

**R6642**

**Sub. Code**  
**9BV2T1/308201/**  
**314201/315201**

**B.P.A./B.F.A. painting/B.Voc. DEGREE EXAMINATION,**  
**APRIL – 2022**

**Second Semester**

**Bharathanatyam/Music (Vocal)**

**இலக்கணமும் படைப்பிலக்கியமும்**

**(Common for B.P.A. (Bharathanatyam)/B.P.A. Music**  
**(Vocal)/B.Voc. Fashion Technology/B.Voc Software**  
**Development/B.F.A. Painting)**

**(CBCS – 2019 onwards)**

**Time : 3 Hours**

**Maximum : 75 Marks**

**பகுதி – அ**

**(10 × 2 = 20)**

**அனைத்து வினாக்களுக்கும் விடையளிக்க.**

1. எழுத்து என்றால் என்ன?
2. அளவடி என்பது யாது?
3. புதுக்கவிதையின் இலக்கணம் தருக.
4. சென்றியூ- என்பது யாது?
5. சிறுகதையின் இலக்கணம் தருக.
6. புதுமைப்பித்தனின் சிறுகதைகள் நான்கினைத் தருக.
7. வலைப்பு என்பது யாது?
8. இணைய இதழ்கள் நான்கினைத் தருக.
9. மணிக்கொடி பரம்பரை - குறிப்பு வரைக.
10. கொரானா எனும் தலைப்பில் ஒரு ஹைக்கூ கவிதை எழுதுக.

அனைத்து வினாக்களுக்கும் விடையளிக்க.

11. (அ) அடியின் வகைகளை விளக்குக.  
(அல்லது)  
(ஆ) தொடை விகற்பங்களைத் தருக.
12. (அ) பாரதி காட்டும் தமிழ்நாட்டின் சிறப்பினைத் தருக.  
(அல்லது)  
(ஆ) கண்ணதாசன் சுட்டும் கடவுள் அனுபவத்தை விளக்குக.
13. (அ) அன்பளிப்பு-சிறுகதையின் பொருண்மையை எழுதுக.  
(அல்லது)  
(ஆ) புலிக்கலைஞர் காதரின் நடிப்புத்திறனைச் சுட்டுக.
14. (அ) மின்னஞ்சல் முகவரி பெறும் முறையை விளக்குக.  
(அல்லது)  
(ஆ) குறிப்புகள் தருக.  
(i) தரவு தளம்  
(ii) இணைய தளம்  
(iii) இணைய இதழ்
15. (அ) ஹைக்கூ, குக்கூ கவிதைகளுக்கிடையேயான வேறுபாட்டைத் தருக.  
(அல்லது)  
(ஆ) புதுக்கவிதை மரபில் பெண்களின் பங்களிப்பினைச் சுட்டுக.

எவையேனும் மூன்றனுக்கு மட்டும் விடையளிக்க

16. சீர்கள் எத்தனை வகைப்படும்? அவை யாவை? விளக்குக.
17. புதுக்கவிதையின் மரபை நும் பாடப் பகுதி கொண்டு விளக்குக.
18. சிறுகதையின் தோற்றமும் வளர்ச்சியும் குறித்து எழுதுக.
19. இணையத்தில் தமிழ் வளர்ச்சித்துறையின் பங்கினைத் தருக.
20. 'முகக்கவசம்' என்னும் பொருண்மையில் ஒரு சிறுகதை எழுதுக.

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**R6640**

**Sub. Code**

**922CE**

**(All UG PROGRAMS) DEGREE EXAMINATION,  
APRIL – 2022**

**Second Semester**

**English**

**Part II — COMMUNICATIVE ENGLISH — II**

**(Common for All U.G. Programmes)**

**(CBCS – 2020 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Give the antonyms of the following :
  - (a) Bleak
  - (b) Ominous
2. Fill in the blanks with suitable adverbs :
  - (a) She arrived \_\_\_\_\_ for the meeting
  - (b) We should work \_\_\_\_\_.
3. What is a welcome speech?
4. Frame sentences using the idioms (a) burning the midnight oil (b) make the ends meet.
5. What are the benefits of reading aloud?
6. Write one word substitutes for the following :
  - (a) Present everywhere
  - (b) fear of water

7. Identify the type of sentence :
  - (a) How thrilling the movie was !
  - (b) Do you like coffee?
8. What is a brochure?
9. Give two tips for interview.
10. Differentiate a clause and a phase.

