

D-8067

Sub. Code

**11A/13711/
0111/0311A**

DISTANCE EDUCATION

**Common for B.A./B.Sc./B.B.A./B.B.A. (Banking)/B.C.A/M.B.A.
(5 Year Integrated) DEGREE EXAMINATION, MAY 2025.**

First Semester

Part I — TAMIL PAPER — I

**(CBCS 2018 – 2019 Academic Year Onwards/2021 Calender
Year Onwards)**

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளி.

1. கண்ணதாசன் எழுதிய நூல்கள் யாவை?
2. பட்டுக்கோட்டை கல்யாண சுந்தரம்-குறிப்பு வரைக.
3. பாரத மாதா திருப்பள்ளி எழுச்சி கவிதையின் கரு யாது?
4. 'நோயற்ற வாழ்வு' கவிதையின் நோக்கம் என்ன?
5. சர்ப்பயாகம் கவிதையை எழுதியவர் யார்?
6. சிலப்பதிகாரம் உணர்த்தும் மூன்று உண்மைகள் யாது?
7. சிலப்பதிகாரத்தின் முதன்மைக் கதை மாந்தர் யாவர்?
8. கம்பராமாயணம்-நூல் குறிப்பு வரைக.
9. சீறாப்புராணம்-நூல் சிறப்பு யாது?
10. தேம்பாவணி-விளக்கம் தருக.

பகுதி ஆ — ($5 \times 5 = 25$ மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) கண்ணனின் சிறப்புகளை கண்ணதாசனின் பாடல் வழி விளக்குக.

(அல்லது)

- (ஆ) தொழிலின் மேன்மையினைப் பட்டுக்கோட்டையார் பாடல் உணர்த்தும் கருத்தினை எழுதுக.

12. (அ) உலகப்பன் பாடல் உணர்த்தும் கருத்தினை விளக்குக.

(அல்லது)

- (ஆ) தோழர் மோசிகீரனார் கவிதை வழி அறியப்படும் கருத்தினை எழுதுக.

13. (அ) சிலப்பதிகாரம்-நூலின் சிறப்புகள் யாவை?

(அல்லது)

- (ஆ) கம்பராமாயணம்-நூல் குறிப்பு வரைக.

14. (அ) சீறாப்புராணம்-நூலின் மேன்மையினை எழுதுக.

(அல்லது)

- (ஆ) கண்ணகியின் வழக்குத்திறனை எழுதுக.

15. (அ) வீரமாமுனிவரின் தமிழ்ப்பணி யாது?

(அல்லது)

- (ஆ) நபிகள் நாயகத்தின் மேன்மைகளைச் சுட்டுக.

பகுதி இ — ($3 \times 10 = 30$ மதிப்பெண்கள்)

எவையேனும் மூன்றனுக்கு கட்டுரை வடிவில் விடையளி.

16. பாரதமாத திருப்பள்ளி எழுச்சி பாடல் உணர்த்தும் கருத்தினை தொகுத்துரைக்க.
 17. வல்லிக் கண்ணனின் 'வெறும் புகழ்' கவிதை வழி அறியலாகும் செய்திகளைக் கட்டுரைக்க.
 18. வழக்குரை காதை வழி அறியப்படும் கருத்தினை விவரி.
 19. ஈத்தங்குலை வரவழைத்த படலம் கூறும் நபிகளின் மாண்பினைப் புலப்படுத்துக.
 20. தேம்பாவணி காட்சிப் படலம் உணர்த்தும் செய்திகளை கட்டுரை வடிவில் தருக.
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D-8068

Sub. Code

11B/0311B

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.B.A./
B.B.A.(Banking)/B.C.A./M.B.A.(5 Years Integrated) DEGREE
EXAMINATION, MAY 2025.**

First Semester

Part – I : COMMUNICATION SKILLS - I

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define communication.
2. State any two principles of effective communication.
3. Explain interpersonal communication.
4. Give an example for rising intonation.
5. Give two examples for a compound sentence.
6. Define “Topic sentence”.
7. Mention different types of report.
8. Give some examples for written communication.
9. Explain the importance of body language.
10. What is the objective of GD?

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) What are the advantages of group discussion?

Or

- (b) Explain the procedure involved in preparing a report.

12. (a) Mention some characteristics of an effective sentence.

Or

- (b) Write a paragraph on “My Dream”.

13. (a) Discuss different forms of oral communication.

Or

- (b) Prepare a report on the inauguration of library in your locality.

14. (a) Mention the steps involved in writing an essay.

Or

- (b) How will you participate in a group discussion?

15. (a) Explain the purpose of meetings.

Or

- (b) Explain the steps involved in preparing curriculum vitae.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Prepare an application for the post of Assistant Professor of English in a reputed college. Attach your curriculum vitae.
 17. Prepare a GD on the topic “Merits and Demerits of cashless economy”.
 18. Draft an essay on “Impact of Social Networking sites”.
 19. Describe non-verbal communication with examples.
 20. Discuss the various steps involved in preparing a speech.
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D-8069

Sub. Code

**12/13712/
0112/0312**

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.B.A./B.B.A. (Banking)/
B.C.A./M.B.A. (5 Year Integrated) DEGREE EXAMINATION,
MAY 2025.**

First Semester

Part II — ENGLISH PAPER - I

**(CBCS 2018 – 2019 Academic Year Onwards/
2021 Calendar Years Onwards)**

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. How does water help in the formation of fertile lands?
2. Why did Mrs. Packletide wish to kill a tiger?
3. Write a short note on “The Cats” being a persuasive essay.
4. Brief a note on the concept of “Survival of the fittest”.
5. Which period was considered the most fruitful years of Mahatma’s life in Africa?
6. List some of the cheapest energy sources as pointed out by J.B.S. Haldane.
7. What is an indefinite article?
8. What is an exclamatory sentence?

