

R-4834

Sub. Code

461701

M.Sc. DEGREE EXAMINATION, APRIL 2022

Second Semester

Oceanography & CAS

NME – MARINE RESOURCES

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Describe coastal aquifer.
2. Define cosmogenic.
3. Describe about black smoke.
4. Short note on placer mineral.
5. What is productivity?
6. What is oil sardines?
7. What is bioactive compounds?
8. What is Nitrogenous compound?
9. Define venom.
10. Define carotenoids and give example.

Part B**(5 × 5 = 25)**

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

11. (a) Detail note on renewable resources available in ocean.

Or

- (b) Describe about coastal aquifer and its natural process.

12. (a) Write a detail note on deep sea sediment samplers.

Or

- (b) Describe mineral resources available in west coast of India.

13. (a) Give an account on deep sea fishery resources of India.

Or

- (b) Describe about vessels management and requirement.

14. (a) Narrate the carbonhydrates and derivatives.

Or

- (b) Comment on why marine environment has potential drugs.

15. (a) Toxins and its types.

Or

- (b) Venom in marine animals and give few examples.

Part C**(3 × 10 = 30)**Answer any **three** questions.

16. Write an essay on integrated non-living resources management?
 17. Write an essay on exploration of deep sea deposits.
 18. Describe in detail about capture fisheries resources of India.
 19. Discuss the Source and natural function of bioactive compounds.
 20. Note on functional properties of toxin from marine animals.
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R-4848

Sub. Code

743701

M.Ed. DEGREE EXAMINATION, APRIL 2022

Second Semester

Special Education (Visual Impairment)

**NATURE AND NEEDS OF CHILDREN WITH
DISABILITIES**

(Non-Major-Elective)

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is disability?
2. Expand UNCRPD
3. What is neuro-muscular disability?
4. What is speech therapy?
5. List out the uses of Taylor frame.
6. Distinguish disability and handicap.
7. What are referrals?
8. What is Bharathi Braille?
9. What is nutrition?
10. Define Impairment.

Part B $(5 \times 5 = 25)$ Answer any **five** questions.

11. Explain the types and characteristics of hearing impairment.
12. Give a detailed account on accessible Indian Campaign.
13. What are multiple disabilities?
14. Explain recent trends in special education.
15. Write short notes on RPWD Act 2016.
16. Explain orientation and mobility.
17. Evaluate the uses of screening software?
18. Explain the social and educational needs of children with disability.

Part C $(3 \times 10 = 30)$ Answer **all** questions choosing either (a) or (b).

19. (a) Evaluate the measures to prevent disabilities in detail.

Or

- (b) Point out the various adaptations in the disability area.
20. (a) Describe the types of disabilities as per PWD Act 1995.

Or

- (b) Enlist the various causes of disabilities.

21. (a) Explain the definition, type, and characteristics of visual impairment.

Or

- (b) Discuss about the behavioural modification techniques for children with intellectual and neuro developmental disabilities.
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R-5318

Sub. Code

303701

B.Voc. DEGREE EXAMINATION, APRIL 2022.

Second Semester

Fashion Technology

NME – FASHION DESIGNING

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. Define fashion.
2. Name any six fashion designers and their signature collections.
3. Define line and its types.
4. Write about the importance of principles of design.
5. Draw any six neck lines and name them.
6. Write the definition of fullness and its types.
7. Draw any five types of plackets.
8. Define gathers and frills or ruffles.
9. Write the importance of body measurement.
10. Define pattern grading and why it is used.

Part B

(5 × 5 = 25)

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

11. (a) Describe Fashion and its cycle.

Or

- (b) Discuss the requirements of a good structural and decorative design.

12. (a) Explain the principles of design.

Or

- (b) Explain the application of the elements of design.

13. (a) Draw any four types of darts, tucks and pleats.

Or

- (b) Explain the essential sewing tools used for garment construction.

14. (a) Mention the three types of yoke and the pattern construction involved in it.

Or

- (b) Explain designing of collars and its types in detail.

15. (a) Explain the methods of pattern making.

Or

- (b) Briefly discuss about the principles of pattern making.

Part C

(3 × 10 = 30)

Answer any **three** questions (Draw diagrams wherever necessary).

16. Elaborate design development, concepts and its applications.
 17. Elaborate design and elements.
 18. Explain fullness and its types in detail.
 19. Elaborate types of collar and factors to be considered in designing the collar.
 20. Elaborate the principles of pattern grading and dart manipulation.
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R-5319

Sub. Code

304701

M.Voc. DEGREE EXAMINATION, APRIL 2022.

Second Semester

Software Development

NME – WEB DESIGNING

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. Define Protocol.
2. Illustrate the structure of Internet Growth.
3. What is FTP?
4. Write a note on hyperlinks.
5. Define HTML.
6. Write the syntax of embedding audio in HTML.
7. List the operator available in Java script.
8. What is event?
9. Why Bootstrap?
10. What is base CSS?

Part B

(5 × 5 = 25)

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

11. (a) How data passes through layers? Explain.

Or

- (b) Discuss about text to multimedia sharing technique.

12. (a) Write in detail about URL.

Or

- (b) Describe about mail access protocols.

13. (a) Explain the structure of HTML.

Or

- (b) Discuss about Table structure and its properties in HTML.

14. (a) Write in detail about control statements in Java script.

Or

- (b) Discuss about event handling methods.

15. (a) How do you include Bootstrap in HTML file?

Or

- (b) Discuss about customizing the base CSS.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Discuss in detail about protocol suites and layering models.

17. Explain about Browser architecture with neat sketch.

18. Write a detailed note on HTML forms and suitable example.
 19. Describe button handling elements in Java Script.
 20. Write the procedure for implementing the Bootstrap base CSS.
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R-5320

Sub. Code

411701

M.A. DEGREE EXAMINATION, APRIL 2022

Second Semester

தமிழ்

NME – தமிழ் கற்றல் கற்பித்தல் நெறிகள்

(Learning Teaching Method of Tamil)

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

பகுதி அ

(10 × 2 = 20)

அனைத்து வினாக்களுக்கும் ஓரிரு வரிகளில் விடை தருக.

1. 'தமிழென் கிளவியும் அதனோரற்றே' என்னும் நூற்பா இடம்பெறும் நூல் எது?
2. உயிரெழுத்துகளின் வகைகள் எத்தனை?
3. குருகுலக் கல்வியின் நிறைகள் இரண்டினைக் குறிப்பிடுக.
4. பொது அறிவு என்றால் என்ன?
5. கற்பித்தல் என்பதன் பொருள் வரையறை தருக.
6. உச்சரிப்பு என்றால் என்ன?
7. மரபு என்றால் என்ன?
8. பதிவிறக்கம் என்றால் என்ன?
9. குமரப்பருவம் என்றால் என்ன?
10. உளவியல் என்றால் என்ன?

அனைத்து வினாக்களுக்கும் ஒரு பக்க அளவில் விடை தருக.

11. (அ) தமிழ் எழுத்துகளின் பிறப்பினை விளக்கி எழுதுக.

(அல்லது)

(ஆ) பேச்சொலியில் உடல் இயக்கவியலின் செயல்பாட்டினை விளக்குக.

12. (அ) பொருளுணர்ந்து கற்றல், பொருளுணராக் கற்றல் குறித்து எழுதுக.

(அல்லது)

(ஆ) பன்னாட்டுக் கற்பித்தல் முறையின் கூறுகள் யாவை? விளக்குக.

13. (அ) கற்பித்தலில் உத்தி முறைகள் பெறுமிடத்தினை ஆராய்க.

(அல்லது)

(ஆ) மாணவர்களின் கற்றல் திறனில் வகுப்பறைச் சூழல் இடம்பெறும் திறனைக் கூறுக.

14. (அ) மாணவர்களின் தொடர்புத் திறனை வளர்த்தெடுக்கும் காரணிகளைப் பட்டியலிடுக.

(அல்லது)

(ஆ) கற்பித்தல் முறையில் பயிற்றுக் கருவிகளின் பங்களிப்பினை விளக்குக.

15. (அ) குழந்தைப் பருவத்திலிருந்து குமரப் பருவம் வரை மாணவருக்கு நிகழும் அறிவு வளர்ச்சியை விளக்குக.

(அல்லது)

(ஆ) 'கல்வி உளவியல்' ஆசிரியருக்கு எவ்வாறு உதவுகிறது? தெளிவுபடுத்துக.

எவையேனும் மூன்று வினாக்களுக்குக் கட்டுரை வடிவில் விடை தருக.

16. தமிழ் மொழியின் தோற்றம், வளர்ச்சி குறித்துக் கட்டுரை வரைக.
17. குருகுலக் கல்வி முறைக்கும் நவீனக் கல்வி முறைக்கும் உள்ள நன்மை, தீமைகளை ஆராய்க.
18. கருத்து வெளிப்பாட்டில் பொது அறிவின் தேவை குறித்து ஆராய்க.
19. நவீன வகுப்பறைச் சூழலுக்குப் பயிற்றுக் கருவியின் பங்கினை விரித்துரைக்க.
20. வகுப்பறை மேலாண்மையில் உளப்பகுப்பாய்வு அணுகுமுறைகளின் தேவை குறித்துக் கட்டுரை வரைக.

R-5321

Sub. Code

411702

M.A. DEGREE EXAMINATION, APRIL 2022

Second Semester

தமிழ்

NME – நாட்டுப்புறவியல் (Folklore)

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

பகுதி அ

(10 × 2 = 20)

அனைத்து வினாக்களுக்கும் ஒரிரு வரிகளில் விடை தருக.