**Part B**

(5 × 5 = 25)

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

11. (a) Write a paragraph on the proverb, “Actions speak louder than words”.

Or

- (b) Write the synonyms for the following words :
  - (i) abundant
  - (ii) linger
  - (iii) optimistic
  - (iv) inept
  - (v) soothe.

12. (a) What is Intonation? Explain with examples.

Or

- (b) Explain the important elements of a ‘vote of thanks’ speech.

13. (a) How can you make your PPT presentation effective?

Or

- (b) What are the different components of an email?

14. (a) Differentiate 'denotation' and 'connotation' with examples.

Or

- (b) Mention some of the Do's and Don'ts during an online meeting.

15. (a) What are the elements of feature writing?

Or

- (b) Write a job application letter for the post of Assistant Professor in ABC college, Chennai.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Fill in the blanks with suitable prepositions :

- (a) we have been playing ————— morning.  
(b) ————— brave, he is not intelligent.  
(c) This work is ————— your dignity.  
(d) I will come there ————— a week.  
(e) Can you write ————— this pen?  
(f) She put a bandage ————— the boy's cut finger.  
(g) My uncle has invested a lot of money ————— farming.  
(h) We have been working in this company ————— twenty years.  
(i) He is laboring ————— a misapprehension, but laboring ————— a cause.  
(j) The plane flew ————— the clouds.

17. Write a film review on the film you recently watched.
18. Write the one-word substitution for the following.
- (a) A human who eats human flesh.
  - (b) A room in a public building where outdoor clothes luggage maybe left.
  - (c) A place where coins are made.
  - (d) A person who is mentally ill.
  - (e) Fear of closed spaces.
  - (f) One who studies the evolution of mankind.
  - (g) One who doesn't take any alcoholic drinks.
  - (h) A speech prepared without any previous preparation.
  - (i) A disease which attacks many people in a particular area in one time.
  - (j) The one who loves good food and knows a lot about it.
19. Prepare a 'Brochure' for 'Spoken English' course.
20. Write ten utterances that takes place in a formal job interview.
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**R6641**

**Sub. Code**

**4532ES/  
9HM2S1/  
9BV2G1/  
7BES2/  
4BES2**

**ALL U.G. DEGREE EXAMINATION, APRIL – 2022**

**Second Semester**

**General Subject**

**ENVIRONMENTAL STUDIES**

**(Common for All UG Programmes)**

**(CBCS – 2019 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

Explain the following Terms :

1. Abiotic factors  
உயிரற்ற காரணிகள்
2. Biosphere  
உயிரிய மண்டலம்
3. Soil fertilizer  
மண் செழுமை
4. Food Resources  
உணவு வளங்கள்



5. Energy flow

ஆற்றல் ஓட்டம்

6. Food Web

உணவு வலை

7. Species Diversity

இன வேறுபாடு

8. Endemic species

ஒரு பகுதியில் மட்டும் காணப்படும் இனங்கள்

9. Air Pollutants

காற்று மாசாக்கிகள்

10. Soil Pollution

நில மாசுபாடு

**Part B**

(5 × 5 = 25)

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

11. (a) Write in detail about aim of environmental studies.

சுற்றுச்சூழல் கல்வியின் நோக்கம் பற்றி எழுதுக.

Or

(b) List the uses of Mineral Resources.

தாது வளங்களின் பயன்கள் பற்றி எழுதுக.

12. (a) Write a short notes on dams. Add a note on their effect on forests and tribal people.

அணைகள் பற்றி சிறு குறிப்பு வரைக. இவைகளால் காடுகளுக்கும், பழங்குடி மக்களுக்கும் ஏற்படும் விளைவுகள் பற்றி எழுதுக.