9. What is meant by developing hints?
10. Name the different elements of a paragraph.

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) How does C.V. Raman show that water is the real elixir of life?

Or

- (b) What are some of the character traits of Mrs. Packletide?

12. (a) What did Gandhi do in his probation year in India?

Or

- (b) "Haldane agrees and disagrees with the proposition that man is a machine" - Discuss briefly.

13. (a) Why are people often not able to see the harmful effects of drugs?

Or

- (b) Briefly discuss the defects of modern civilization as per Joad.

14. (a) Briefly discuss "Modals".

Or

- (b) What are the rules applied to transformation of sentences when a change in the degree is required?

15. (a) Enumerate on the different types of paragraph.

Or

- (b) Explain the brevity in letter writing.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Bring out the significance of water according to Sir. C.V. Raman.
 17. Explain the social and cultural values of the time in Saki's "Mrs. Packletide's Tiger".
 18. Evolution is a process. Do you agree? Give reasons.
 19. Explain the uses of different types of prepositions with examples.
 20. Discuss the paragraph writing process in detail.
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D-8176

Sub. Code

12913

DISTANCE EDUCATION

**B.Sc.(Information Technology) DEGREE EXAMINATION,
MAY 2025.**

First Semester

PRINCIPLES OF INFORMATION TECHNOLOGY

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define a computer.
2. What is meant by a communication?
3. Convert 28_{16} to binary.
4. Find 2's complement of 10001.
5. What is known as software?
6. Expand HTML and XML.
7. Define an internet.
8. What do you mean by an analog signal?
9. State the process of a compression.
10. Write a short note on database.

SECTION B — ($5 \times 5 = 25$ marks)

Answer ALL questions choosing either (a) or (b).

11. (a) Explain about the analog system.

Or

- (b) Discuss the recent developments of computer technology.

12. (a) Summarize the De Morgan's theorems.

Or

- (b) Demonstrate the steps for K-Map simplification for 2-variable.

13. (a) Describe the concept of object-oriented programming.

Or

- (b) Explain the integrated software and suites.

14. (a) Evaluate the method of video communication.

Or

- (b) Explain in detail about a modem.

15. (a) Give a brief note on Hard Disks.

Or

- (b) Examine the concept of file management system.

SECTION C — ($3 \times 10 = 30$ marks)

Answer any **THREE** questions.

16. Explain the connectivity in a communication.
 17. Evaluate the sum of product form (SOP) with an example.
 18. Elaborate the usage of word processing tool.
 19. Describe in detail about the communication networks.
 20. Discuss the mechanism of an optical disk.
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D-8070

Sub. Code

21A/0321A

DISTANCE EDUCATION

COMMON FOR B.A./B.Sc./B.B.A./B.B.A.

**(Banking)/B.C.A./M.B.A. (5 Year Integrated) DEGREE
EXAMINATION, MAY 2025.**

Second Semester

Part I — TAMIL PAPER – II

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் ஒரேரு வரிகளில் விடையளி.

1. தேம்பாவணி – குறிப்பு வரைக.
2. வீரமாமுனிவர் இயற்பெயர் என்ன?
3. சிறுகதை என்றால் என்ன?
4. 'கம்பன் புறத்திணை' நூலின் ஆசிரியர் யார்?
5. முதலெழுத்துகள் யாவை?
6. மொழிக்கு முதலில் வரும் மெய்யெழுத்துகள் யாவை?
7. அஃறிணைக்குரிய பால்களின் பெயரினை எழுதுக.
8. வினா வகைகள் யாவை?
9. தமிழில் தோன்றிய முதல் சிறுகதை யாது?
10. திருமுறை என்றால் என்ன? அவை எத்தனை?

பகுதி ஆ — ($5 \times 5 = 25$ மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) தேம்பாவணி காட்சிப் படலம் உணர்த்தும் கருத்தினைச் சுட்டுக.

(அல்லது)

(ஆ) தேம்பாவணி நூலின் சிறப்புகளைப் பட்டியலிடுக.

12. (அ) 'வானவீதியில்' கதையின் போக்கினை எழுதுக.

(அல்லது)

(ஆ) மொழி முதலெழுத்துகள் பற்றி விளக்குக.

13. (அ) விடை என்றால் என்ன? அதன் வகைகளை விளக்குக.

(அல்லது)

(ஆ) திணை குறித்தும் அதன் வகைகள் பற்றியும் எழுதுக.

14. (அ) ஆகுபெயர் குறித்து எழுதுக.

(அல்லது)

(ஆ) மரபு கவிதை கவிஞர்களின் பணிகள் குறித்து எழுதுக.

15. (அ) புதினம் என்றால் என்ன? அதன் வகைகள் குறித்து எழுதுக.

(அல்லது)

(ஆ) பெரியபுராணம் நூலின் சிறப்புகளை எழுதுக.

பகுதி இ — ($3 \times 10 = 30$ மதிப்பெண்கள்)

எவையேனும் மூன்று வினாக்களுக்கு கட்டுரை வடிவில் விடை தருக.

16. தேம்பாணி பாடல்கள் வழி அறியலாகும் கருத்துக்களை தொகுத்துரைக்க.