1. நாட்டுப்புறம் – நாட்டார் விளக்குக.
2. தாலாட்டு, ஒப்பாரிப் பாடல்களின் ராகத்தையும் காலத்தையும் குறிப்பிடுக.
3. நாட்டுப்புறக் கதைகள் மூன்றின் பெயரினைக் கூறுக.
4. பழமொழி என்றால் என்ன?
5. நாட்டுப்புற மகளிர் விளையாட்டுகள் நான்கின் பெயரினைக் கூறுக.
6. வில்லுப்பாட்டுக் கலைஞர்கள் மூவரின் பெயரினைக் கூறுக.
7. நாட்டுப்புற ஆண்கள் மருத்துவம் என்றால் என்ன? இரண்டின் பெயரினைக் கூறுக.
8. நாட்டுப்புற மூலிகைச் செடிகள் ஐந்தினைக் கூறுக.
9. நாட்டுப்புறப் பழக்கவழக்கங்கள் நான்கினைக் கூறுக.
10. நகர்சார் நாட்டுப்புறம் என்றால் என்ன?

அனைத்து வினாக்களுக்கும் ஒரு பக்க அளவில் விடை தருக.

11. (அ) வட்டார வழக்கு என்றால் என்ன? விளக்குக.
(அல்லது)
(ஆ) நாட்டுப்புறவியலின் வகைகள் யாவை? விளக்குக.
12. (அ) தெம்மாங்குப் பாடல்களில் காதல் பாடல் பெறும் இடத்தை மதிப்பிடுக.
(அல்லது)
(ஆ) பழமொழியின் வரையறையும் அதன் சிறப்புகளும் குறித்து விளக்குக.
13. (அ) சிலம்பாட்டம் என்றால் என்ன? அதன் இன்றியமையாமை குறித்து விளக்குக.
(அல்லது)
(ஆ) நிகழ்த்துக்கலைகள் என்றால் என்ன? அதன் தனித்தன்மைகளை எடுத்துரைக்க.
14. (அ) நாட்டுப்புற மகளிர் மருத்துவம் குறித்து விளக்கி எழுதுக.
(அல்லது)
(ஆ) நாட்டுப்புறக் கால்நடை மருத்து முறை குறித்துச் சான்றுகளுடன் விளக்கி எழுதுக.
15. (அ) நாட்டுப்புறச் சடங்குகள் மக்களை முன்னேற்றத்திற்கு இட்டுச் செல்கிறதா? என்பதை ஆராய்க.
(அல்லது)
(ஆ) நாட்டுப்புற ஊர்பெயர்களின் சிறப்புகளையும் அதன் தனித்தன்மைகளையும் பட்டியலிடுக.

எவையேனும் மூன்று வினாக்களுக்குக் கட்டுரை வடிவில் விடை தருக.

16. நாட்டுப்புறவியலின் இன்றைய தேவையும் அதனால் விளையும் நன்மை, தீமைகளை விவரிக்க.
17. நாட்டுப்புற மக்களிடம் கதைப்பாடல்கள் பெற்றிருக்கும் செல்வாக்கினைத் தக்க சான்றுகளுடன் நிறுவுக.
18. நாட்டுப்புற விளையாட்டுக்கள் குறித்துக் கட்டுரை வரைக.
19. நாட்டுப்புறக் கலைகள் மூலம் சமூகத்தில் ஏற்பட்டுள்ள மாற்றங்களைக் கட்டுரை வடிவில் விவரிக்க.
20. நாட்டுப்புற விழாக்கள் குறித்துக் கட்டுரை வரைக.

R-5322

Sub. Code

415701

M.A. DEGREE EXAMINATION, APRIL 2022.

Second Semester

History

NME - HISTORY FOR COMPETITIVE EXAMINATIONS

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions in about a sentence or two each.

1. Numismatics.
2. Chalcolithic.
3. Lothal.
4. Magadha.
5. Iltutmish.
6. Battle of Khanwa (1527).
7. Dayanandha Saraswati.
8. Indigo Rebellion.
9. Simon Commission.
10. Cultural and Educational Rights of Minorities.

Part B

(5 × 5 = 25)

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

11. (a) Explain the Social conditions under the Early Vedic period.

Or

- (b) Discuss the importance of Kalinga War.

12. (a) Enumerate the development of Education under Guptas.

Or

- (b) Explain the political impact of North India after the Ghazni Invasion.

13. (a) Narrate the administrative structure of Delhi Sultanate.

Or

- (b) Discuss the contributions of Vijayanagar to art and architecture.

14. (a) Analyze the steps taken by Akbar for Political Consolidation of Northern India.

Or

- (b) What were the circumstances responsible for birth of Indian Nationalism?

15. (a) Explain the Salt Satyagraha.

Or

- (b) Discuss the Fundamental Duties.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Write an essay on Mahajanapadas.
 17. Critically analyze the socio-economic conditions of Gupta Period.
 18. Examine the circumstances responsible for Disintegration of Mughal rule.
 19. Narrate the factors responsible for 1857 Revolt.
 20. Analyze the salient features of Indian Constitution.
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R-5323

Sub. Code

452701

M.S.W. DEGREE EXAMINATION, APRIL-2022.

Second Semester

NME- SOCIAL ENTREPRENEURSHIP

(CBCS – 2019 onwards)

Time: 3 Hours

Maximum: 75 Marks

Part A

(10 × 2 = 20)

Answer all the questions.

All questions carry equal marks.

1. Define: Entrepreneurship.
2. What are the skills required to be an entrepreneur?
3. List four factors influencing Entrepreneurial growth.
4. What is meant by Environmental Assessment?
5. What are Self Help Groups?
6. What is Women Empowerment?
7. List any four importance of Book Keeping.
8. What is Customer Relationship Management?
9. Expand: SIDBI, CII.
10. What are Micro enterprises?

Part B

(5 × 5 = 25)

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

All questions carry equal marks.

11. (a) Write a brief note on the skill required to be an effective entrepreneur.

Or

- (b) Explain the importance determinants of Entrepreneurial success.

12. (a) Elucidate the steps in developing an Entrepreneurial Plan.

Or

- (b) Environmental Assessment are vital elements of Social Entrepreneurship - Substantiate.

13. (a) Critically analyse the structural challenges faced by Women Entrepreneurs in India.

Or

- (b) Explain the importance of Small Scale Industries in Economic Development.

14. (a) Discuss the process in identifying a viable business opportunity.

Or

- (b) Elaborate the importance of Documentation for success business enterprise.

15. (a) Discuss the role and functions of National Small Industries Corporation.

Or

- (b) Explain the significance contributions made by National Research and Development Corporation.

Part C

(3× 10 = 30)

Answer any **three** questions.

All questions carry equal marks.

16. Discuss the various developmental models in Social Entrepreneurship.
 17. Evaluate the role played by NGOs in promoting Social Entrepreneurship.
 18. Analyse the contributions of Rural Entrepreneurs to economic growth and development.
 19. Discuss the challenges faces by Social Entrepreneurs in India and suggest measure to overcome such challenges.
 20. Critically analyse the existing support system for Social Entrepreneurs in India.
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R-5327

Sub. Code

515701

M.A. DEGREE EXAMINATION, APRIL 2022.

Second Semester

Journalism and Mass Communication

**NME- COMMUNICATION AND PRESENTATION
SKILLS**

(CBCS – 2019 onwards)

Time: 3 Hours

Maximum: 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is communication?
2. Explain the various types of skills.
3. Explain the different types of meetings.
4. Write about the types of reading.
5. Write down the characteristics of interview.
6. Explain the types of resumes.
7. Note down the importance of report writing.
8. Explain the notable characteristic of a memo.
9. Write down the differences of a covering letter and resume.
10. Write the types of communication.

Part B

(5 × 5 = 25)

Answer **all** of the following questions, choosing either (a) or (b).

11. (a) Explain the importance of communication.

Or

- (b) Write a short note about the barriers to communication.

12. (a) Critically examine the role of nonverbal communication in our day to day life.

Or

- (b) Explain the purpose and process of communication.

13. (a) Elaborate the importance of oral communication skills in the modern era.

Or

- (b) Write about the importance of time management in a meeting.

14. (a) Explain the role of body languages and pronunciation in a presentation.

Or

- (b) Write the importance guidelines for a circular writing.

15. (a) Prepare a notice for a programme conducted in your college.

Or

- (b) Explain the types of reports.

Part C

(3 × 10 = 30)

Answer any **three** of the following questions.

16. Discuss the importance of report writing and list out the types of report.
 17. Describe the importance of a cover letter with its different types.
 18. Elaborate the importance of communication skills for a media person.
 19. Discuss the role improving listening and reading skills in life.
 20. Prepare twelve questions for interviewing a celebrity.
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R-5328

Sub. Code

551701

M.Sc. DEGREE EXAMINATION, APRIL-2022.

Second Semester

Computer Science

NME – OFFICE AUTOMATION

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is Icon?
2. Is it possible to rename a file? If yes, how?
3. You have modified a document. However, you decided not to save the modified version? What will you do?
4. What is meant by font?
5. How can you change the height of a row in a worksheet?
6. What is function?
7. What is Query?
8. What is the purpose of report wizard?

9. How can you close a presentation?
10. Give any two features of Outlook.

Part B

(5 × 5 = 25)

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

11. (a) Write a short notes on Recycle bin.

Or

- (b) Give a procedure to create and save a document.

12. (a) Describe the find and replace feature in MS-Word.

Or

- (b) What is a header and a footer?

13. (a) Describe the different ways to edit a call.

Or

- (b) How can you move and copy the contents of call?

14. (a) What is primary key and secondary key? Give an example for each.

Or

- (b) What are database objects?

15. (a) What are the elements of slide? Explain.