Or

- (b) Enumerate the role of individual in conservation of natural resources.

இயற்கை வளங்களை பாதுகாப்பதில் தனி மனித பங்கு பற்றி தொகுத்து எழுதுக.

13. (a) Give an account of structure and functions of an Eco systems.

சூழியத் தொகுதியின் அமைப்பு மற்றும் வேலைகள் பற்றி எழுதுக.

Or

- (b) List the value of Biodiversity.

பல்லுயிரின வேறுபாட்டின் மதிப்புகளை எழுதுக.

14. (a) Illustrate Ecological Pyramids.

சூழ்நிலை பிரமிடுகள் பற்றி படத்துடன் விளக்குக.

Or

- (b) Describe Hot spots of Biodiversity.

பல்லுயிரின வேறுபாடு கொண்ட சிறப்பிடங்கள் பற்றி விவரி.

15. (a) Write in detail about causes of Marine Pollution.

கடல் நீர் மாசுபாட்டிற்கான காரணங்கள் பற்றி எழுதுக.

Or

- (b) Discuss the effect of Nuclear hazards.

அணுக்கரு ஆபத்துகள் எவ்வாறான விளைவுகளை ஏற்படுத்துகின்றன என்பதை எழுதுக.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Write an essay on conservation of Environment.

சுற்றுச்சூழலை பாதுகாத்தல் பற்றி ஒரு கட்டுரை வரைக.

17. List the forest resources. Add a note on their uses and over exploitation.

காடு வளங்கள் பற்றி எழுதுக. காடு வளங்கள் எவ்வாறு உதவுகின்றன, அவைகள் எவ்வாறு அதிகமாக உபயோகப் படுத்தப்படுகின்றன.

18. Describe an energy flow in the eco system.

ஒரு சூழிய தொகுதியில் ஆற்றல் ஓட்டம் எப்படி நடக்கிறது என்பதை விவரி.

19. List and explain threats to Biodiversity.

பல்லுயிரின வேறுபாட்டுக்கு ஏற்படும் அச்சுறுத்தல்களை வகைப்படுத்தி விளக்குக.

20. Give an account of Air Pollution.

காற்று மாசுபாட்டை பற்றி தொகுத்து எழுதுக.

**R6643**

**Sub. Code**

**92BPEP**

**B.Voc. DEGREE EXAMINATION, APRIL – 2022**

**Second Semester**

**Fashion Technology/Software Development**

**PROFESSIONAL ENGLISH FOR PHYSICAL  
SCIENCES – II**

**(Common for B.Voc. Fashion Tech./B.Voc. Software  
Development)**

**(CBCS – 2020 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What does coding mean?
2. What does relativity mean?
3. Write few of the persuasive techniques that a communicator adopts to succeed in his persuading act.
4. Name a few fitness trackers that you are familiar with.
5. What is note making?
6. What is electronics? Define it.
7. What is the difference between QR code and barcode?
8. Mention the names of a few acids.

9. Give meanings for the following.

Cortana, Alexa

10. Define the following.

Transducer, Microphone

**Part B**

(5 × 5 = 25)

Answer **five** of the following questions.

11. Write the summary of the passage “Calculus Can Save Life”.

12. Artificial Intelligence will soon become capable of authoring books. Express your opinions in a paragraph of about 200 words.

13. Arrange the words to form proper sentences.

- (a) dog Rahul with his pet playing enjoys.
- (b) to the company goods Vietnam exports.
- (c) she interested that was in proposal said she the.
- (d) was performance impressed with quite his I.
- (e) the please not do on grass step.

14. Write the meaning of the following words

Tedious, Vendor, Meagre, Commercialization, Retail.

15. Use the following phrases and make sentences of your own

- (a) in accordance with
- (b) find it difficult
- (c) to start with
- (d) effective and longstanding
- (e) kick his bucket off.

16. Create your own sentences using the following adjectives  
Awful, Pretty, Artistic, Mundane, Original.
17. Use appropriate punctuation marks in the following sentences.
- (a) We had a great time in France the kids really enjoyed it
  - (b) Some people work best in the mornings others do better in the evenings
  - (c) What are you doing next weekend
  - (d) Mother had to go into hospital she had heart problems
  - (e) Did you understand why I was upset
18. Write a circular related to Online Classes.