17. கம்பன் புறத்திணை நூல் உணர்த்தும் செய்தியினை கட்டுரைக்க.

18. ஒற்றெழுத்து மிகலும் மிகாமையும் குறித்து வரைக.
 19. புதுக்கவிதையின் தோற்றம் வளர்ச்சி குறித்து கட்டுரை வரைக.
 20. கிறித்துவர்கள் தமிழுக்கு ஆற்றிய தொண்டினை தொகுத்துரைக்க.
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D-8071

Sub. Code

21B/0321B

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.B.A./ B.B.A. (Banking)/
B.C.A./M.B.A. (5 Years Integrated) DEGREE EXAMINATION,
MAY 2025.**

Second Semester

Part I — COMMUNICATION SKILLS - II

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Why is feedback an important part of communication?
2. Name the various methods used for communication.
3. Why is focus on target group important in communication?
4. Write a short note on word power.
5. What are the different types of soft skills?
6. Write a short note on idioms and phrases.
7. What are business presentations?
8. What is publishing?

9. Mention the essentials of a good resume.
10. Write a short note on newsletters.

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) List the skills required in oral and written communication.

Or

- (b) Analyze the effectiveness of oral communication.

12. (a) What are the essential guidelines for effective speaking?

Or

- (b) Explain the two approaches used for teaching pronunciation with examples.

13. (a) Analyze the significance of language.

Or

- (b) What are the guidelines for effective presentation?

14. (a) Describe technical writing process.

Or

- (b) Explain the guidelines for conducting effective interviews.

15. (a) Discuss self-evaluation of creative writing.

Or

- (b) Discuss the advantages and disadvantages of press releases.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain the stimulus and response mechanism in communication with examples.
 17. Discuss various stages involved in the process of making presentations.
 18. Discuss the advantages of written communication over oral communication.
 19. Describe the format, characteristics and types of proposals.
 20. Analyze the significance of phonetics and pronunciation in professional communication.
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D-8072

Sub. Code

22/13722/ 0122/0322

DISTANCE EDUCATION

COMMON FOR

**B.A./B.Sc./B.B.A./B.B.A.(Banking)/B.C.A./M.B.A.(5 Year
Integrated) DEGREE EXAMINATION, MAY 2025.**

Second Semester

Part II — ENGLISH PAPER - II

**(CBCS 2018 – 2019 Academic Year Onwards/
2021 Calendar Year onwards)**

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. How does Wordsworth look upon the sun in 'Upon Westminster Bridge'?
2. What does the speaker refer to the urn?
3. What do the two roads represent in 'The Road not Taken'?
4. Who are the persons between whom the strange meeting takes place?
5. In what sense are the fishermen 'The sons of the sea'?
6. Where does the train reach at night?
7. Why did Shylock hate Antonio?
8. What was the condition in the will of Portia's father?

9. What happens to the property of shylock at the end?
10. Mention the characteristics of good notes.

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) Describe the mood and tone of Shakespeare's 'Sonnet XVIII'.

Or

- (b) How does Wordsworth describe London's beauty from 'Upon Westminster Bridge'?

12. (a) Draft the character of Andrea del Santo.

Or

- (b) How does Robert Frost feel about his decision at the end in 'The Road not Taken'?

13. (a) Bring out the significance of the title of the poem, 'Where the Mind is Without Fear'.

Or

- (b) How does Sarojini Naidu bring out the adventurous spirit of the fishermen's lives?

14. (a) Write a note on Antonio's friendship.

Or

- (b) Write a note on The Prince of Morocco.

15. (a) Write a paragraph on the following topic : Pleasure of writing.

Or

- (b) Write a report for The School Magazine.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write a critical appreciation of the poem, 'Ode on a Grecian Urn'.
17. Discuss - how does Owen portray death in his poem 'Strange meeting'.
18. Provide a critical analysis of Stephen Spender's 'The Express'.
19. Justify 'The Merchant of Venice' as a romantic comedy.
20. Read the passages and answer the questions given below:

To avoid the various foolish opinions to which mankind is prone, no superhuman genius is required.

A few simple rules will keep you out from silly error. If the matter is one that can be selected by observation, make the observation yourself. Aristotle could have avoided the mistake of thinking that women have fewer teeth than men, by the simple device of asking Mrs. Aristotle to keep her mouth open while he counted. He did not do so because he thought he knew. Thinking that you know when in fact you don't is a fatal mistake, to which we are all prone. I believe myself that hedgehogs eat black beetles, because I have been told that they do; but if were writing a book on the habits of hedgehogs, I should not commit myself until I had seen one enjoying this unappetizing diet. Aristotle, however, was less cautious. Ancient and medieval authors knew all about unicorns and salamanders; not one of them thought it necessary to avoid dogmatic statements about them because he had never seen one of them.

Questions :

- (a) What was the foolish opinion Aristotle had regarding women?
 - (b) What could he have done to avoid this foolish opinion?
 - (c) Why didn't Aristotle try to do that?
 - (d) What were the mistakes committed by Ancient writers while they wrote about unicorns?
 - (e) What would the writer do if he were to write a book on Hedgehogs? Why does he say so?
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D-8177

Sub. Code

12923

DISTANCE EDUCATION

**B.Sc. (Information Technology) DEGREE EXAMINATION,
MAY 2025.**

Second Semester

PROGRAMMING IN C AND DATA STRUCTURES

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. List out the data types in C.
2. Mention the purpose of break and continue statements in loop.
3. List out the various storage classes.
4. Give syntax for defining multidimensional array.
5. Differentiate structure and union.
6. What are the command line parameters?
7. What is stack organization?
8. What are the various positions of Queue?
9. What is the difference between tree and binary tree?
10. Give any two applications of tree data structure.

