briefly explain the health hazards in computer professional. (CO5, K2)

**Part C** (5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Describe the psycho-physiological effects of health benefits of Yogasana. (CO1, K1)

Or

(b) Summarise the structural and functional values of Chakras. (CO1, K1)

17. (a) Describe the effects of Tension and Migraine. (CO2, K3)

Or

(b) Summarise the role of asanas in curing Diabetes and Ulcer. (CO2, K3)

18. (a) Construct the role of yogic perspective of stress and pressure in detail. (CO3, K1)

Or

(b) Explain the Shat Kriyas and Dhyana with benefits. (CO3, K1)

19. (a) Define and explain the classification in Yogic diet. (CO4, K1)

Or

(b) Interpret the Yogic Diet and its role in healthy living. (CO4, K1)

20. (a) Explain the role of Yoga in the promotion of skills. (CO5, K2)

Or

(b) Discuss about the application of Yoga for management of Techno-stress. (CO5, K2)

**R1316**

**Sub. Code**

**741NH1**

**M.Ed. DEGREE EXAMINATION, APRIL – 2024**

**Education**

**NME : PSYCHOLOGY OF LEARNING AND HUMAN  
DEVELOPMENT**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective-type questions by choosing the correct option.

1. In the context of educational psychology, what is the significance of the learning environment? (CO1, K2)
  - (a) It has no impact on the learning process.
  - (b) It influences the learner's behaviour and experiences.
  - (c) It only affects the teacher's performance.
  - (d) It is solely determined by the teacher.
2. The knowledge of educational psychology mostly helps the teacher to (CO1, K1)
  - (a) decide general aims of education
  - (b) write specific instructional objectives
  - (c) choose the right instructional approach
  - (d) device good evaluation method

3. Which of the following is a general principle of human growth and development? (CO2, K1)
- (a) Growth and development follow a fixed timetable.
  - (b) The pace of development is consistent across all individuals.
  - (c) Development is primarily determined by environmental factors.
  - (d) Development is a lifelong and dynamic process.
4. According to Jean Piaget, the formal operation stage is during the (CO2, K1)
- (a) Birth through ages 18-24 months
  - (b) Toddlerhood through early childhood
  - (c) Ages 7 to 11
  - (d) Adolescence through adulthood
5. What does the transfer of learning refer to? (CO3, K2)
- (a) Application of knowledge and skills in new situations
  - (b) Memorization of facts
  - (c) Learning through imitation only
  - (d) Recalling the previous knowledge

6. In Gagne's hierarchical theory of learning \_\_\_\_\_ is the first stage of learning. (CO3, K1)
- (a) Stimulus-Response learning
  - (b) Signal learning
  - (c) Concept learning
  - (d) Verbal associative learning
7. Which of the following correct order comes under Maslow's hierarchy of needs? (CO4, K4)
- (a) Self-actualization, safety, love, esteem
  - (b) Physiological need, self-actualisation, esteem, safety
  - (c) Physiological need, safety, love, esteem
  - (d) Physiological need, esteem, self-actualization, love
8. Stanford Binet Scale measures the following attributes of an individual: (CO4, K1)
- (a) Intelligence            (b) Creativity
  - (c) Aptitude                (d) Personality
9. According to Freud, the Super Ego is developed during (CO5, K2)
- (a) latency period        (b) anal period
  - (c) phallic period        (d) none of these
10. Maladjusted children are mostly found in (CO5, K2)
- (a) Broken families        (b) Poor families
  - (c) Both of these          (d) Neither of these

**Part B**

(5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Describe the nature and scope of educational psychology. (CO1, K2)

Or

- (b) Point out the significance of educational psychology to teachers. (CO1, K2)

12. (a) Define the concepts of growth, development, and maturation. (CO2, K2)

Or

- (b) List the characteristics of human growth and development. (CO2, K1)

13. (a) Explain the factors that influence learning. (CO3, K4)

Or

- (b) Write a note on the transfer of learning. (CO3, K1)

14. (a) Describe Guilford's theory of the structure of intellect. (CO4, K2)

Or

- (b) Examine the relationship between creativity and intelligence. (CO4, K4)



15. (a) Explain the role of adjustment and maladjustment in the overall well-being of an individual. (CO5, K2)