**Part C**

(3 × 10 = 30)

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

19. Fill in the blanks choosing the correct forms of the verbs given within brackets

We put a slice of lemon into a cup of strong tea and the tea \_\_\_\_\_(become) pale. We strike a match and a stick of wood \_\_\_\_\_ (burst) into flame and \_\_\_\_\_(turn) into charcoal. These \_\_\_\_\_ (be) all chemical reactions. The primeval man who \_\_\_\_\_ (learn) to light a fire was the first chemist. He \_\_\_\_\_ (accomplish) the first chemical reaction, that of combustion. And this reaction is most necessary, the most important in the history of mankind. It \_\_\_\_\_ (give) our distant ancestors the heat to warm their dwellings on cold days. In our time it \_\_\_\_\_ (open) the way to outer space by propelling rockets weighing many tons into the sky. The legend of Prometheus who gave fire to the people \_\_\_\_\_(be) at the same time the legend of the first chemical reaction.

20. Write an essay on the applications of AI in the fields of health, education, agriculture, and banking sectors.
21. (a) Frame sentences of your own using the following words:
- (i) Navigation
  - (ii) Warfare
  - (iii) Technology
  - (iv) Decode
  - (v) Electromagnetic
- (b) Categorize the following words depending on their functions as
- Nouns, Verbs, Adjectives and Adverbs in the sentences of the passage:
- Colourless, Plastics, Producing, Annually, Damage, Exposure, Properly, Irreversible, Released, Reactive
22. Read the following passage and answer the questions below. (5 × 2=10)

Once upon a time there was a famous poet named Lord Byron, who married a baroness named Annabella. Byron turned out to be a god-awful husband, but a pretty good poet. Byron spent most of his time “leching about” as the Brits say, but managed to sire one legitimate child, they named her Ada. Spurned by her husband’s infidelity, Annabelle was determined that her daughter would be the opposite of her artistic and impulsive father. Ada was brought up to focus on her mathematical brain, and mentored by some of the most respected math tutors of the day. Soon Ada’s talent in math began to get noticed in society, and she was invited to attend many high profile “salons” where intellectuals would gather to discuss innovations and inventions.

When she was 18 Ada met a man named Charles Babbage. A bit of an eccentric, Babbage was obsessed with the Jacquard Loom's ability to be programmed to produce different patterns. Determined to build his own programmable mathematical machine Babbage created designs for what he called the "analytical engine" which was intended to be a general purpose calculator. Ada was fascinated by the plans for the analytical engine, and Babbage was charmed by her intellect and analytical skills. Ada translated an article describing the analytical engine from Italian to English, a rather mundane task, but at the end of her translation she appended what she modestly titled "Notes."

Ada's "Notes" included a complete and detailed method for how to program the analytical engine to calculate Bernoulli numbers. Though Ada never lived to see the machine built, later when a model was created based on Babbage's original designs someone tried her program — and it worked! These notes are considered the first ever computer program.

Ada's contributions don't stop there. In her notes, Ada discussed the true importance of the analytical engine. She imagined that the analytical engine could be adapted to do more than mere number crunching, but ultimately to carry out any type of instructions delivered through symbolic reasoning, something well beyond what Babbage had envisioned. She wrote about the partnership between human creativity and machine execution, that machines could aid human innovation not only in math, but in art and design as well. She developed the first ever theories on how artificial intelligence would work alongside human intelligence, but never as a replacement. A theory that Alan Turing challenged in his work, but it is actually Ada's model that is still true to this day.



### Questions

- (a) Write few words about Byron
  - (b) What does Ada's notes include?
  - (c) What was Babbage obsessed with?
  - (d) How was Ada brought up?
  - (e) In what way Ada has impacted you?
23. Prepare minutes of meeting for Inaugural function of the English Association.
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**R6650**

**Sub. Code**

**9BS2C1**

**B.Voc. DEGREE EXAMINATION, APRIL – 2022.**

**Second Semester**

**Software Development**

**WEB TECHNOLOGY**

**(CBCS – 2019 onwards)**

Time : 3 Hours

Maximum 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** the questions.