SECTION B — ($5 \times 5 = 25$ marks)

Answer ALL questions choosing either (a) or (b).

11. (a) Describe the various operators in C.

Or

- (b) Explain the formatted input and output statements in C.

12. (a) List and explain any five library functions in C.

Or

- (b) Discuss the features of pointers.

13. (a) How will you pass structures to functions? Explain with example.

Or

- (b) Write a C program to implement file handling in C.

14. (a) Explain the various stack operations.

Or

- (b) How will you perform insert and delete operation in a singly linked list? Explain.

15. (a) Explain the binary tree traversal techniques.

Or

- (b) Explain about Hashing techniques.

SECTION C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Describe the control statements in C with syntax and example.
 17. Write a recursive function to find the factorial of a given number.
 18. Illustrate structures and pointers.
 19. Explain the representation and implementation of stack.
 20. Illustrate the insert and delete operation on binary search trees.
-

D-8073

Sub. Code

**31A/13731/
0131**

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2025.**

Third Semester

Part I : TAMIL PAPER – III

**(CBCS 2018 – 2019 Academic Year Onwards/2021 Calendar
Year Onwards)**

Time : Three hours

Maximum : 75 marks

பகுதி அ — ($10 \times 2 = 20$ மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க.

1. பத்துப்பாட்டிலுள்ள புற இலக்கியங்களைச் சுட்டுக.
2. வாய்ப்புள் - பொருள் தருக.
3. ஐங்குறுநூற்றின் பாலைத்திணைப் பாடல்களைப் பாடியவர்?
4. மஞ்ஞைப் பத்து - சிறு குறிப்பு வரைக.
5. குறுந்தொகையில் எத்தனைப் பாடல்கள் உள்ளன?
6. நற்றிணையின் கடவுள் வாழ்த்தைப் பாடியவர்?
7. பாடாணித்திணை என்றால் என்ன?
8. 'நெடுந்தொகை' என்று கூறப்படும் சங்க நூல்?

9. பழமொழிநானூற்றின் ஆசிரியர் யார்?
10. இராசராசனின் தமக்கை பெயரைக் கூறுக.

பகுதி ஆ — ($5 \times 5 = 25$ மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) ஐங்குறுநூற்றின் அமைப்பு முறையை உணர்த்துக.
(அல்லது)
(ஆ) பரணரின் புலமைத்திறத்தைச் சான்றுகள் தந்து விவரிக்க.
12. (அ) குறிஞ்சித்திணைக்குரிய முப்பொருட்களைப் பட்டியலிடுக.
(அல்லது)
(ஆ) வரைவு நீடித்த வழித் தலைவி தோழிக்குரைத்த குறுந்தொகைப் பாடலை விளக்குக.
13. (அ) பருவம் கண்டு வருந்திய தலைவியின் புலம்பலை நற்றிணை வழி விவரிக்க.
(அல்லது)
(ஆ) அகநானூற்றின் நூல் பகுப்பை விளக்கி வரைக.
14. (அ) அறிவுடைமை குறித்த வள்ளுவரின் கருத்துக்களைத் தொகுத்துரைக்க.
(அல்லது)
(ஆ) நல்லோர் பிறக்கும் குடியை விளம்பிநாகனார் எங்ஙனம் பாடுகிறார்?
15. (அ) நாடகக் கதைப் கோப்பைச் சான்றுகளுடன் விளக்குக.
(அல்லது)
(ஆ) சுவடுகள் நாவலின் கதைச்சுருக்கத்தை எழுதுக.

பகுதி இ — ($3 \times 10 = 30$ மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. தலைவியின் துயரை முல்லைப்பாட்டு வழிப் புலப்படுத்துக.
 17. நற்றிணையிலுள்ள மணியான கருத்துக்களைத் தொகுத்துரைக்க.
 18. புறநானூற்றின் சிறப்புகளை நும் பாடப் பகுதியால் எடுத்துரைக்க.
 19. இராசராசசோழன் நாடகத்தில் கையாளப்பட்டுள்ள உத்திகளைக் கட்டுரைக்க.
 20. சுவடுகள் நாவலின் பாத்திரப் படைப்பை விரித்துரைக்க.
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D-8074

Sub. Code

31B

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2025.**

Third Semester

Part - I : HUMAN SKILLS DEVELOPMENT - I

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define human skills.
2. What is an interpersonal relationship?
3. Write the benefits of personality development.
4. What do you mean by self-esteem?
5. Mention any four negotiating skills.
6. What is a decision-making skills?
7. Name the types of attitudes.
8. What is a leadership skill?
9. Give some examples for human relation skills.
10. What is anger management?

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Write a paragraph on human skills.

Or

- (b) Write a short note on interpersonal skills.

12. (a) Describe why thinking is important.

Or

- (b) Give some tips for personality development.

13. (a) Describe the different types of goal setting skills.

Or

- (b) Explain what are the steps used in decision making.

14. (a) Narrate the characteristics of attitudes.

Or

- (b) Write a paragraph on common leadership styles.

15. (a) Describe benefits of human relations skills.