Or

- (b) Give the procedure to insert pictures in slides.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. What are the stages to open the following accessories and write their uses?
 - (a) Notepad
 - (b) Paint
 - (c) Calculator
 17. Describe the different ways available to edit a document.
 18. Give the syntax and explain any five functions available in Excel.
 19. What are the different types of Reports available in Access? Explain.
 20. How is Power Point useful in presentations? Also write a note on the different views in Power Point.
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R-5330

Sub. Code

711701

B.Ed. DEGREE EXAMINATION, APRIL 2022.
Second Semester

Education

NME – PSYCHOLOGY OF TEACHING AND LEARNING PROCESS

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Mention the difficulties in observational method.
உற்றுநோக்கல் முறையில் உள்ள சிரமங்களை குறிப்பிடுக.
2. Write about structuralism.
கட்டமைப்பு வாதம் பற்றி எழுதுக.
3. What is emotional maturity?
மனவெழுச்சிப் பக்குவம் என்றால் என்ன?
4. Why is moral development important?
ஏன் தார்மீக வளர்ச்சி முக்கியமானது?
5. What is meant by remembering?
நினைவு கூர்தல் என்றால் என்ன?
6. State the characteristics of good memory.
நல்ல நினைவாற்றலின் குணநலன்களை எழுதுக.
7. Mention the significance of motivation in learning.
கற்றலில் ஊக்குவித்தலின் முக்கியத்துவத்தை குறிப்பிடுக.
8. Write about Drive Reduction Theory.
இயக்கி குறைப்பு தத்துவத்தைப் பற்றி எழுதுக.
9. Enumerate the characteristics of intelligence.
நுண்ணறிவின் குணநலன்களை வரிசைப்படுத்துக.
10. What is personality development?
ஆளுமை வளர்ச்சி என்றால் என்ன?

Part B**(5 × 5 = 25)**Answer any **five** questions.

11. Explain the nature and scope of psychology.
உளவியலின் இயல்பு மற்றும் பயனை விளக்குக.
12. Describe the role of family in adolescent development.
குடும்பநிலை வளர்ச்சியில் குடும்பத்தின் பங்கினை விவரி.
13. Explain the characteristics of early childhood.
ஆரம்ப குழந்தைப் பருவத்தின் குணநலன்களை விவரி.
14. Write about memory span and its importance.
நினைவக இடைவெளியைப் பற்றி எழுதி அதன் பயன்களையும் குறிப்பிடுக.
15. What are the characteristics of motivation?
ஊக்குவித்தலின் குண நலன்கள் யாவை?
16. Describe the causes of forgetting.
மறத்தலின் காரணங்களை விவரிக்க.
17. Classify and explain intelligence.
நுண்ணறிவை வகைப்படுத்தி விளக்குக.
18. Explain the factors affecting personality.
ஆளுமையை பாதிக்கும் காரணிகளை விளக்குக.

Part C**(2 × 15 = 30)**Answer **all** questions, choosing either (a) or (b).

19. (a) Explain about the methods of educational psychology.
கல்வி உளவியலின் முறைகளைப் பற்றி விளக்குக.

Or

(b) Discuss the role of schools, neighborhood and community in development of adolescence.
குடும்பநிலை வளர்ச்சியில், பள்ளி, சுற்றுப்புறம் மற்றும் சமுதாயத்தின் பங்கினை விவாதிக்க.
20. (a) What are the characteristics of motivation? Discuss the strategies for motivation in classroom.
ஊக்குவித்தலின் குணநலன்கள் யாவை? வகுப்பறை ஊக்குவித்தலுக்கான யுக்திகளை விவாதிக்க.

Or

(b) Discuss the methods to measure of intelligence.
நுண்ணறிவை அளப்பதற்கான முறைகளை விவாதிக்க.

R-5334

Sub. Code

932701

M.L.I.Sc. DEGREE EXAMINATION, APRIL 2022.

Second Semester

Library and Information Science

NME — LITERATURE SEARCH TECHNIQUES

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

All questions carry equal marks.

1. Define – Literature Search.
2. What are the skills required for effective literature search?
3. Define – offline vs online.
4. What are the types of literature search?
5. Institutional Repositories.
6. Define – Digital Archives.
7. How do you retrieve online sources?
8. Write short notes on the Internet.
9. Briefly explain the need for online sources.
10. What are the information sources?

Part B

(5 × 5 = 25)

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

11. (a) Write about literature search importance and scope in detail.

Or

- (b) Discuss the information retrieval search.

12. (a) Outline the use fullness of tools and techniques of literature search.

Or

- (b) Outline the usefulness of retrospective search.

13. (a) Explain the role of searching in house database.

Or

- (b) What are the advantages of OPAC?

14. (a) Distinguish between online resources and web resources.

Or

- (b) Explain the search and retrieval methods of Internet resources.

15. (a) State the print and online information.

Or

- (b) What are the techniques used for evaluating the print information sources?

Part C

(3 × 10 = 30)

Answer **any three** questions out of five.

16. Explain the role of skills required of effective literature search.
 17. What are the tools used in literature search and explain it?
 18. Write in detail about institutional repositories.
 19. What are the open source resources in the library and explain it?
 20. State the methods of effective manner in online information sources.
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R-5335

Sub. Code

811701

M.P.Ed. DEGREE EXAMINATION, APRIL 2022.

Second Semester

Physical Education

NME — FITNESS AND SPORTS TRAINING

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer any **ten** questions.

1. Define sports training.
2. What is load?
3. What is explosive strength?
4. Define flexibility.
5. What is macro cycle?
6. Define periodization.
7. What is meant by free hand training?
8. Write down any two physical fitness tests.
9. What is movement analysis?
10. Define cardiovascular fitness.
11. What is meant by adaptation?
12. Define Interval Training.

Part B

(5 × 5 = 25)

Answer any **five** questions.

13. What are the objectives of sports training? Explain.
14. Describe about loading principles.
15. Explain the methods to improve speed.
16. Write a note on the importance of training cycles.
17. Explain the means and methods of circuit training.
18. What are the types of motor fitness tests? Explain any one.
19. What are the types of periodization? Explain.
20. Explain the methods of developing strength endurance.

Part C

(3 × 10 = 30)

Answer any **three** questions.

21. What are the principles of sports training? Explain.
22. Enumerate the significance of training methods and the ways to improve endurance.
23. Discuss in detail – ‘Components of Periodization’.
24. Describe the means and methods of weight training.
25. Describe about the administration, scoring and interpretation of movement analysis.

R7003

Sub. Code

301702

B.Voc. DEGREE EXAMINATION, APRIL – 2022

Fashion Technology

NME : ORGANIZATION OF GARMENT UNIT

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Who is an Entrepreneur?
2. What is business planning process?
3. What is fit sample?
4. What is role of merchandising department?
5. What are the advantages of export business?
6. State the different section of a clothing factory.
7. What is product layout?
8. What is the role training department in a clothing factory?
9. Describe the term functions of commercial banks?
10. What do you mean by Export?

Part B

(5 × 5 = 25)

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

11. (a) Write down the different types of Entrepreneurship.

Or

- (b) Explain the costing method for the fabric cutting department.

12. (a) Explain the functions of KVIC.

Or

- (b) Explain about the functions of SIPCOT.

13. (a) Enumerate the advantages of commercial banks.

Or

- (b) Describe the role of NSIC.

14. (a) Explain about the letter of credit.

Or

- (b) Explain about functions of store department.

15. (a) Write a shot notes about the export documentation.

Or

- (b) What are the objectives of export financing?

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Elaborate the functions of Entrepreneur?
 17. Explain the functions of DIC.
 18. Explain about role of purchase department in a clothing factory
 19. Explain about the different types of building
 20. Explain about the Logistics and shipping documentation for garments exports.
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R7004

Sub. Code

414701

**M.A. (THEATRE AND FILM STUDIES) DEGREE
EXAMINATION, APRIL – 2022**

NME : STREET THEATRE

(CBCS –2020 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What does street theatre mean?
2. Explain the orgine of Street Theatre.
3. Write a note on the props and set used for street plays.
4. Mention the lenth and end of street theatre.
5. State any two street play groups from Tamil Nadu.
6. Mentions any two types of contact methods in Street Play?
7. What does it mean by Poor theatre?
8. Explain the role about women artists in Street play.
9. Mention any two names of contemporary street plays.
10. How is the content of a Street play constructed?

Part B

(5 × 5 = 25)

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

11. (a) Street theatre aims for a social change. Justify.

Or

- (b) Explain, Street theatre as a Entertainment.

12. (a) Write a note on the interruptions made by the street theatre audience?

Or

- (b) How Street play attracting audience? Explain.

13. (a) Brief the practicalities of processions in street theatre.

Or

- (b) Write a note on Staying in Character.

14. (a) Explicate the noted performers in street theatre.

Or

- (b) Describe the opposing tendencies of Street Theatre.

15. (a) Examine the effects of new technology on street theatre.

Or

- (b) Describe “Public relation” in Street Theatre.

Part C

(3 × 10 = 30)

Answer any **three** of the following questions in detail.

16. Elaborate the history of Tamil street theatre.
17. Write a brief note about Interruption in Street Theatre.

18. Explain in detail few tactics used during performance in Street Theatre.
 19. List out the pre-preparations to be exercised before enacting a street play.
 20. Discuss about economic situation in Street Theatre.
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R7005

Sub. Code

452702

M.S.W. DEGREE EXAMINATION, APRIL – 2022

Social Work

COUNSELLING THEORY AND PRACTICE

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. Define: Counselling.
2. Write any two objectives of counselling.
3. What are the qualities of an effective counsellor?
4. What do you mean by Reality Therapy?
5. What is counter transference?
6. What do you mean by Community counselling?
7. What are the different types of counselling?
8. Define: REBT.
9. Write any two counselling techniques.
10. What is FCC in the counselling profession?