1. Why does networking seem complex?
2. Define interoperability.
3. Mention some domain names that begin with www.
4. Write a short note on name resolution.
5. Differentiate HTML and XHTML
6. How do you create a form in HTML?
7. Write java script program to swap two values.
8. How to add a class to an element using javascript?
9. What are LESS mixins?
10. How to include bootstrap in the HTML file?

**Part B**

(5 × 5 = 25)

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

11. (a) Discuss the five key aspects of networking.

Or

- (b) Discuss the use of text in multimedia.

12. (a) List the difference between POP and IMAP.

Or

- (b) Describe the purpose and function of two protocols found at the application layer.

13. (a) How to display the current time in HTML textbox?

Or

- (b) How to add an image in the HTML page using javascript?

14. (a) How do you create multiple objects in java script? with example.

Or

- (b) How do you combine two or more arrays in javascript? Give an example.

15. (a) How to add bootstrap in HTML? Explain.

Or

- (b) List the advantages and disadvantages of bootstrap.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Describe the OSI reference model with neat diagram.  
17. Explain DNS hierarchy and server model.

18. Write HTML program to display class time-table.
19. Explain object creation and modification in javascript with suitable examples.
20. How to edit, customize and override bootstrap CSS to suit your brand? Explain.

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**R6651**

**Sub. Code**

**9BS2C2**

**B.Voc. DEGREE EXAMINATION, APRIL – 2022**

**Second Semester**

**Software Development**

**INTRODUCTION TO MULTIMEDIA**

**(CBCS – 2019 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** the questions.

1. Define digital media.
2. What is hypertext?
3. What are the various types of audio file formats?
4. What is MIDI files?
5. Write any four types of images formats.
6. Define photo retouching
7. Give any four animation file formats.
8. Define MPEG.
9. Define multimedia authoring.
10. What are the software are used to create flash files?

**Part B**

(5 × 5 = 25)

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

11. (a) Write a short notes on conventional media to digital media.

Or

- (b) How to choose the text font in multimedia? Explain.

12. (a) Write a short notes on audio software and hardware in multimedia.

Or

- (b) Briefly explain on audio compression and transmission on Internet.

13. (a) Discuss about still images.

Or

- (b) Write a short notes on colour models and colour palettes.

14. (a) Explain the difference between analog video and digital video.

Or

- (b) What are the principles of animations? Explain it.

15. (a) Explain the basic stages of multimedia authoring.

Or

- (b) Write a short notes on multimedia authoring tools.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Explain the various uses of multimedia.
  17. Discuss about the procedure that need to create multimedia project with adding sound.
  18. Explain the details about images and file formats in multimedia.
  19. Describe the four broadcast video standards in detail.
  20. How to create a multimedia project using flash? Draw a neat diagram.
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**R6644**

**Sub. Code**

**9BV4G1**

**B.Voc. DEGREE EXAMINATION, APRIL – 2022**

**Fourth Semester**

**Fashion Technology/Software Development**

**PROFESSIONAL ETIQUETTES**

**(Common for B.Voc. Fashion Technology/  
B.Voc Software Development)**

**(CBCS – 2019 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. How to greet a person professionally?
2. What is the purpose of using Business card?
3. What is the need for formal dress code?
4. What is the role of fragrance in conducting oneself professionally?
5. Mention the etiquettes involved in handling doors.
6. Why Cell phone etiquette is important in today's context?
7. Is dining etiquette all that important?
8. How to avoid elementary dining mistakes?
9. Give examples for cultural sensitivities with reference to a country of your choice.
10. What are the specific etiquettes to be followed during reservation in a hotel?



**Part B**

(5 × 5 = 25)

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

11. (a) Explain the need for Greeting someone.

Or

- (b) Discuss the role of etiquette in business.

12. (a) What are the characteristics of a well groomed individual?