Or

- (b) Highlight the techniques of stress management skills.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Elucidate mind and its functions.
 17. Elaborate self-concept and self-esteem in your own words.
 18. Write an essay on negotiating skills.
 19. Sum up the characteristics and importance of change.
 20. Summarize the styles and strategies of conflict management.
-

D-8075

Sub. Code

32/13732/0132

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2025.**

Third Semester

PART - II : ENGLISH PAPER - III

**(CBCS 2018 – 2019 Academic Year Onwards/CBCS 2021
Calendar Year onwards)**

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Why did Swami's father want him to sleep alone?
2. Where was St. Peter's church located?
3. What did Natalya say about Guess?
4. How does uncle James threaten Philip?
5. How was Eddie Killed?
6. Where does the play "The Pie and the Tart" take place?
7. Who is Mark Tallis in "Reunion"?
8. Name the children of Sen Gupta in "The Refugee".
9. Define Pronoun with example.
10. State the importance of Minutes.

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Sketch the character of Mrs. Loisel in “The Diamond Necklace”.

Or

- (b) How did the verger treat his gowns?

12. (a) Describe the episode of the breakfast in “The Boy Comes Home”.

Or

- (b) What are Mrs. Meldon’s views about war?

13. (a) Compare and contrast the characters of Jean and Pierrie in “The Pie and the Tart”.

Or

- (b) Explain the significance of the title “Reunion”.

14. (a) Explore the themes of “A Kind of Justice”.

Or

- (b) Briefly analyse the role of Yassin in “The Refugee”.

15. (a) Frame sentences with the following adverbs.

- (i) Carefully
- (ii) Never
- (iii) Always
- (iv) Unfortunately
- (v) Well.

Or

- (b) Describe one of your happiest memories in a paragraph.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Narrate how a coward boy Swami became a hero overnight.
 17. How is loneliness depicted in “The Postmaster”?
 18. Describe the character of Mrs. Pryde in “The Silver Idol”.
 19. Enumerate the types of noun with examples.
 20. As the Manager of a Nature Park, write a notice in about 50 words prohibiting visitors from consuming any food items or beverages in the premises and warning them against littering.
-

D-8178

Sub. Code

12933/13133

DISTANCE EDUCATION

**B.Sc.(IT)/B.Sc.(IT)(Lateral Entry) DEGREE EXAMINATION,
MAY 2025.**

Third Semester

INTERNET AND JAVA PROGRAMMING

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. What is the Internet?
2. Write the role of a web browser.
3. Define Java Virtual Machine (JVM).
4. What are the four main principles of Object-Oriented Programming (OOP)?
5. Recall method overloading in Java.
6. How do you declare and initialize an array in Java?
7. Define Exception Handling in Java.
8. Write the function of multithreading in Java.
9. Compare byte streams and character streams in Java.
10. What is the difference between FileInputStream and FileReader?

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Outline the role of Domain Name System in Internet.

Or

- (b) How does Usenet Newsgroup function as a discussion platform on the internet?

12. (a) What are the key features of Java?

Or

- (b) What is the difference between Java and C++?

13. (a) Explain method overriding with an example

Or

- (b) Discuss about interface in Java with example.

14. (a) How multithreading is implemented in Java?

Or

- (b) What is an applet in Java, and how is it different from a standalone application?

15. (a) Analyze Byte stream classes in Java with example.

Or

- (b) How do you create a new file in Java? Explain with an example.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Describe the role of Internet Search Engines.
17. Explain constants, variables, and data types in Java with suitable examples.

18. Explain inheritance in Java with its types and provide a suitable example.
 19. Analyze Runnable interface in Java.
 20. Discuss about Random Access files in Java. How does the seek() method work? Provide an example.
-

D-8076

Sub. Code

**41A/13741/
0141**

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2025.**

Fourth Semester

Part I : TAMIL PAPER - IV

**(CBCS 2018 – 2019 Academic Year Onwards/ 2021
Calendar Year onwards)**

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் ஓரிரு வரிகளில் விடை தருக.

1. அசை எத்தனை வகைப்படும்? அவை யாவை?
2. சிந்து என்றால் என்ன?
3. முல்லைக்குரிய பெரும்பொழுது யாது?
4. புறப்பொருள் எத்தனை வகைப்படும்?
5. தற்குறிப்பேற்றம் என்றால் என்ன?
6. பிறிது மொழிதல் என்றால் என்ன?
7. தொல்காப்பியத்தின் ஆசிரியர் யார்?
8. பதினென் கீழ்கணக்கில் அறநூல்கள் எத்தனை? இரண்டினைக் கூறு.
9. சங்க இலக்கியத்தில் அகமும், புறமும் கலந்த நூல்கள் எத்தனை? அவை யாவை?
10. தளை எத்தனை வகைப்படும்?

பகுதி ஆ — ($5 \times 5 = 25$ மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் ஒரு பக்க அளவில் விடை தருக.

11. (அ) சீர் குறித்து எழுதுக.

(அல்லது)

(ஆ) வஞ்சிப்பா குறித்து எழுதுக.

12. (அ) அறத்தொடு நின்றல் குறித்து விளக்குக.

(அல்லது)

(ஆ) செவியறிவுறாஉ - விளக்குக.

13. (அ) உருவ அணியைச் சான்றுடன் விளக்குக.

(அல்லது)

(ஆ) சிலேடை அணியைச் சான்றுடன் விளக்குக.

14. (அ) எட்டுத்தொகை குறித்து எழுதுக.

(அல்லது)

(ஆ) பெரியபுராணம் குறித்து எழுதுக.

15. (அ) கம்பராமாயணம் குறித்து எழுதுக.

(அல்லது)

(ஆ) பாண்டியன் பரிசு குறித்து கட்டுரை வரைக.