Part B

(5 × 5 = 25)

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

11. (a) Explain Rational Emotive Therapy.
Or
(b) Write a short note on the counselling relationship.
12. (a) Discuss the importance of counselling in mental health.
Or
(b) Explain Existential Counselling.
13. (a) Write a short note on goal setting in counselling.
Or
(b) Write a short note on the technique of counselling.
14. (a) Write a short note on the skills of a counselor.
Or
(b) Stress the importance of counselling for children.
15. (a) Discuss the importance of counselling among vulnerable social groups.
Or
(b) Discuss the Do's and don'ts in counselling.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Do you think counselling helped people during COVID19?
- Discuss.
17. Elaborate on the process of counselling.

18. Discuss the Humanistic theories of counselling.
 19. Write an essay on counseling practice of counseling in different setting.
 20. Elucidate the relevance of counselling as a social work practice.
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R7006

Sub. Code

453702

M.A. DEGREE EXAMINATION, APRIL – 2022

Integrated Home Science

NME : HOME TEXTILES

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Home textiles.
2. What are the properties required for home textiles?
3. List out the functions of sun filters.
4. What are the different types of curtains?
5. Write the purpose of Table mats.
6. Write about the kitchen textiles.
7. What is the difference between bath towels and beach towels?
8. Define Tufted earpets.
9. Mention the uses of microbial finish.
10. How to manage moisture parameters in home textiles?

Part B

(5 × 5 = 25)

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

11. (a) Discuss the needs of Textiles at home.

Or

- (b) Write about the scope of textile for furnishing and upholstery applications.

12. (a) Elaborate the recent trends in bed room textiles.

Or

(b) Write about the importance of curtain fabrics.

13. (a) Give a short notes on functions of colours in table cloths.

Or

(b) Construction and manufacturing of Tea cosy-
Explain it.

14. (a) Write a short notes on Bathrobe and floor mat.

Or

(b) Briefly explain the floor covering and its types.

15. (a) Discuss the Evaluation methods of temperature regulating beddings in home textiles.

Or

(b) Write the names of Test methods for Towels, rugs and explain it.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. What are the different types of home textile products –
Explain it.

17. Summarize the uses of blankets and rugs in bed room
textiles.

18. Write an essay on varieties of tablecloths and its
functions.

19. Explain the applications of home textiles in bathroom.

20. Elaborate the finishes and quality parameters used in
Home textiles.

R7007

Sub. Code

455701

M.A. DEGREE EXAMINATION, APRIL – 2022

Economics

**NME — ECONOMICS FOR COMPETITIVE
EXAMINATIONS**

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

All questions carry equal marks.

1. Define per capita income.
2. List any two problems of high birth rate.
3. Define economic planning.
4. What is meant by privatization?
5. What are the components of new economic policy?
6. State industrial policy.
7. Define fiscal policy.
8. List any two objectives of fiscal policy.
9. What is foreign trade?
10. Expand the GATT and SAARC.

Part B

(5 × 5 = 25)

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

All questions carry equal marks.

11. (a) Describe the methods of calculating national income.

Or

- (b) Illustrate the theory of demographic transition.

12. (a) Prepare a note on history of planning in India.

Or

- (b) Show the types of planning.

13. (a) Explain the major problems of agriculture sector during Covid-19 period.

Or

- (b) Interpret the contribution of industrial sector in Tamil Nadu economy.

14. (a) Asses the performance of co-operative Banks.

Or

- (b) Argue the advantages and disadvantages of GST.

15. (a) Describe the exchange rate policy.

Or

- (b) Discuss the merits and demerits of MNCs.

Part C

(3 × 10 = 30)

Answer any **three** questions.

All questions carry equal marks.

16. Analyze the consequences of the growth of population after independence in India.
17. Examine the globalization with its merits and demerits.
18. Discuss the impact of new economic policy in Indian industrial sector.
19. Give a critical appraisal of the functions of RBI in India.
20. Elucidate the role of WTO in foreign trade.

R7008

Sub. Code

464701

M.Sc. DEGREE EXAMINATION, APRIL – 2022

Applied Geology

NME : DISASTER MANAGEMENT AND MITIGATION

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

Each question carries equal marks.

1. Define Vulnerability.
2. Define Disaster.
3. What is Risk Reduction?
4. What is Climate change Adaption?
5. What is Disaster Damage Assessment?
6. Define Flood.
7. Write any two manmade disasters.
8. Define Hazard.
9. What is Coastal Flooding?
10. What is Meteorological Drought?

Part B

(5 × 5 = 25)

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

11. (a) Explain various type of disaster with example.

Or

- (b) Explain the causes and occurrence of Earthquake.

12. (a) Discuss about prevention and preparedness in Disaster Risk Reduction.

Or

- (b) Explain the role and responsibilities of State and Central in Disaster Management.

13. (a) Explain the vulnerability need to be consider in mapping the changes in Land use / Land cover.

Or

- (b) Explain the adaptation of appropriate technology and local resource for disaster management in India.

14. (a) Explain the Waste Management and Institutional Arrangements during Disaster Relief Phase

Or

- (b) Explain the role of GIS in Preparedness and Risk Reduction.

15. (a) Discuss Earthquake Vulnerability Assessment with example.

Or

- (b) Write short note on Drought Assessment with Indian example.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Describe Landslide and its classifications, causes, and impacts.
 17. Describe in detail about Disaster cycle with sketch.
 18. Describe the vulnerable factors need to consider for development of Dam and Embankment projects.
 19. Explain the role of GIS and Information Technology components in response and recovery phases of Disaster.
 20. Describe and Distinguish Fluvial and Pluvial flooding with example.
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R7009

Sub. Code

508703

M.Sc. DEGREE EXAMINATION, APRIL – 2022

Biomedical Sciences

NME : MEDICAL ONCOLOGY

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Integrins play important roles in —————.
 - (a) Cell proliferation, apoptosis, tissue repair
 - (b) Replication fork formation and repair
 - (c) Transcription and post transcriptional events
 - (d) Translation and post translational events

2. Angiogenesis is the process, by which new blood vessels form, allowing the delivery of ————— to the body's tissue.
 - (a) O₂
 - (b) CO₂
 - (c) Hemoglobin
 - (d) Calcium ions

3. A ————— tumour can grow but will not spread
 - (a) Benign
 - (b) Malignant
 - (c) Metabolized
 - (d) Neural

4. _____ indicates, that the cancer spreads to different parts of body, from which it started.
- (a) metastatis (b) metasepsis
(c) metabolism (d) localization
5. Oncogenic mutations may be the result of _____ radicals of exogenic or endonetic origin.
- (a) Free (b) Oxidized
(c) Dehydrogenaed (d) Hydrated
6. _____ is the death of body tissue.
- (a) Necrosis (b) Chlorosis
(c) Tissosis (d) Phyrosis
7. 'PET' stands for _____.
- (a) Positron Emission Tomography
(b) Position Emission Tomography
(c) Proton Emission Tomography
(d) Positive Emission Tomography
8. _____ is a nanoparticle, that arrest cancer cells from dividing
- (a) Abraxane (b) Albandaxane
(c) Abrazone (d) Ablazone
9. Sipuleucel T vaccine can treat _____ cancer.
- (a) Prostrate (b) Melanoma
(c) Bladder (d) Breast
10. Immunotherapy is a type of _____ therapy.
- (a) Biological (b) Physical
(c) Chemical (d) Synthetic

Part B

(5 × 5 = 25)

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

11. (a) Highlight the mechanism of degranulation of cell cycle during cancer with a neat sketch.

Or

- (b) State the specific role and interactions of ligands and receptors in cell cycle.

12. (a) Classify and discuss about the types of tumour.

Or

- (b) Cite respective examples and criticize the types of chromosomal translocations.

13. (a) Evaluate the role of oncogenic mutations in growth promoting proteins.

Or

- (b) Mutation causes loss of cell cycle control - Justify your answer.

14. (a) How nanoparticles play specific role in diagnosing cancer?

Or

- (b) Discuss the considerations and events of anti-cancer delivery systems.

15. (a) List out the characteristic features and examples of cancer vaccines.

Or

- (b) Conventional chemotherapy is important for cancer patients - Justify your answer.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Evaluate the overall process and sequential events occur during cell-cell interactions in a schematic format.
 17. Identify and enumerate the overall relationship between oncogene products and growth products with good examples.
 18. Highlight the importance of oncogenes and tumour suppressor genes.
 19. Suppose if a person is affected with cancer and in continuous treatment, state the drug targeting events and anti-cancer delivery systems occur in that patient.
 20. Nowadays cancer therapy systems show great advancements in the field of medicine – Analyze.
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R7010

Sub. Code

509701

M.Sc. DEGREE EXAMINATION, APRIL – 2022

Zoology

NME : IMMUNOLOGY

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

All questions carry equal marks.

1. Spleen
2. Epitopes
3. Cytotoxic cells
4. Hematopoiesis
5. Silk gland
6. Rheumatoid arthritis
7. Bruton's syndrome
8. Xenograft
9. RIA
10. Immunoprecipitation

Part B

(5 × 5 = 25)

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

All questions carry equal marks.

11. (a) Illustrate the structure and functions of thymes.

Or

- (b) Describe the antigen antibody integration.

12. (a) Write a note on antigen presenting cells.

Or

(b) Distinguish cell mediated and humoral immunity.

13. (a) Give an account on immunoprophylaxis.

Or

(b) Describe about attenuated vaccines.

14. (a) List out the infectious diseases and its mitigations.

Or

(b) Discuss about tumor immunology.

15. (a) Give an account on antibody generation.

Or

(b) Explain the principles and applications of flow cytometry.

Part C

(3 × 10 = 30)

Answer any **three** questions.

All questions carry equal marks.

16. Describe the molecules of immune system.

17. Explain the structure and functions of immune cells.

18. Discuss about humoral immune response of immune system.

19. Write an essay on major histocompatibility complex.

20. Explain the principle and application of ELISA.

R7011

Sub. Code

518701

M.A. DEGREE EXAMINATION, APRIL – 2022.