Or

- (b) Discuss the role of hands and nails in grooming.

13. (a) What do you mean by work place etiquette?

Or

- (b) How to manage conflict in work place?

14. (a) How will you set table as part of dining etiquette?

Or

- (b) Briefly discuss about eating considerations.

15. (a) When is a person a bad guest?

Or

- (b) Discuss about cultural sensitivities.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Briefly describe about various aspects of Business etiquette.
  17. What are the etiquettes relating to personal grooming? Explain.
  18. Briefly discuss about :
    - (a) cell phone etiquette (5)
    - (b) meeting etiquette. (5)
  19. What are the principles to be followed as part of washing etiquette?
  20. Briefly discuss about travel etiquette.
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**R6652**

**Sub. Code**

**9BS4G2**

**B.Voc. DEGREE EXAMINATION, APRIL – 2022**

**Fourth Semester**

**Software Development**

**INTRODUCTION TO BPO**

**(CBCS – 2019 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What is the primary role of BPO?
2. Differentiate offshore BPO and onshore BPO.
3. Give the employee structure of the BPO industry.
4. What does a contact center do?
5. Specify the uses of Healthcare BPO.
6. Define activity profile.
7. Write a short note on Datamatics.
8. Mention the elements of a finance and accounting BPO.
9. Give any four examples of human resources.
10. What is HR business process outsourcing?

**Part B**

(5 × 5 = 25)

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

11. (a) List the pros and cons of BPO.

Or

- (b) Classify and explain BPO services.

12. (a) Explain any five skills required for BPO jobs.

Or

- (b) Write a short note on Intelenet global.

13. (a) Explain the types of BPO healthcare services.

Or

- (b) Write a note on Cbay systems.

14. (a) Explain the features of a transaction processing system.

Or

- (b) Explain the role of BPO in the insurance industry.

15. (a) Discuss the roles and responsibilities of HR.

Or

- (b) Explain the activities involved in HR BPO.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Discuss the threats and challenges that face the BPO industry in India.

17. Describe the types of BPO call centers.

18. Explain the future trends in Healthcare BPO.
  19. Explain Back-Office transaction processing services in detail.
  20. Discuss the reasons for outsourcing HR.
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**R6653**

**Sub. Code**

**9BS4C1**

**B.VOC. DEGREE EXAMINATION, APRIL – 2022**

**Fourth Semester**

**Software Development**

**OBJECT ORIENTED PROGRAMMING AND C++**

**(CBCS – 2019 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define procedure-oriented programming
2. What is meant by class?
3. Define member functions.
4. What is a friend class?
5. Define abstract class.
6. What is the use of '*this*' pointer?
7. What is the purpose of *unself()* function?
8. Which is the function used to get the current position of get pointer?
9. Define iterator.
10. List out any four important member functions of list class.

**Part B**

(5 × 5 = 25)

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

11. (a) Explain the structure of C++ program.

Or

- (b) Write note on operator precedence with an example.

12. (a) Explain how to define a function outside the class.

Or

- (b) Explain destructor with an example.

13. (a) Write short notes on virtual base class.

Or

- (b) Write a C++ program to read and display your name using pointers and string.

14. (a) Write a C++ program to read the contents of a file till the end of the file.

Or

- (b) Explain function template with an example.

15. (a) Write a C++ program to read two names and to find whether the names are equal or not using suitable string functions.

Or

- (b) Write notes on Data flow diagram.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Discuss various control structures of C++.
17. Write a C++ program to read and calculate the total and average marks of the students using array of objects.
18. Explain multiple inheritance with an example.
19. Explain any five *ios* format functions.
20. Draw and explain various notations and graphs of object-oriented concept.

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**R6654**

**Sub. Code**

**9BS4C2**

**B.Voc. DEGREE EXAMINATION, APRIL – 2022**

**Fourth Semester**

**Software Development**

**COMPUTER NETWORKS AND ADMINISTRATION**

**(CBCS – 2019 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define Internet.
2. What is node?
3. Why do we need encapsulation?
4. Write a note on switch.
5. Write the features of Ethernet.
6. What are the advantages of LAN?
7. Define IPV4.
8. What is cipher text?
9. Write a note on Authorization.
10. What are the devices used in network management?