Or

- (b) Write a note on the major determinants of personality. (CO5, K1)

**Part C** (5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Write an essay on the evolution of the definition of psychology over time and its significance in understanding human behaviour. (CO1, K2)

Or

- (b) Explain how an understanding of educational psychology enhances teaching practices and contributes to the overall development of students. (CO1, K2)

17. (a) Examine the interplay between nature and nurture in human growth and development with examples. (CO2, K2)

Or

- (b) Elaborate the phases of human development and associated developmental tasks. (CO2, K4)

18. (a) Explain the role of individual differences in the learning process and their implications for educational practices. (CO3, K2)

Or

- (b) Compare and contrast the theories of classical conditioning and operant conditioning, highlighting their strengths and limitations. (CO3, K4)

19. (a) Explain how the theory of Maslow's hierarchy of needs provides insights into human behaviour.  
(CO4, K2)

Or

- (b) Write an essay on the methods used in assessing intelligence.  
(CO4, K1)
20. (a) How do conflict, frustration, and unrest impact mental health and contribute to maladjustment? Elaborate.  
(CO5, K4)

Or

- (b) Define aptitude and explain its types and methods of measurement.  
(CO5, K2)

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**R1317**

**Sub. Code**

**743NM1**

**M.Ed. (Special Education) DEGREE EXAMINATION,  
APRIL – 2024**

**Special Education (Visual Impairment)**

**NME: INTRODUCTION TO DISABILITIES**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. The structural abnormality in the individual is referred as \_\_\_\_\_ (CO1, K1)  
(a) Disease (b) Impairment  
(c) Disability (d) Handicap
2. A handicapped person has difficulty at \_\_\_\_\_ level. (CO1, K1)  
(a) Personal (b) Psychological  
(c) Structural (d) Social
3. The eye disorder 'Macular Degeneration' results in \_\_\_\_\_ (CO2, K1)  
(a) Refractive Error  
(b) Peripheral vision loss  
(c) Central field loss  
(d) Night blindness
4. The middle ear pathology causes \_\_\_\_\_ hearing loss. (CO2, K2)  
(a) Conductive (b) Sensory  
(c) Mixed (d) Pre-lingual

5. The psychological classification of intellectual disability is based on \_\_\_\_\_ (CO3, K2)
- (a) Adaptive Behaviour
  - (b) Intelligent Quotient
  - (c) Social Quotient
  - (d) Educational level
6. Down syndrome is a \_\_\_\_\_ disorder. (CO3, K1)
- (a) Genetic
  - (b) Perceptual
  - (c) Physical
  - (d) Developmental
7. The condition of cerebral palsy in which all four limbs are affected \_\_\_\_\_ (CO4, K2)
- (a) Hemiplegia
  - (b) Diplegia
  - (c) Paraplegia
  - (d) Quadriplegia
8. The type of neuromuscular disorder which is genetic in nature (CO4, K2)
- (a) Epilepsy
  - (b) Muscular Dystrophy
  - (c) Polio
  - (d) Cerebral palsy
9. A child with CHARGE syndrome might have visual disability called \_\_\_\_\_ (CO5, K2)
- (a) Cataract
  - (b) Coloboma
  - (c) Optic atrophy
  - (d) Glucoma
10. TADOMA is a \_\_\_\_\_ method of training the deaf blind. (CO5, K4)
- (a) Tactile
  - (b) Multisensory
  - (c) Vibrotactile
  - (d) Vibrosensory

**Part B**

(5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Discuss the myths and facts about disability. (CO1, K3)

Or

- (b) List down the 21 disabilities as mentioned in the RPWD Act (2016). (CO1, K2)

12. (a) Write a short note on the types of sensory impairment. (CO2, K2)

Or

- (b) Explain the importance of early identification and intervention for the visually impaired. (CO2, K2)

13. (a) Define Intellectual Disability and enumerate its characteristics. (CO3, K1)

Or

- (b) Briefly explain the importance of Behaviour modification programme for the intellectually disabled. (CO3, K2)

14. (a) Enumerate the causes and types of cerebral palsy. (CO4, K2)

Or

- (b) Describe the meaning of orthotics and prosthetics with examples. (CO4, K2)

15. (a) Enlist the causes and characteristics of multiple Disability. (CO5, K2)