Life Skill Education

NME: LIFE SKILL EDUCATION

(CBCS – 2021 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What are Survival skills?
2. List out the skills comes under life skills.
3. Why are life skills?
4. Mention the key outputs of UN Inter Agency meeting.
5. Define: Empathy.
6. What do you mean by self esteem?
7. Define Creative thinking. Give examples.
8. Write short note on concept formation.
9. Define Social skills.
10. State the importance of thinking skills.

Part B

(5 × 5 = 25)

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

11. (a) “It is necessary to incorporate life skill education in the curriculum”. Substantiate your answer.

Or

- (b) How would you develop livelihood skills in life?

12. (a) State Dakar framework of Quality education and life skills.

Or

- (b) What are the main components of life skills?

13. (a) Explain the generic life skills

Or

- (b) Mention the three barriers in communication and explain it.

14. (a) Define decision making and what are the types of decision making.

Or

- (b) Why goal setting is essential for an individual?

15. (a) What are stressors? Write a note on the stressors that you encounter in daily life.

Or

- (b) What is two dimensional approach? In what way it is related to emotions.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Do you think that life skill training is the need of the hour? If yes, substantiate your answer.
 17. How will you impart life skill education in the context of modern classroom? Discuss.
 18. Enumerate the steps in SWOT analysis and explain its benefits and advantages.
 19. Describe the role of effective communication and interpersonal relationship in establishing good living.
 20. List out positive and negative emotions. How does coping with emotions is important for a healthy living.
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R7012

Sub. Code

525703

M.Sc. DEGREE EXAMINATION, APRIL 2022

Botany

NME : HORTICULTURE

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Micronutrients
2. Vermiculite
3. Landscape
4. Bulb
5. Hedges
6. Climbers
7. Fruit setting
8. Flower thinning
9. Mycoplasma
10. Biological control

Part B

(5 × 5 = 25)

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

11. (a) Write short notes on importance of Horticulture.

Or

- (b) Write notes on organic manure's used in Horticulture.

12. (a) Write the advantages and disadvantages of layering.

Or

- (b) Briefly describe the induction of rooting from cutting and layers.

13. (a) Explain briefly on Lawn making.

Or

- (b) Comment on Bonsai plants.

14. (a) Write notes on Flower decoration.

Or

- (b) Brief on kitchen gardening.

15. (a) Describe briefly about chemical control of insect pests.

Or

- (b) Explain briefly on the biological control of weeds.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Describe on various types of water irrigation.
 17. Explain vegetative propagation using stem, leaf and root.
 18. Describe the methods of designing outdoor gardening.
 19. Explain the method of cultivation of Roses, Jasmines and chrysanthemun.
 20. Describe the preventive and curative methods in disease protection.
-

R7013

Sub. Code

533701

M.Sc. DEGREE EXAMINATION, APRIL – 2022

Nano Science and Technology

**NME — INTRODUCTION TO NANO SCALE IN SCIENCE
AND TECHNOLOGY**

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What are examples of nanotechnology?
2. What is bottom-up approach in nanotechnology?
3. What is a grain boundary?
4. What is the difference between electric force and electrostatic force?
5. What is energy band structure?
6. What is the meaning of energy landscape?
7. What is nanowire made of?
8. What is the structure of micelles?
9. What is meant by quantum wire?
10. What is SWNT and MWNT?

Part B

(5 × 5 = 25)

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

11. (a) Explain detail about Phases of Matter.

Or

- (b) What is Top down approach and explain their one method?

12. (a) Write about Covalent and coulomb interactions.

Or

- (b) Describe the notes on Strong inter molecular forces.

13. (a) Write short notes on energy landscapes.

Or

- (b) Explain in detail about length and time scale in structures.

14. (a) Discuss-Biological membranes and their types.

Or

- (b) What is quantum dot and explain their applications?

15. (a) Explain about Mechanical properties of nano structured materials.

Or

- (b) Write about electronic transport in quantum wires.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Briefly explain about Atomic structure (a) Dalton's theory (b) Rutherford model and (c) Bohr's atom model.
 17. Explain in detailed accounts on Forces between atoms and molecule particles and grain boundaries.
 18. Discuss-Inter dynamic aspects of inter molecular forces.
 19. Write short notes on (a) Nano wire (b) Miscelles bilayers.
 20. Briefly explain about Magnetic behavior of single domain particles and nanostructures.
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R7014

Sub. Code

540701

M.Sc. DEGREE EXAMINATION, APRIL – 2022

Energy Science

NME: BASIC CONCEPTS IN ENERGY SCIENCES

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

All questions carry equal marks.

1. Mention any four countries to consume maximum available energy sources.
2. Explain the future for our energy needs.
3. Mention any two limitations of solar energy.
4. How is solar radiation calculated?
5. Why are wind turbines good for the climate?
6. Mention any two disadvantages of wind energy system.
7. How is biomass classified?
8. Mention the sources of biofuels.
9. How does geothermal heat get up to the earth's surface?
10. Geothermal energy is considered as "environmentally friendly". Comment your reasons.

Part B

(5 × 5 = 25)

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

11. (a) What is meant by photosynthesis? Explain how is it used as energy sources for plants?

Or

- (b) Discuss the classification of energy sources with suitable examples.
12. (a) What are the components of a photovoltaic (PV) system?

Or

- (b) Explain the principle of photovoltaic conversion of solar energy.
13. (a) Write short notes on wind characteristics and Meteorology of wind.

Or

- (b) Enumerate the different criteria for selecting a wind farm.
14. (a) Explain the sources and characteristics of biofuels.

Or

- (b) Discuss the challenges facing the India's bio energy potential.
15. (a) Discuss the different sources of Geothermal energy.

Or

- (b) Mention the advantages and disadvantages of geothermal energy.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. (a) What are conventional and non- conventional energy resources? Explain their Characteristics.
- (b) Explain the overview of global energy scenario. (5+5)
17. Write short notes on (5+5)
 - (a) Flat plate collectors
 - (b) Solar concentrators.
18. Describe with neat sketch working of wind energy systems with main components.
19. (a) Explain any one types of gasifier with neat sketch.
- (b) Explain with neat sketch of KVIC biogas plant in detail. (5+5)
20. What is geothermal energy? Explain the principle, types and working of geothermal power plants.

R7015

Sub. Code

541703

M.C.A. DEGREE EXAMINATION, APRIL – 2022

Computer Application

**NME: INTRODUCTION TO INFORMATION
TECHNOLOGY**

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. Define information technology.
2. What are the five essential components of a computer?
3. Mention any four direct input devices.
4. List out the different types of printers.
5. How to format a new document in Microsoft Word?
6. Differentiate data entry and word processing.
7. What is a LAN?
8. What is dial-up access?
9. What do you mean by program?
10. Define procedural language.

Part B

(5 × 5 = 25)

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

11. (a) Differentiate RAM and ROM.

Or

- (b) Convert the following decimal numbers into their binary equivalent.

(i) 456

(ii) 234

12. (a) Discuss the advantages and disadvantages of laser printers.

Or

- (b) State the uses of pointing devices.

13. (a) Briefly explain the purpose of a spreadsheet.

Or

- (b) Write the steps to create a new document in word.

14. (a) How does the wide area network work? Explain.

Or

- (b) Write a short note on network applications.

15. (a) Explain the types of programming methods.

Or

- (b) What are the differences between program development and system development?

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Explain types of computers in detail.
 17. Discuss output devices and their functions.
 18. How can charts or graphs be prepared from your spreadsheet data? Explain.
 19. Discuss how multimedia authoring tools are better than multimedia programming tools?
 20. Explain the stages of the program development process.
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R7016

Sub. Code

542701

M.Sc. DEGREE EXAMINATION, APRIL – 2022.

Materials Science

NME: ELECTRONICS FOR DAILY LIFE

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What are the basic principles of electrical safety?
2. Which organ is mainly affected by electric shock?
3. How much can a 15 amp breaker handle?
4. List out the types of earthing.
5. What are the advantages of TAB over Laptop?
6. State the principle of LED.
7. Which types of battery are called secondary batteries?
8. How do you calculate the EMF of a dry cell?
9. Write down the available renewable energy source.
10. What is green computing?

Part B

(5 × 5 = 25)

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

11. (a) Discuss the reason for electric shock and burn. What would be the safety measures?

Or

- (b) Explain the electrical insulation with an example.

12. (a) Write short notes on (i) Switches (ii) holders and (iii) sockets (iv) Ceiling rose (v) plugs

Or

- (b) Explain the international system of units in specifications of earthing.

13. (a) If you are given a choice of selecting a TV for your bedroom what would be your choice whether it is LED/LCD? Justify your Answer.

Or

- (b) Explain the human — computer interaction with an example.

14. (a) List out the difference between the energy density and power density.

Or

- (b) Describe the Flow battery and explain its merits and demerits.

15. (a) With a neat sketch explain the working mechanism of photovoltaic cell.

Or

- (b) Explain the CLF and LED lamps on the basis of energy conservation.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Describe in detail the risk assessment and management safety during voltage variation.
 17. What are the components of earthing system? Explain Pipe and plate earthing system in detail.
 18. Briefly describe the historical background of processors and memory storage.
 19. Explain the operation and working mechanism of primary and secondary batteries with examples.
 20. How to improve energy efficiency in vehicles? List out the advantages and disadvantages of solar car.
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R7017

Sub. Code

547703

M.Sc. DEGREE EXAMINATION, APRIL – 2022

Fisheries Science

INTEGRATED FISH FARMING

(CBCS – 2021 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

All questions carry equal marks.

1. Polyculture
2. Integrated farming
3. Mono-sex culture
4. Horticulture crop for integrated fish farming
5. Epiculture
6. Type of animals for integrated fish farming
7. Types of integrated fish farming systems
8. CBR
9. Aquaponics
10. Types of aquaponics

Part B

(5 × 5 = 25)

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

11. (a) What is monoculture? Explain in brief operational details of monoculture.