பகுதி இ — ($3 \times 10 = 30$ மதிப்பெண்கள்)

எவையேனும் மூன்றனுக்கு மட்டும் கட்டுரை வடிவில் விடை தருக.

16. பாவகைகளுள் வெண்பா பெறுமிடம் குறித்து விவரி.

17. ஐந்திணைக்குரிய கருப்பொருட்கள் குறித்து கட்டுரை வரைக.

18. உவமை அணி குறித்து ஒரு கட்டுரை வரைக.
19. ஐம்பெரும் காப்பியங்கள் குறித்து ஒரு கட்டுரை வரைக.
20. பாஞ்சாலி சபதத்தில் பாரதியார் கூறும் கருத்துக்களைத் தொகுத்துரைக்க.
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D-8077

Sub. Code

41B

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2025.**

Fourth Semester

Part – I : HUMAN SKILLS DEVELOPMENT - II

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Guidance.
2. What are human relational skills?
3. State the importance of conceptual skills.
4. What are the techniques of delivering a presentation?
5. Give two examples for technical skills.
6. How far will visionary quality be helpful to a leader?
7. What is the difference between community and society?
8. Why are understanding skills important?
9. How do you define a problem?
10. What are the benefits of cooperative learning skills?

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Distinguish between guidance and counselling.

Or

- (b) Illustrate the need and importance of managerial skills.

12. (a) Write short notes on technical skills.

Or

- (b) Mention the basic qualities of a leader.

13. (a) Enumerate the steps to be followed in planning for a presentation.

Or

- (b) Explain the nature of organization skills.

14. (a) List out the ways to maintain relationship with others.

Or

- (b) Briefly explain understanding skills.

15. (a) Why is problem solving an important skill?

Or

- (b) How does an individual become socially responsible?

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Write an essay on human relational skills.

17. Discuss the importance of conceptual skills.

18. How do you manage multiple tasks simultaneously?
 19. Comment on the major interactions between individuals and groups.
 20. Bring out the benefits of cooperative learning skills.
-

D-8078

Sub. Code

42/13742/0142

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2025.**

Fourth Semester

Part - II : ENGLISH PAPER - IV

**(CBCS 2018 – 2019 Academic Year Onwards/2021 Calendar
Year Onwards)**

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. How did Lalajee show his gratitude to Jim Corbett?
2. What were the things that Eliza bought for the poor people in the hut?
3. Why does Alfred Doolittle want to meet Higgins?
4. Why did Swami go to the headmaster's room?
5. How is Shylock punished at the end of the play?
6. What does the lead casket contain?
7. When was Martin Luther king awarded the Nobel Prize?
8. Where did Toynbee meet Nehru for the first time?
9. Define clause.
10. What is a proverb?

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Compare and contrast the characters of Elisha and Efim.

Or

- (b) Narrate the experience of Klaas with the fairies.

12. (a) Examine the role of Mrs. Pearce in “Pygmalion”.

Or

- (b) What were the reasons behind Swami’s argument with Ebenezer?

13. (a) Why does Shylock demand Antonio’s flesh instead of money?

Or

- (b) How did Friar help Juliet?

14. (a) Explain the hardships faced by Negroes in America.

Or

- (b) What was Nehru’s reaction when he saw the general?

15. (a) Fill in the blanks with correct question tags :

- (i) We are late for the movies, _____?
- (ii) Please stop talking, _____?
- (iii) Rani never acts so rudely, _____?
- (iv) John will come tonight, _____?
- (v) They don’t like Chinese food, _____?

Or

- (b) Write a letter to the principal requesting for bonafide certificate for scholarship.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Justify the title of Tolstoy's "Little Girls Wiser than Men".
 17. Explore the transformation of Eliza in Shaw's Pygmalion.
 18. How does Shakespeare treat death in "Romeo and Juliet"?
 19. How does Toynbee describe the characteristics of Nehru?
 20. Write an essay on concord.
-

D-8179

Sub. Code

12943/13143

DISTANCE EDUCATION

**B.Sc.(Information Technology)/B.Sc.(IT) (Lateral Entry)
DEGREE EXAMINATION, MAY 2025.**

Fourth Semester

OPEN SOURCE SOFTWARE

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. What is the function of Kernel mode in Linux OS?
2. What are called signals in Linux?
3. Which MySQL command is used to terminate a session?
4. What is the purpose of sequences in MySQL?
5. Which function in PHP is used to include the content of one PHP file into another?
6. What is LDAP?
7. What are called python objects?
8. Give the syntax to define a class in python.
9. How do you declare a scalar variable in Perl? Provide an example.
10. Give any two data manipulation commands in Perl.

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Explain the application of Open sources.

Or

- (b) Outline the features of Linux OS.

12. (a) Explain the record selection technology in MySQL.

Or

- (b) Discuss about MySQL and web.

13. (a) Explain the various operators and statements in PHP.

Or

- (b) How will you define templates in PHP? Explain with syntax and example.

14. (a) Explain any five string handling functions in Python.

Or

- (b) Explain the concept of modules in Python.

15. (a) Explain the conditional control statements in Perl.

Or

- (b) How will you define modules and packages in Perl?? Explain with syntax.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Elucidate the scheduling mechanism in Linux OS.
 17. Write a MySQL query that selects all records from a table orders where the order date is within the last 30 days, sorts the results by order_date in descending order, and only includes orders with a total amount greater than INR 1000. Explain each part of the query.
 18. Write a PHP script to implement user defined functions.
 19. Explain Exception handling in python with a program code.
 20. Explain the file manipulation commands in Perl.
-

D-8180

Sub. Code

12951/13151

DISTANCE EDUCATION

**B.Sc. (IT)/B.Sc. (IT) (LE) DEGREE EXAMINATION,
MAY 2025.**

Fifth Semester

DISCRETE MATHEMATICS

(CBCS 2018 – 19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — ($10 \times 2 = 20$ marks)

Answer ALL the questions.