Or

- (b) Analyse the types of additional disabilities associated with sensory impairment. (CO5, K4)

**Part C**

(5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Explain the concepts of Impairment, Disability and Handicap with suitable examples. (CO1, K2)

Or

- (b) Discuss any four benchmark disabilities as mentioned in RPWD Act. (CO1, K2)

17. (a) Analyse the components of expanded core curriculum for students with visual impairment. (CO2, K4)

Or

- (b) Explain the strategies to manage speech, language and hearing disorders. (CO2, K2)

18. (a) Discuss briefly the methods of teaching for the intellectually disabled. (CO3, K3)

Or

- (b) Analyse the significant characteristics of children with Autism Spectrum Disorder. (CO3, K4)

19. (a) Assistive Technology plays a crucial role in the lives of individuals with physical disability—Substantiate. (CO4, K4)

Or

- (b) Critically analyse the accommodations and adaptations required for physical disability. (CO4, K5)

20. (a) Review the intervention programmes for the multiple disabled. (CO5, K2)

Or

- (b) Summarize the need and significance of Multi disciplinary Team in the rehabilitation of individuals with multiple disability. (CO5, K5)

**R1318**

**Sub. Code**

**813NM1**

**M.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Yoga**

**NME : HEALTH EDUCATION AND FIRST AID**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective type questions by choosing the correct option.

1. “Health is the quality of life that enables the individual to live most and serve best” according to \_\_\_\_\_.  
(CO1, K1)  
(a) WHO (b) J.M. Williams  
(c) Siddalingaiya (d) Dictionary
2. \_\_\_\_\_ is the sum of experiences which favorably influence habits, attitudes and knowledge. (CO1, K1)  
(a) Education (b) Health Education  
(c) Science (d) None of these
3. Food contains \_\_\_\_\_. (CO2, K2)  
(a) Protein (b) Fats  
(c) Carbohydrates (d) All of these
4. Dietary habits and choices play a significant role in the quality of life and \_\_\_\_\_. (CO2, K2)  
(a) Health (b) Wealth  
(c) Death (d) Growth

5. Junk food contains \_\_\_\_\_. (CO3, K3)
- (a) Saturated fat      (b) Sugar  
(c) Salt                      (d) All the three
6. Food poisoning is the result of \_\_\_\_\_. (CO3, K3)
- (a) Sleeplessness      (b) Eating toxic food  
(c) Smoking              (d) Dehydration
7. \_\_\_\_\_ laceration caused by a projecting surface of an object being dragged over the skin. (CO4, K4)
- (a) Split                      (b) Spin  
(c) Spurn                      (d) None of these
8. The broken bone has not pierced the skin is called \_\_\_\_\_ fracture. (CO4, K4)
- (a) Simple                      (b) Compound  
(c) Complex                      (d) None of these
9. Expansion of RACF \_\_\_\_\_. (CO5, K5)
- (a) Residential Aged Care Facilities  
(b) Recaptured Aged Care Facilities  
(c) Residential Aged Cylindrical Facilities  
(d) None of these
10. \_\_\_\_\_ earthquakes are produced by sudden movement along faults and plate boundaries. (CO5, K5)
- (a) Tectonic                      (b) Volcanic  
(c) Collapse                      (d) Explosion



**Part B**

(5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Write the meaning and definitions of Health Education. (CO1, K1)

Or

- (b) Explain the Health Supervision and Instruction. (CO1, K1)

12. (a) Give an elaborate account on adulteration in food. (CO2, K2)

Or

- (b) Explain in detailed account on obesity and care of skin. (CO2, K2)

13. (a) Write about the meaning of hygiene and its types. (CO3, K3)

Or

- (b) Explain in detailed on balanced diet. (CO3, K3)

14. (a) Explain the rules and importance of first aid. (CO4, K4)

Or

- (b) Explain in detailed on fractures and haemorrhages. (CO4, K4)

15. (a) Explain the explosions and its causes. (CO5, K5)

Or

- (b) Write in detailed note on earthquakes and its types. (CO5, K5)

**Part C**

(5 × 8 = 40)

Answer **all** questions, not more than 1000 words each.