Or

- (b) What is composite fish culture? Discuss running water systems.

12. (a) Explain history, national and international status of agriculture in integrated farming.

Or

- (b) Write in brief about mushroom cultivation with examples.

13. (a) Write a note on Sericulture and its economic importance.

Or

- (b) Describe cattle, goat and poultry farming systems and problems.

14. (a) Elaborate the Composite aquaculture.

Or

- (b) Explain Epiculture and its importance.

15. (a) Write a note on national and international status of aquaponics.

Or

- (b) Explain layout and design of different aquaponics systems in India.

Part C

(3 × 10 = 30)

Answer any **three** questions.

All questions carry equal marks.

16. Explain in brief different types of culture systems according to density.
17. Explain in brief agriculture integrated fish farming and suitable fish species for integrated production system.
18. Write a note on animal husbandry in Integrated farming. Brief history, national and international status.
19. Write a note on integrated fish farming. Explain national and international status of Integrated fish farming.
20. Write a note on aquatic health management in aquaponics system.

R7018

Sub. Code

548702

M.Sc. DEGREE EXAMINATION, APRIL – 2022

Integrated Marine Biology

NME – AQUARIUM KEEPING

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define aquarium.
2. Ornamental crustaceans.
3. Fresh water aquarium.
4. Types of aquarium.
5. Probiotics.
6. Types of fish foods.
7. Bacterial diseases.
8. Gill rot disease.
9. Define hatchery.
10. Ornamental fish farm.

Part B

(5 × 5 = 25)

Answer **all** questions by choosing either (a) or (b).

11. (a) Explain the importance of aquarium.
- Or
- (b) Describe the identification of ornamental fishes.
12. (a) Discuss the methods used in aquarium construction.
- Or
- (b) Give an account on marine aquarium.
13. (a) Explain briefly about care and maintenance of aquarium.
- Or
- (b) Write note on fish food and its type.
14. (a) Write notes on fungal diseases in aquarium fish.
- Or
- (b) Explain about treatments of fish diseases.
15. (a) Briefly explain about the breeding of ornamental fishes.
- Or
- (b) Describe the packaging and transporting of ornamental fishes.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Explain about the status of ornamental fish cultures and trade.
17. Give a detailed account on types of aquarium.

18. Elucidate the design and construction of aquarium
 19. Explain about the criteria for the selection of ornamental fishes
 20. Discuss in detail about brood stock management
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R7019

Sub. Code

549702

M.A. DEGREE EXAMINATION, APRIL – 2022

Public Administration

**NME — INDIAN PUBLIC ADMINISTRATION FOR CIVIL
SERVICES**

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions in about 30 words each.

1. Constituent Assembly
2. Parliamentary Democracy
3. Secular State
4. Art.368
5. Right to Freedom of Religion
6. District Development Council
7. RTI Act 2005
8. Human Rights Courts
9. Lokadalat
10. Indian Diaspora.

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b) not exceeding 300 words each.

11. (a) Explain the significance of Preamble of Indian Constitution.

Or

- (b) Brief about Directive Principles of State Policy.

12. (a) Give an account on the executive powers of President.

Or

- (b) Describe the structure and powers of the Council of Ministers.

13. (a) Bring out the composition of State administration.

Or

- (b) Discuss the structure of judiciary at the state level.

14. (a) Identify the reasons for political corruption in Indian.

Or

- (b) Bring out the powers and functions of state information commissioner.

15. (a) Explain the main principles of India's foreign policy.

Or

- (b) Discuss the objectives of SAARC.

Part C

(3 × 10 = 30)

Answer any **three** questions not exceeding 1500 words each.

16. Examine the various provisions to amend the Indian constitution.
 17. Estimate the working of Indian Parliament.
 18. Critically examine the position of Chief Minister in the state politics.
 19. Analyse the role of Central Vigilance Commission in curbing corruption in India.
 20. Elucidate the major issues in Indo-Pakistan bilateral relations.
-

R7020

Sub. Code

551702

M.Sc. DEGREE EXAMINATION, APRIL – 2022

Computer Science

NME - INTERNET AND WEB DESIGN

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. What is meant by net meeting?
2. Denote about POP3.
3. State the use of browsers.
4. How to plan for process of web design?
5. Mention the role of HTML.
6. List the multimedia components.
7. What is text format?
8. Define CSS color.
9. How to save websites?
10. Define the importance of ASP.

Part B

(5 × 5 = 25)

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

11. (a) Explain about connecting and accessing internet.

Or

- (b) Describe about simple mail transfer protocol.

12. (a) Write notes on home page layout.

Or

- (b) Illustrate about website classifications.

13. (a) Discuss about various elements of HTML.

Or

- (b) Explain about the attributes of hyperlink tag in HTML.

14. (a) Write notes on box model.

Or

- (b) Illustrate about CSS blocks elements and objects.

15. (a) Describe about publication of websites.

Or

- (b) Discuss about usage of operators and expressions in java script.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Explain about hazards on internet.

17. Illustrate the applications of WWW and its role in Internet.

18. Write notes on tables and frames in HTML.
 19. Describe about advanced features of CSS.
 20. Develop a website for mobile showroom using suitable fonts and colors.
-

R7021

Sub. Code

611702

M.Com. DEGREE EXAMINATION, APRIL – 2022

Commerce

**NME — ACCOUNTING AND FINANCIAL
MANAGEMENT**

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(5 × 3 = 15)

Answer **all** questions.

1. Describe the importance of 'Money measurement concept'.
2. Explain briefly fictitious assets and intangible assets with suitable examples.
3. What is schedule of changes in working capital?
4. Bring out uses of Break-even Analysis.
5. What is weighted average cost of capital?

Part B

(5 × 10 = 50)

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

6. (a) State the objectives of financial accounting. Explain its uses and limitations.

Or

- (b) Explain the principles of accounting. Also highlight their importance.

7. (a) What is fund flow analysis. Distinguish between fund flow analysis and cash flow analysis.

Or

- (b) Comment on the financial position of the company from the following balance sheet.

Balance sheet of Suresh Ltd as at 31.12.2020

Liabilities	Rs.	Assets	Rs.
Equity share capital	2,00,000	Good will	1,20,000
Reserves	40,000	Fixed Assets	2,80,000
Profit and Loss A/C	60,000	Stock	80,000
Secured loans	1,60,000	Debtors	40,000
Creditors	1,00,000	Bills receivable	20,000
Provision for tax	<u>40,000</u>	Cash	<u>60,000</u>
	<u>6,00,000</u>		<u>6,00,000</u>

8. (a) What is Break-even analysis? How is it useful in profit planning in an organization.

Or

- (b) From the following data, you are required to calculate.

- (i) P/V ratio
- (ii) Break-even point
- (iii) Profit

- (iv) Margin of safety
- (v) Volume of sales to earn profit of Rs. 60,000

Total fixed costs	Rs. 45,000
Total variable cost	Rs. 75,000
Total sales	Rs. 1,50,000

9. (a) What is capital budgeting? Explain the basic methods of appraisal of investments.

Or

(b) Explain the objectives and functions of financial management.

10. (a) Discuss the determinants of dividend policy of corporate enterprises.

Or

(b) Sri Ram Enterprises issued 10,00 10% debentures of Rs. 100 each. The tax rate is 50%. Calculate the before tax and after tax cost of debt if the debentures are issued

- (i) at par
- (ii) at a premium of 10%
- (iii) at a discount of 10%

Part C (1 × 10 = 10)

Compulsory.

11. The following are the balances of Jothi Co. Ltd. as on 31st March, 2018

	Credit	Rs.	Debit	Rs.
Share Capital	4,00,000		Premises	3,07,200
12% Debentures	3,00,000		Plant	3,30,000
P & L Account	26,250		Stock	75,000

Bills Payable	37,000	Debtors	87,000
Creditors	40,000	Goodwill	25,000
Sales	4,15,000	Cash at Bank	40,650
General Reserve	25,000	Calls in Arrear	7,500
Bad Debt. Provision on 1.4.217	3,500	Interim Dividend paid	39,250
		Purchases	1,85,000
		Preliminary Expenses	5,000
		Wages	97,980
		General Expenses	6,835
		Salaries	20,225
		Bad debts	2,110
		Debentures	18,000
		Interest paid	
	<u>12,46,750</u>		<u>12,46,750</u>

Additional Information:

- (a) Depreciate Plant by 15%
- (b) Write off Rs. 500 from Preliminary Expenses
- (c) Half year's Debenture Interest due
- (d) Create 5% provision on Debtors for Doubtful Debts
- (e) Provide for Income Tax @50%
- (f) Stock on 31st March ,201 8 was Rs.9,500
- (g) A claim of Rs. 2,500 for workmen's compensation is being disputed by company.

Prepare Final Accounts of the company.

R7022

Sub. Code

622704

M.B.A. DEGREE EXAMINATION, APRIL – 2022

Corporate Secretaryship

NME : SECURITIES LAWS AND CAPITAL MARKET

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(5 × 3 = 15)

Answer **all** questions.

1. Distinguish between Capital Market and Money Market.
2. What is a non-voting share?
3. Write the Job Description of Portfolio Manager?
4. What are the functions of Stock Exchanges?
5. Bring out the different types of mutual funds in India.

Part B

(5 × 10 = 50)

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

6. (a) Explain the role of various regulatory authorities in financial market.

Or

- (b) Describe the significance of Securities and Exchange Board of India Act. 1992.

7. (a) Explain in detail on the new financial instruments in the capital market.

Or

- (b) Discuss the credit rating methodologies for various financial instruments.

8. (a) Explain the recent development in Indian Capital Market.

Or

- (b) Elucidate the regulations and code of conduct framed by SEBI.

9. (a) Discuss the four main legislations governing the securities markets of India.

Or

- (b) Give a detailed account on Electronic Trading platforms in Government Securities Markets.