1. What is the Conjunction of P : It is raining today; Q : There are 20 tables in this room.
2. Symbolize the statement “All men are giants”.
3. Let $X = \{1, 2, 3, 4\}$. If $R = \{\langle x, y \rangle \mid x \in X \wedge y \in X \wedge ((x - y) \text{ is an integral nonzero multiple of } 2)\}$. Find R .
4. Define transitive closure.
5. Define range of function with example.
6. Define restriction and extension.
7. Define homomorphism.
8. Define subgroup.
9. Define path of a graph.
10. Define path matrix of a graph.

SECTION B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Show that

$$(\neg P \wedge (\neg Q \wedge R)) \vee (Q \wedge R) \vee (P \wedge R) \Leftrightarrow R.$$

Or

- (b) Show that $\neg P(a, b)$ follows logically from $(x)(y)(P(x, y) \rightarrow W(x, y))$ and $\neg W(a, b)$.

12. (a) Let $X = \{1, 2, 3, 4\}$ and $R = \{(x, y) \mid x > y\}$. Draw the graph of R and also give its matrix.

Or

- (b) Let $R = \{(1, 2), (3, 4), (2, 2)\}$ and $S = \{(4, 2), (2, 5), (3, 1), (1, 3)\}$. Find $R \bullet S, S \bullet R, (R \bullet S) \bullet R, S \bullet S, R \bullet R \bullet R$.

13. (a) Explain Hashing function.

Or

- (b) Show that $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$.

14. (a) Let $\langle N, + \rangle$ and $\langle Z_4, +_4 \rangle$ be the algebraic systems. Show that there exists a homomorphism from $\langle N, + \rangle$ and $\langle Z_4, +_4 \rangle$.

Or

- (b) State and prove the Lagrange theorem.

15. (a) Explain the isomorphic graph with example.

Or

- (b) From an ordinary deck of playing cards, cards are to be drawn successively at random and without replacement. Find the probability that the third spade appears on the sixth drawn.

SECTION C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Obtain the principal conjunctive normal form of the formula S given by $(\neg P \rightarrow R) \wedge (Q \not\Rightarrow P)$.
17. Let $X = \{1, 2, \dots, 7\}$ and $R = \{(x, y) \mid x - y \text{ is divisible by } 3\}$. Show that R is an equivalence relation. Draw the graph of R .
18. Let $X = \{1, 2, 3\}$ and f, g, h and s be functions from X to X given by
 $f = \{ \langle 1, 2 \rangle, \langle 2, 3 \rangle, \langle 3, 1 \rangle \}$, $g = \{ \langle 1, 2 \rangle, \langle 2, 1 \rangle, \langle 3, 3 \rangle \}$
 $h = \{ \langle 1, 1 \rangle, \langle 2, 2 \rangle, \langle 3, 1 \rangle \}$, $s = \{ \langle 1, 1 \rangle, \langle 2, 2 \rangle, \langle 3, 3 \rangle \}$
Find $g \circ f$; $f \circ g$; $f \circ h \circ g$; $s \circ g$; $g \circ s$; $s \circ s$ and $f \circ s$.
19. Let $\langle S, * \rangle$ be a given semigroup. Prove that there exists a homomorphism $g : S \rightarrow S^s$, where $\langle S^s, 0 \rangle$ is a semigroup of functions from S to S under the operation of (left) composition
20. State and prove Bayes' Theorem.

D-8181

Sub. Code

12952/13152

DISTANCE EDUCATION

**B.Sc.(Information Technology) B.Sc. (IT) (LE) DEGREE
EXAMINATION, MAY 2025.**

Fifth Semester

OPERATING SYSTEMS

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define an operating system.
2. What is known as the multitasking?
3. State the concept of a system call.
4. What is a critical section in process synchronization?
5. Define deadlock.
6. What is paging in memory management?
7. What do you mean by the round Robin scheduling?
8. What are the different types of file access methods?
9. What is trashing in memory management?
10. What is RAID in file systems?

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Explain different types of operating systems with examples.

Or

- (b) Discuss about the system programs.

12. (a) Summarize the operations on processes.

Or

- (b) Describe the process states and process control block (PCB).

13. (a) Describe the process of semaphores.

Or

- (b) Explain deadlock prevention technique.

14. (a) Evaluate the method of paging.

Or

- (b) Elaborate the fixed partition scheme with a neat diagram.

15. (a) Discuss the implementation of File system.

Or

- (b) Examine the concept of Disk Management.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain the structure of an operating systems.
 17. Discuss inter-process communication (IPC).
 18. What is a semaphore? Explain its types.
 19. Give an overview of memory allocation techniques.
 20. Inspect the storage structure in the file system.
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D-8182

Sub. Code

12953/13153

DISTANCE EDUCATION

**B.Sc.(IT)/B.Sc.(IT)(Lateral Entry) DEGREE EXAMINATION,
MAY 2025.**

Fifth Semester

**RELATIONAL DATABASE MANAGEMENT SYSTEM
(RDBMS)**

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define schemas.
2. What is the purpose of DDL?
3. Write a note on view.
4. List the selection set operations.
5. Recall the function of Null values.
6. State the purpose of triggers.
7. Compare atomicity and durability state in transaction.
8. Identify the function of buffer management.
9. Recognize the purpose of primary index.
10. What is B+ tree?

