

D-4072

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 Years Integrated) DEGREE EXAMINATION, MAY 2024.

First Semester

Part I : TAMIL Paper – I

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

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க.

1. கண்ணதாசனின் இயற்பெயரைத் தருக.
2. பட்டுக்கோட்டை கல்யாணசுந்தரம் பிறந்த ஊர் யாது?
3. பாரதியார் பாடிய காவியங்கள் இரண்டினைக் குறிப்பிடுக.
4. பாரதிதாசனின் புனைப்பெயர்களைச் சுட்டுக.
5. கு.பா.ராஜகோபாலன் எக்காரணத்தால் அரசுப் பணியை விட்டார்?
6. இருமுறை சாகித்திய அகாதமி விருது பெற்ற தமிழ்க்கவிஞர்?
7. 'நேயர் விருப்பம்' என்ற கவிதை நூலின் ஆசிரியர்?
8. சிலப்பதிகாரத்தில் அமைந்துள்ள காதைகளின் எண்ணிக்கை?
9. எப்பெயரில் கம்பர் காப்பியம் படைத்தார்?
10. தேம்பாவணி – பொருள் விளக்கம் தருக.

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) 'குருவாயூருக்கு வாருங்கள்' எனக் கண்ணதாசன் அழைக்குமாற்றை விளக்குக.

(அல்லது)

- (ஆ) பட்டுக்கோட்டை கல்யாணசுந்தரத்தின் இலக்கியப் பணிகளைச் சுட்டியுரைக்க.

12. (அ) கண்ணனின் விளையாட்டுகளைப் பாரதியார் எங்ஙனம் பாடுகிறார்?

(அல்லது)

- (ஆ) பெ. தூரன் 'தளிர்க்கீற்று' என்று எதனைக் குறிப்பிடுகிறார்?

13. (அ) வல்லிக்கண்ணனின் வாழ்க்கைக் குறிப்பைச் சுருக்கி வரைக.

(அல்லது)

- (ஆ) மீராவின் தனித்துவத்தை 'பதினைந்து' என்ற கவிதையின் வழிக் கூறுக.

14. (அ) சர்ப்பயாகம் கவிதையில் பேசப்படும் பாம்புகளின் பெயர்களை எழுதுக.

(அல்லது)

- (ஆ) தலைவி கண்ணுக்கு மை எழுதாமெக்கான காரணங்களை எழுதுக.

15. (அ) வழக்குரை காதையின் செய்திகளைத் தொகுத்துரைக்க.

(அல்லது)

- (ஆ) இயேசு அனுபவித்த துன்பங்களைச் சூசை கூறுமாற்றை விளக்குக.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை
தருக.

16. கண்ணனின் பெருமைகளைக் கண்ணதாசன் பாடல்கள் வழிக்
கட்டுரைக்க.
17. பாரதியார் 'திருப்பள்ளி எழுச்சி' பாடுமாற்றை விளக்கி வரைக.
18. நோய்க்கான அறிகுறிகள் பற்றி நாமக்கல் கவிஞர்
கூறுவனவற்றை விவரிக்க.
19. கம்பராமாயண 'மந்திர படலம்' கூறும் செய்திகளைத்
தொகுத்துரைக்க.
20. நபிகள் நாயகம் ஈச்சங்குலை வரவழைத்தத் திறத்தை
எடுத்துரைக்க.

D-4073

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 Year Integrated) DEGREE EXAMINATION,
MAY 2024.

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. Mention different types of Communication.
2. Why anger is a psychological barrier to communication?
3. Define oral communication.
4. Explain falling intonation with an example.
5. What is a business letter?
6. What are the four types of sentence structure?
7. Define 'Essay'.
8. What are gestures?
9. What are the different types of Report?
10. Define 'Group Discussion'.

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the principles of Effective Communication.

Or

- (b) Discuss various forms of oral communication.

12. (a) Explain the importance of facial expressions and eye contact in communication.

Or

- (b) Rewrite as directed :

(i) As he was ill, he couldn't attend the class.
(Change into compound sentence)

(ii) It was a rainy day and he remained at home.
(Change into simple sentence)

(iii) When he saw a snake, he ran away. (Change into compound sentence)

(iv) He finished his home work and he went out to play. (Change into complex sentence)

(v) He wrote a novel (Analyse this sentence)

13. (a) Explain the salient features of an essay.

Or

- (b) Mention some characteristics of an Effective sentence.

14. (a) Explain different types of Reports.

Or

- (b) Discuss the importance of group discussion.

15. (a) How will you organise a meeting?

Or

(b) Explain the various steps involved in preparing application for Employment and curriculum – vitae.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the process of communication.
17. Discuss the importance of words and phrases in written communication.
18. Prepare an application for the post of Asst. Professor in English at Axc college Tiruchi, Attach your curriculum vitae.
19. Prepare a technical report about an accident in a company.
20. Prepare a Group Discussion on the topic “Uses and misuse of mobile phones”.

D-4074

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 2024.**

First Semester

Part II — ENGLISH PAPER – I

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

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. How does water help in the formation of fertile lands?
2. Was Mr. Packletide successful in her mission of killing a tiger?
3. What changes do Narwa and Haria follow during winter and summer regarding their profession?
4. How does Joad praise our civilization?
5. Write the dangers of our civilization as pointed out by Joad.
6. Who is considered the father of medicine?