10. (a) Explain in detail on the risks involved in investing in mutual funds.

Or

- (b) Give a detailed account on the revised code of conduct for intermediaries of Mutual Funds.

Part C

(1 × 10 = 10)

(Compulsory)

11. Money market is a very important segment of the Indian financial system. It is the market for dealing in monetary assets of short-term nature. There are a large number of participants in the money market: Commercial banks, mutual funds, investment institutions, financial institutions and Regulatory authority.

Questions:

- (a) Comment and discuss various features of money market.
 - (b) Discuss the various participants in the money market and their roles and responsibilities.
-

R7023

Sub. Code

643701

M.B.A. DEGREE EXAMINATION, APRIL – 2022

Logistics Management

NME : INTRODUCTION TO LOGISTICS MANAGEMENT

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(5 × 3 = 15)

Answer **all** questions.

1. What are the objectives of logistics management?
2. Brief the functions of material Handling.
3. Define the Transport mode selection.
4. Brief the dimensions of SCM.
5. Explain the functions of packaging.

Part B

(5 × 10 = 50)

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

6. (a) Explain the functional applications of logistics management.

Or

- (b) Describe the various aspects of logistics in different Industries.

7. (a) Define ware housing. Explain various aspects of materials storage.

Or

- (b) Explain about third party and Fourth party logistics.

8. (a) Explain the importance of transport regulations.

Or

(b) Explain the various components of transport Industry in India.

9. (a) Write about simulation of logistic system in detail.

Or

(b) Explain in detail about supply chain relationships.

10. (a) Define order processing and explain order entry order aquisition.

Or

(b) Explain the role of packaging in logistics Industry. Highlight the recent strategies in packaging Industry.

Part C

(1 × 10 = 10)

Compulsory

11. In what ways can customer service performance be improved by in corporating flexible distribution operations into logistics system design?

R7024

Sub. Code

645701

M.B.A. DEGREE EXAMINATION, APRIL – 2022

Tourism Management

NME – INTRODUCTION TO TOURISM

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(5 × 3 = 15)

Answer **all** questions.

1. What is the difference between Inbound and Outbound tourism?
2. What do you mean by 'Demonstration Effect'?
3. What is a vertical integration, give examples?
4. What is NITI Aayog and its functions?
5. Write the functions of IATA.

Part B

(5 × 10 = 50)

Answer **all** questions by choosing either (a) or (b).

6. (a) Write the various forms of tourism.
Or
(b) Explain the current trends in global tourism.
7. (a) Discuss the Butler's TALC.
Or
(b) Explain the Plog's Psychographic Model.

8. (a) Illustrate the basic components of tourism.

Or

(b) Discuss the structure of tourism industry.

9. (a) Explain the positive economic impact of tourism.

Or

(b) Discuss the tourism business during the post liberalisation and post globalisation period.

10. (a) Write the role of government in tourism development.

Or

(b) Discuss the role of luxury tourist trains in development of tourism.

Part C

(1 × 10 = 10)

Case Study – Compulsory Question

11. Tour Operation

Peter and Iris Tait are husband and wife tourism operators whose business “Sails Ashore” has provided hosted accommodation, guided walks and tours for the last 9 years on Stewart Island. They have around 50% domestic and 50% international customers. They believe that as well as having a great destination for their guests, their commitment to having a quality product and their personal service are all factors which affect the success of their business. To Sails Ashore sustainability means minimizing their “footprint” on the community and on their environment. Their focus is on being more energy efficient, minimizing waste and maximizing food from their garden in their journey to become a more sustainable business. The initial motivation was the very high cost of energy on Stewart Island.

They have spent little money, but a lot of time, mainly in research, since becoming involved in the Sustainable Tourism South Charter project. The project encouraged them to open other avenues of investigation, particularly in energy conservation and alternative technology. Their building was initially designed with double glazed windows and heavy duty insulation throughout as well as a large sunroom to harvest solar radiation. Sails Ashore subsequently has implemented several further changes since becoming involved in the project. These include trialling and then installing low energy light sources, in particular sourcing GU-10 fluorescence bulbs to replace the older halogen 50 watts initially installed. This resulted in around 80% savings in lighting costs. A side benefit has been a 10 times increase in bulb life, with bulbs still aesthetically pleasing. They replaced a standard domestic freezer with an imported Danish model, saving around \$40 per month in power charges; these savings mean a payback period for the added initial cost is 12 months. Installing a worm farm and mulcher (compost), and rebuilding composting bins so they are more efficient has meant that all green waste from their garden is recycled, saving that cost, and also minimizing fertilizer costs.

Questions:

- (a) Identify the various services provided by Sails Ashore.
- (b) What are the initiatives taken by Sails Ashore to minimize the impacts?
- (c) In your opinion, what all could be the basic reasons for Sails Ashore to make some modifications in their business.

R7025

Sub. Code

646701

M.B.A. DEGREE EXAMINATION, APRIL – 2022

Disaster Management

NME : INTRODUCTION TO DISASTER MANAGEMENT

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

All questions carry equal marks.

Write a note on the following :

1. Disaster management
2. Vulnerability
3. Drought
4. Global warming
5. Biological disaster
6. Water pollution
7. Disaster mitigation
8. Public awareness
9. DRR
10. Resilience.

Part B

(5 × 5 = 25)

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

All questions carry equal marks.

11. (a) Describe the dimensions of disaster management.

Or

- (b) Explain the various international strategies for disaster reduction.

12. (a) Describe the nature of natural disasters.

Or

- (b) Illustrate the impact of climate change on the economy.

13. (a) Elucidate the causes and consequences of air pollution.

Or

- (b) Explain the various causes of deforestation in India.

14. (a) Discuss any one disaster which damages the scale of the population and their social status.

Or

- (b) Explore the different factors affecting disaster mitigation measures.

15. (a) Discuss the disaster management cycle.

Or

- (b) Give a note on 'Capability'.

Part C

(3 × 10 = 30)

Answer any **three** questions.

All questions carry equal marks.

16. Discuss the nature and importance of disaster management.
 17. Describe the impact of Cyclone and Sea level rise on the economy.
 18. Elucidate the different types of biological and radiological disasters.
 19. Illustrate the causes and consequences of industrial wastewater pollution.
 20. Critically examine the Disaster Management Act 2005.
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R7026

Sub. Code

652701

M.B.A. DEGREE EXAMINATION, APRIL – 2022

International Business

NME : GLOBAL ENTREPRENEURSHIP

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(5 × 2 = 10)

Answer **all** questions.

1. Who is Global Entrepreneur?
2. What is Global Tax System?
3. What is opportunity identification?
4. What is National Entrepreneurial Network?
5. What is KVIC?

Part B

(5 × 5 = 25)

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

6. (a) How Creativity and innovation is relevant to global entrepreneur.

Or

- (b) Explain the concept “Intrapreneurship”.

7. (a) What are the political environmental factors affecting entrepreneurship?

Or

(b) How does economic environmental factors influence entrepreneurship?

8. (a) What are the characteristics of successful entrepreneur?

Or

(b) Write a short note on Customer Discovery Process.

9. (a) Describe the role of SIPCOT in entrepreneurial development.

Or

(b) What are the functions of SIDCO?

10. (a) How to formulate Global entrepreneurial venture?

Or

(b) Explain the Differential Interest Rate (DIR) scheme.

Part C

(3 × 10 = 30)

Answer any **three** questions.

11. Explain the sources of innovation in global entrepreneurship.

12. Describe the external and internal environmental forces conditioning global entrepreneurship.

13. Elucidate on New venture creation process.

14. Discuss the role of TIIC in global entrepreneurial development.

15. Briefly explain the schemes of KVIC to promote entrepreneurial development.

Part D

(1 × 10 = 10)

Case Study — Compulsory

16. Sustainable business is in large part about changing business practices. Successful sustainable businesses are focused on the creation of new products, services, or practices that address or mitigate environmental and social concerns in new ways. Success in implementing sustainable business practices relies on entrepreneurship and innovation. Entrepreneurship and innovation are relevant in many different sustainable business contexts. They are fundamental for the success of start-up companies that are providing innovative solutions to meet environmental or social challenges. Entrepreneurship and innovation are also highly relevant for established businesses. This applies all the way up to multinational companies, such as General Electric (GE) or Microsoft, and all the way down to small- to medium-sized companies, such as Timberland, Green Mountain Coffee, Oakhurst, and Stonyfield. Companies undertake sustainability entrepreneurship for a variety of reasons, including to enhance their brand name and reputation and to benefit financially by being market leaders in business practices that reduce environmental and societal impacts in their sphere of operating influence. They also engage in sustainability entrepreneurship to affect positive societal change.

Questions:

- (a) What are the focus of modern business undertaking?
- (b) How innovation influence the multinational companies?

R7027

Sub. Code

701701

M.A. DEGREE EXAMINATION, APRIL – 2022

English

**NME : EFFECTIVE COMMUNICATION AND SOFT
SKILLS**

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is the importance of communication?
2. What is the significance of verbal communication?
3. What do you mean by peer group?
4. What is most common form of greeting?
5. Write any two examples of polite formal request.
6. What is peer group communication
7. Which expression is the expression of agreement? Give two examples.
8. What is the advantage of advertisement?
9. What is Etiquette?
10. Write any four basic etiquettes for conversation?

Part B

(5 × 5 = 25)

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

11. (a) List out the differences between informal letters and formal letters.

Or

- (b) Explain the different behavioral patterns in communication.

12. (a) Bring out the different ways of greeting.

Or

- (b) How do you introduce yourself to someone?

13. (a) Write a brief note on Barriers to Communications.

Or

- (b) Write a short note on the barriers of effective communication?

14. (a) Discuss the negative attributes in peer pressure group.

Or

- (b) What are the features of Non-verbal communication?

15. (a) What are the points you keep in mind while preparing resume?