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Distinguish between database system vs File system.

Or

- (b) Outline the features of database design and ER diagrams.

12. (a) What are the key features of logical database design?

Or

- (b) Describe the functionality of tuple relational calculus with example.

13. (a) Illustrate Nested Queries with an example.

Or

- (b) Summarize the features of third normal form.

14. (a) List the transaction State.

Or

- (b) Discuss the timestamp based protocols.

15. (a) Analyze index data structure.

Or

- (b) Compare file organizations of data on external storage.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Describe the functionality of DDL and DML languages with example.
 17. Analyze any two selection and projection set operations with examples.
 18. Discuss the properties of fourth normal form.
 19. Recall the process of buffer management.
 20. Discuss about cluster, primary and secondary indexes in external storage.
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D-8183

Sub. Code

12961/13161

DISTANCE EDUCATION

**B.Sc.(Information Technology)/B.Sc. (IT) (L.E.) DEGREE
EXAMINATION, MAY 2025.**

Sixth Semester

.NET PROGRAMMING

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define .NET framework.
2. Define an array.
3. State the uses of the input box control.
4. List the purpose of the text box control in VB.NET.
5. Write an example of check box control.
6. List the purpose of a popup menus.
7. Comment on functions.
8. Define error handling.
9. Mention any two advantages of ADO.NET.
10. What is connection pooling in ADO.NET?

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Write a note on properties window.

Or

- (b) Discuss one-dimensional and multi-dimensional arrays with syntax and examples.

12. (a) Develop a VB.NET programming to adding two numbers using windows application.

Or

- (b) Compare radio button, check box and group box controls.

13. (a) Write a .NET program for data time picker using Windows application.

Or

- (b) Compare Rich text box and Masked text box.

14. (a) Illustrate the use of dialog boxes in .NET with an example program.

Or

- (b) Describe the purpose of Try (), finally () on exception handling.

15. (a) Describe Managed Data Providers in ADO.NET and explain their types.

Or

- (b) Discuss SQL command in ADO.NET and demonstrate its implementation with an example.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain the different types of control statements in VB.NET with examples.
 17. Describe the various Windows and Tools available in visual studio IDE.
 18. Describe any five additional controls with example.
 19. Discuss the purpose of multiple document interface (MDI) in detail.
 20. Demonstrate the working of dataset in ADO.NET with an example.
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D-8184

Sub. Code

12962/13162

DISTANCE EDUCATION

**B.Sc.(Information Technology)/B.Sc.(IT)(Lateral Entry)
DEGREE EXAMINATION, MAY 2025.**

Sixth Semester

SYSTEM ANALYSIS AND DESIGN

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. What is an abstract system?
2. List any two phases of SDLC.
3. What is system analysis?
4. Define a questionnaire in the context of system analysis.
5. List the purpose of the input design.
6. Name two major stages of system design.
7. What is structured design in system development?
8. What is a file in computing?
9. Mention the main components of an IPO chart.
10. Comment on database.

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Discuss the differences between an open and a closed system.

Or

- (b) Explain the role of system analysis and design in the SDLC process.

12. (a) Describe the role of stakeholders in the system analysis process.

Or

- (b) Explain the importance of observation as a fact-find technique.

13. (a) Summarize the structured design methodology and its advantages.

Or

- (b) Elucidate the importance of input validation in system design.

14. (a) Compare and contrast logical and physical design with examples.

Or

- (b) Differentiate between hierarchical and network databases.

15. (a) Explain the different types of flowcharts used in software design with suitable examples.

Or

- (b) Discuss different training methods used for system implementation.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Describe the concept of a Computer-Based Information System (CBIS) and its components.
 17. Discuss the role of case scenarios in system analysis and provide an example of its application
 18. Summarize the classification of forms using form design.
 19. Elucidate different types of databases and their applications in real-world scenarios.
 20. Explain the major phases used for hardware and software selection.
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D-8185

Sub. Code

12963/13163

DISTANCE EDUCATION

**B.Sc.(Information Technology)/B.Sc.(IT)(L.E) DEGREE
EXAMINATION, MAY 2025.**

Sixth Semester

MULTIMEDIA AND ITS APPLICATIONS

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Comment on multimedia.
2. Define the role of text in multimedia.
3. What is composite video signal?
4. List the purpose of digitization of sound.
5. Define lossless compression.
6. List the uses of dictionary-based coding.
7. Mention the types of video compression.
8. What are I-frames, P-frames, and B-frames?
9. Define quality of service (QoS).
10. Why MPEG-4 is used for multimedia networks?

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) List and describe different types of multimedia software tools.

Or

- (b) Explain the significance of the World Wide Web in multimedia communication.

12. (a) Distinguish the differences between analog and digital video.

Or

- (b) Explain the concept of quantization in audio.

13. (a) Explain Run-Length Coding (RLC) with an example.

Or

- (b) Examine arithmetic coding with an example.

14. (a) Discuss the motion estimation in video compression.

Or

- (b) List the applications of audio compression in detail.

15. (a) State the key components of a multimedia network in detail.

Or

- (b) Identify the role of multimedia over IP (Multimedia over Internet Protocol).

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Describe the components of multimedia and their importance in digital communication.
 17. Explain in detail about the digitization of sound, including sampling, quantization and encoding.
 18. Demonstrate Lossy Image Compression in detail.
 19. Discuss the video compression techniques.
 20. Examine multimedia over IP.
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