16. (a) Give an elaborate account on concept, spectrum and determinants of health. (CO1, K1)

Or

- (b) Explain in detailed about guiding principles of health and health education. (CO1, K1)

17. (a) Explain the sign and symptoms of Communicable diseases. (CO2, K2)

Or

- (b) Write a detailed account on sign and symptoms of AIDS. (CO2, K2)

18. (a) Explain the meaning of hygiene and its types. (CO3, K3)

Or

- (b) Write about the management of hypertension, obesity and stress. (CO3, K3)

19. (a) Explain in detailed about the concept of emergency. (CO4, K4)

Or

- (b) Explain the following.

(i) Insect bites

(ii) Poisoning

(iii) Drowning (CO4, K4)

20. (a) Explain the about the explosion and famines. (CO5, K5)

Or

- (b) Explain the detailed account of rehabilitation and its needs. (CO5, K5)

**R1319**

**Sub. Code**

**932NM1**

**M.L.I.Sc. DEGREE EXAMINATION, APRIL – 2024**

**Library and Information Science**

**NME : OPEN KNOWLEDGE SYSTEM**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. Find out odd one out: (CO1, K2)  
(a) Special Library (b) College Library  
(c) School Library (d) University Library
2. The terms Digital Libraries and \_\_\_\_\_ are used interchangeable and synonymously. (CO1, K2)  
(a) Virtual library (b) Traditional library  
(c) Electronic library (d) Hybrid library
3. Which of the following is a Secondary source of information? (CO2, K2)  
(a) Journal  
(b) Text book  
(c) Bibliography of Bibliography  
(d) Bibliography
4. Article published in research journal are \_\_\_\_\_. (CO2, K2)  
(a) Reference sources (b) Secondary sources  
(c) Primary sources (d) Tertiary sources

5. What are non- documentary sources? (CO2, K2)  
(a) Which are in printed form?  
(b) Which are in not printed form?  
(c) Which are not documents  
(d) None of these
6. The abbreviation OER stands for —————. (CO2, K2)  
(a) Open Education Resources  
(b) Open Educational Resources  
(c) Open Education Reference  
(d) Open Educational Restrictions
7. Identify odd one out. (CO4, K2)  
(a) Ouriginal (b) ithenticate  
(c) Turnitin (d) Tulips
8. Where can you find i10-Index of an author? (CO4, K2)  
(a) Google Scholar  
(b) Research Gate  
(c) Scopus  
(d) Google Scholar Citations
9. Boolean searching (CO5, K2)  
(a) Is used on computerised database.  
(b) Is based on post coordinate indexing.  
(c) Combines search statements using 'AND'. Or "and  
'NOT'.  
(d) All the above
10. The full form of SEO is (CO5, K2)  
(a) Search Mail Optimisation  
(b) Search Engine Optimisation  
(c) Search E-Mail Optimisation  
(d) Search Engine Operation

**Part B**

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Define the Library and its types. (CO1, K2)

Or

- (b) Discuss the importance of Library portals.(CO1, K2)

12. (a) List out the various digital source of information.  
(CO2, K2)

Or

- (b) Provide an example of a social media application in a library. (CO2, K2)

13. (a) What is writing manual? List out any two-style manual. (CO3, K1)

Or

- (b) Bring out the importance of bibliography in research. (CO3, K1)

14. (a) How should the impact factor be calculated?  
(CO4, K2)

Or

- (b) Write short notes on Google Scholar. (CO4, K2)

15. (a) What is plagiarism? How do avoid it. (CO5, K2)

Or

- (b) Discuss I-Index and H-Index. (CO5, K2)

**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Discuss the functions and objectives of university library. (CO1, K2)

Or

- (b) Discuss various web-based services provided by library. (CO1, K2)

17. (a) Write detailed notes on (CO2, K2)

(i) Open Access Resources

(ii) OER

Or

- (b) Discuss the difference typed of information resources. (CO2, K2)

18. (a) Define Bibliography and describe its various types with examples. (CO3, K1)

Or

- (b) Discuss various reference management tools and its advantages. (CO3, K1)

19. (a) Discuss in brief Plagiarism and its types. (CO4, K2)

Or

- (b) Discuss about the various citation databases. (CO4, K2)

20. (a) Discuss with examples various Search Strategies. (CO5, K2)

Or

- (b) Discuss the concept and process of Information retrieval. (CO5, K2)