Or

- (b) Discuss the importance of good communication etiquette.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Assume yourself as the Marketing Manager of Frontline and write an advertisement to be published in “The Hindu”.
17. Point out the advantages of preparing, planning and presenting a talk.
18. As an expert write a report on the careers in journalism.
19. Write an e-mail to Sri National sports goods to send a quotation to purchase the sports articles for your college
20. List out the Do’s and Don’ts of a Group Discussion

R7028

Sub. Code

720702

B.Sc. DEGREE EXAMINATION, APRIL – 2022

Physical Education

**NME : PRINCIPLES OF YOGA THERAPY, SOCIAL
SKILLS AND LIVING VALUES BASED EDUCATION**

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** questions.

Choose the best answer

1. In pranayama, the inhalation through right nostril makes our body as
(a) Fatigue (b) Stiff
(c) Cool (d) Warm
2. The Sanskrit term 'Kumbaka' means
(a) Inhalation (b) Exhalation
(c) Suspension (d) Relaxation
3. The study of the social lives of humans, groups and societies is called
(a) Social psychology (b) Anthropology
(c) Sociology (d) All the above
4. The word personality derived from
(a) Greek (b) Latin
(c) Spanish (d) France

5. Which book was written by Saint Pathanjali
- (a) Upanishath (b) Yogasutra
(c) Thiruvagasam (d) Thiruvalluvar
6. Padmasana is an example for _____ pose
- (a) Plough (b) Lotus
(c) Locust (d) Cobra
7. Asanas is otherwise known as
- (a) Dhiyana (b) Pranayama
(c) Yama (d) Postures
8. Psychology deals with
- (a) Behaviour of man
(b) Behaviour of man relation to society
(c) Both (a) and (b)
(d) Structure of human body
9. Low level anxiety is
- (a) Tension (b) Fear
(c) Nervous problem (d) Stress
10. Value Education Means
- (a) Social values (b) Human values
(c) Animal values (d) All the above

Part B

(5 × 5 = 25)

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

11. (a) List out the types of Yoga & explain any one type.

Or

- (b) Brief about the coronary heart diseases.

12. (a) Define and meaning phobia.

Or

- (b) What is the psychology?

13. (a) Write about the benefits of meditation.

Or

- (b) Short notes on Power Conscious mind.

14. (a) Describe the Holistic health care.

Or

- (b) Mention the Anxiety and symptoms.

15. (a) Write the short notes on inculcation of living values.

Or

- (b) Write notes on cooperation.

Part C

(5 × 8 = 40)

Answer any **five** questions.

16. Describe the pranayama.

17. Explain the Role of yoga in disease yogic concept.

18. Designate the role of yoga in any three psychological problems.

19. Narrate to the power of conscious and sub Conscious mind.
 20. Elaborate the verbal and non-verbal communication.
 21. Explain about value education.
 22. Explain about the Happiness, love and peace, respect and Honesty.
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R7029

Sub. Code

724702

B.Sc. DEGREE EXAMINATION, APRIL – 2022

Yoga

APPLIED YOGA

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** the questions.

1. Which yoga asana is good for diabetes
 - (a) Padmasana
 - (b) Virasana
 - (c) Mandukasana
 - (d) Siddhasana
2. Sattvic Food —————
 - (a) Increase energy
 - (b) Create balance
 - (c) Promote relaxation
 - (d) All the above
3. Where does Ajna Chakra located?
 - (a) Between eyebrow
 - (b) Chest
 - (c) Tongue
 - (d) Legs

4. Which Mudra prevents premature death?
 - (a) Brahmi Mudra
 - (b) Shambhavi Mudra
 - (c) Akashachari Mudra
 - (d) Ashvini Mudra

5. Which type of Asana should avoid during Low back pain?
 - (a) Backward asana
 - (b) Forward asana
 - (c) Twisting asana
 - (d) Side bend asana

6. How many types of Ahara in Yogic diet?
 - (a) 8
 - (b) 4
 - (c) 3
 - (d) 7

7. Which of the following is not a process of Pranayama?
 - (a) Rechaka
 - (b) Puraka
 - (c) Kumbhaka
 - (d) Samyaka

8. Which kriya is good for cleaning the eyes?
 - (a) Neti
 - (b) Dhauti
 - (c) Trataka
 - (d) Nauli

9. Niyama in Yoga insist
 - (a) Physical Preparation
 - (b) Ethical Preparation
 - (c) Rules and Guidelines
 - (d) None of the above

10. Tamasic Foods include;
 - (a) Meat and fish
 - (b) Onions
 - (c) Honey
 - (d) Milk and butter

Part B

(5 × 5 = 25)

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

11. (a) Explain – Benefits of yoga in healthy body.

Or

- (b) List down Mudra and its Types.

12. (a) Cause and symptoms of Obesity.

Or

- (b) Cause and symptoms of Asthma.

13. (a) Briefly explain about higher stages of meditation.

Or

- (b) Consequences of stress in daily life – Explain.

14. (a) What are the benefits of yogic Diet?

Or

- (b) Narrate the concepts of Rajasic and Tamasic food.

15. (a) List down the important health hazards among computer professionals.

Or

- (b) Explain the complications in Techno-stress.

Part C

(5 × 8 = 40)

Answer any **five** questions.

16. Describe – Physiological benefits of Yogasana.
17. Explain – Effects of yogi practice on Diabetes mellitus.
18. Describe – Arthritis management through Yoga practice.

19. Yogi perspective of Mental health – Explain.
 20. Describe – Yoga and stress management.
 21. Healthy living through Yogic diet – Explain.
 22. Health promotion through yoga among computer professionals.
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R7030

Sub. Code

741701

M.Ed. DEGREE EXAMINATION, APRIL – 2022.

Education

NME: PSYCHOLOGY OF THE LEARNERS

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. What is educational psychology?
2. List any two merits of observation method.
3. Write any two difference between Growth and development.
4. Define “Attitudes”.
5. What do you mean by forgetting?
6. Define Learning.
7. What do you mean by transfer of learning?
8. Define mental health.
9. Write any two characteristics of gifted children.
10. Define multiple intelligence.

Part B

(5 × 5 = 25)

Answer any **five** questions.

11. Give an account of structuralism in educational psychology.
12. Describe the role of an educational psychology in the class room.
13. Critically analyze the piagets theory of cognitive development.
14. Describe Gagne's different types of signal of learning and state its educational implications.
15. Write short note on any two types of a defence mechanisms.
16. Discuss about the Tolman's theory of purposivism.
17. Write a short note on Sternberg's theory of intelligence.
18. Explain briefly about the multifactor theory of intelligence.

Part C

(3 × 10 = 30)

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

19. (a) Examine the factors influencing growth and development of the child.

Or

- (b) "The methods of Educational psychology helps the teacher to study the classroom problems with objectivity" – Justify.

20. (a) Explain Gardner's theory of multiple intelligence with suitable examples.

Or

- (b) Discuss the Vygotsky's theory of social constructivism.
21. (a) "Sound mental health is necessary for the effectiveness of the teaching and learning process".
– Justify.

Or

- (b) As a teacher, what learning situations can you create to develop creativity in your students? Illustrate with suitable example.
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R7031

Sub. Code

813701

M.Sc. (Yoga) DEGREE EXAMINATION, APRIL – 2022

NME — HEALTH EDUCATION AND FIRST AID

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Write the concept of health education.
2. What is the aim of physical education?
3. Define communicable diseases.
4. Expand AIDS.
5. Define health.
6. Define stress.
7. Define first aid.
8. Short note on haemorrhages.
9. Short note on floods.
10. Write the importance of bandaging.

Part B

(5 × 5 = 25)

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

11. (a) Explain the spectrum and determinants of health.

Or

- (b) Explain the guiding principles of health education.

12. (a) Short notes on environmental sanitation.

Or

- (b) Short notes on health appraisal.

13. (a) Discuss the effect of Tobacco on health.

Or

- (b) Explain the types of hygiene.

14. (a) Discuss the first aid on fractures.

Or

- (b) How to transport the injured person?

15. (a) Narrate first aid on drowning.

Or

- (b) How to manage insect bites?

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Describe the aim and objectives of health education.
 17. Discuss the health problems in India.
 18. Define obesity and explain its management.
 19. Explain the importance of first aid and emergency.
 20. Explain the need and importance of rehabilitation.
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R7032

Sub. Code

813702

M.Sc. DEGREE EXAMINATION, APRIL – 2022.

Yoga

NME : SCIENCE OF YOGA

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is Mantras?
2. Types of Asanas.
3. Define KRIYAS AND MUDRAS.
4. Define Pranayama.
5. List out any four mudras.
6. Write down the Benefits of Chin mudra.
7. Write down the Benefits of Relaxation asanas.
8. When does 'International Yoga Day' celebrated?
9. What is Hathayoga?
10. Role of Yogic exercise on mental health.

Part B

(5 × 5 = 25)

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

11. (a) Explain the need of Chandra Namaskar.
Or
(b) Explain importance of Physical Exercises.
12. (a) Explain scope of Asanas.
Or
(b) Explain the classification Asanas.
13. (a) Explain the Breathing techniques in Pranayama.
Or
(b) Explain the practice methods Meditation.
14. (a) What are the Benefits of Pachimotanasana and Bhujangasanas?
Or
(b) What are the Benefits of Vajrasana and Padmasanas?
15. (a) Explain about Panchendriya meditation.
Or
(b) PANCHA BHOOTHA NAVAGRAHA Meditation. – Explain.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Explain 12 counts of Suryanamaskar and its Benefits.
17. Explain Guide line to Practice Kriyas and Mudras.

18. What are the Benefits of Pranayama according to Patanjali?
 19. Explain the difference between Asanas and Physical Exercises.
 20. Listout Limbs of Yogasanas and explain the need and importance of First Two Limbs.
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