**Part B**

(5 × 5 = 25)

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

11. (a) Why do we need computer network? Explain.

Or

- (b) What are the fundamentals of Data Communication? Explain.

12. (a) Describe the controls of Transport Layer.

Or

- (b) State the responsibilities of session layer.

13. (a) Write the characteristics of LAN.

Or

- (b) Describe the components of wireless LAN's.

14. (a) Differentiate between symmetric and Asymmetric cryptography.

Or

- (b) Explain in detail about digital signature.

15. (a) What is the purpose of network management protocols? Explain.

Or

- (b) How to measure performance in Network Management?

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Explain the classification of Computer Networks in detail.
  17. Write in detail about OSI layer with neat diagram.
  18. Describe about circuit switched networks.
  19. Write a detailed note on RSA algorithm.
  20. Discuss about Network Management protocols.
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**R6645**

**Sub. Code**

**9BV6G2**

**B.Voc. DEGREE EXAMINATION, APRIL – 2022**

**Sixth Semester**

**Fashion Technology/Software Development**

**FUNDAMENTALS OF DIGITAL MARKETING**

**(Common for B.Voc (Fashion Technology/  
B.Voc (Software Development))**

**(CBCS – 2019 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

**(10 × 2 = 20)**

Answer **all** questions.

1. What is marketing?
2. What is digital consumer?
3. Define internet.
4. Define testing.
5. What is social media?
6. What is e-mail marketing?
7. What is reputation management?
8. Define affiliate marketing.
9. What is mobile privacy?
10. What is holistic marketing?

**Part B**

(5 × 5 = 25)

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

11. (a) What are the technologies behind digital marketing?

Or

- (b) Describe the changing face of advertising.

12. (a) Write a short note on Tweaking.

Or

- (b) List out the way to digital marketing success.

13. (a) Describe the vital components of e-mail marketing.

Or

- (b) Explain the role of dashboard in social media.

14. (a) Write a short note on Reputation management.

Or

- (b) Describe the importance of affiliate marketing.

15. (a) Explain the benefits of blurred lines in marketing.

Or

- (b) Write a short note on mobile gaming.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Trace the digital evolution of marketing.  
17. Explain the importance of digital marketing.

18. Elucidate the various forms of social media.
  19. Explain the future of online PR and Reputation management.
  20. Write an essay on mobile privacy.
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**R6655**

**Sub. Code**

**9BS6E1**

**B.Voc. DEGREE EXAMINATION, APRIL – 2022**

**Sixth Semester**

**Software Development**

**SOFTWARE ENGINEERING**

**(CBCS – 2019 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** the questions.

1. What are the Advantages of incremental model?
2. Write any two characteristics of software as a product.
3. What are the types of software metrics?
4. What is COCOMO model?
5. What is Structured Analysis?
6. What are the various types of coupling?
7. Define White Box Testing.
8. What are the two levels of testing?
9. Define maintenance
10. How the CASE tools are classified?

**Part B**

(5 × 5 = 25)

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

11. (a) Write short note on Emergence of Software Engineering.

Or

- (b) Explain the prototyping model of software development model.

12. (a) Briefly explain the various Software Cost Estimation Techniques.

Or

- (b) Define Risk. Explain the needs and activities of risk management.

13. (a) What is the purpose of DFD? What are the components of DFD?

Or

- (b) What is Cohesion and explain the different types of Cohesion?

14. (a) Write short note Integration testing Techniques.

Or

- (b) Briefly explain the Basis Path testing.

15. (a) What are the characteristics of a software maintenance?

Or

- (b) Write a short note on Estimation of Maintenance Cost.



**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. With suitable illustration explain SPIRAL model evolutionary software development.
  17. Describe the Responsibilities of a Software Project Manager.
  18. What is UML? State its advantages and explain various symbols of it.
  19. Explain the various types of black-box testing methods.
  20. Explain about CASE repository functions in detail.
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