7. Put the verbs in the brackets in the correct tense :
- (a) He _____ (work) for four hours when I _____ (arrive) here.
- (b) At this moment I _____ (do) an exercise on tenses.
8. Fill in the blanks with Prepositions :
- (a) I walked _____ the street.
- (b) He always keeps the keys _____ the pillow.
9. Fill in the blanks with suitable Articles :
- (a) How does _____ wounded tiger behave?
- (b) Which road is _____ right one?
10. Join the given sentences to form Compound Sentences :
- (a) My uncle is coming. My aunt is coming.
- (b) I knocked at the door. No one answered.

SECTION B — (5 × 5 = 25 marks)

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

11. (a) How does soil erosion happen and what are its main causes?
- Or
- (b) How did Miss. Mebbin manage to get her week-end cottage? Why did she plant so many tiger lilies in her garden?

12. (a) Why does Jim Corbett consider Haria as rescuer of Narwa in 'A Deed of Bravery'?

Or

- (b) What is the advise given by the author in 'On Letter Writing'?
13. (a) Why is our civilization more secure than previous civilizations according to C.E.M. Joad?

Or

- (b) Write a short summary of 'A Hero on Probation' by B.R. Nanda.
14. (a) Write a letter to the Principal of your college pointing out some of the difficulties you and other students have experienced in the college.

Or

- (b) Rewrite the following questions in Indirect Speech. Use the Simple Past Tense for the reporting verb :
- (i) What is your name?
- (ii) Where were you born?
- (iii) How big is your family?
- (iv) What time is it?
- (v) How often do you go to theatre?
15. (a) Rewrite the following sentences in the Passive Voice :
- (i) The thief pushed open the door.
- (ii) They have solved the mystery at long last.

- (iii) We did not expect to win.
- (iv) Somebody drove us round Delhi in a big car.
- (v) His loud cries woke me at about midnight.

Or

- (b) Write a paragraph on the following topic.
'Tele-play I enjoyed'.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

- 16. How does C.V. Raman explain the value of water in his essay, 'Water-the Elixir of life'?
- 17. Analyse the elements of satire in 'Mrs. Packletide's Tiger'.
- 18. Discuss the dangers of drug abuse as pointed out by Hardin B. Jones.
- 19. Write a paragraph on using the hints given below :
Three friends – set out on a journey pass through a forest – find a purse of gold – each one desires to possess the entire gold – one of them is sent to buy food – the other two plan to kill him – the first one brings poisoned food – the other two kill him on his arrival – eat the food and die – moral.
- 20. Build a dialogue between you and the librarian. You have gone to the library – search for a particular book – since not found you seek help from the librarian.

D-4181

Sub. Code

12913

DISTANCE EDUCATION

B.Sc. (IT) DEGREE EXAMINATION, MAY 2024.

First Semester

PRINCIPLES OF INFORMATION TECHNOLOGY

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is the “New Story” of computers and communications?
2. Name two developments in computer technology.
3. Define connectivity and interactivity.
4. What are the ethical considerations in information technology?
5. Explain the binary number system and provide an example.
6. Define cyber ethics.
7. What is compression in storage?
8. Give two examples of secondary storage devices.
9. Explain the concept of key field in database organization.
10. What are the features of a DBMS?

PART B — (5 × 5 = 25 marks)

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

11. (a) Discuss the major developments in computer technology and their impact on communications.

Or

- (b) Explain the concept of connectivity and its significance in computer and communications systems.

12. (a) Explain the process of converting a decimal number to its binary equivalent.

Or

- (b) Discuss the applications of Boolean algebra in simplifying logic expressions.

13. (a) Differentiate between application software and system software.

Or

- (b) Discuss the role of programming languages in software development. Compare object-oriented and visual programming.

14. (a) Discuss the practical applications of video conferencing in today's business environment.

Or

- (b) Explain the role of modems and communication software in computer-mediated communication.

15. (a) Compare different types of secondary storage devices, including diskettes, hard disks, and optical disks.

Or

- (b) Explain the concept of a key field in database organization and its importance.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain the analog and digital signals in the context of computer communications technology.
17. Describe about the Karnaugh maps and how can Karnaugh maps be used to simplify Boolean expressions?
18. Discuss the importance of internet programming using HTML, XML, Java and ActiveX.
19. Discuss the concept of cyber ethics in computer communications.
20. Explore the concept of databases and data management systems.

D-4075

Sub. Code

21 A/0321 A

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 2024.

Second Semester

Part I — TAMIL – Paper — II

(CBCS 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க.

1. தேம்பாவணியின் காப்பியத் தலைவன் பெயரைக் குறிப்பிடுக.
2. நீலபத்மநாபன் எழுதிய நாவல்கள் இரண்டினைக் குறிப்பிடுக.
3. நூலிலாட்டு – சிறுகுறிப்பு வரைக.
4. முதலெழுத்துக்களைச் சுட்டிக் கூறுக.
5. வேற்றுமைப் புணர்ச்சி என்றால் என்ன?
6. 'ஆசிய ஜோதி' என்னும் நூலின் ஆசிரியர்?
7. தனித்தமிழ் இயக்கம் கண்ட அறிஞர்?
8. முதல் ஆழ்வார்கள் யாவர்?
9. 'உதிரிப்பூக்கள்' என்னும் திரைப்படத்தை இயக்கியவர்?
10. 'சூடாமணி' என்னும் காப்பியத்தை இயற்றியவர்?

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) சாந்தி கேட்ட வேத உரையை வீரமாமுனிவர் எங்ஙனம் விவரிக்கின்றார்?

(அல்லது)

- (ஆ) வீரமாமுனிவர் வெளிப்படுத்தியுள்ள தமிழ்மரபுகளை எடுத்துரைக்க.

12. (அ) நீலபத்மநாபனின் 'வானவீதியில்' சிறுகதைச் சுருக்கத்தை எழுதுக.

(அல்லது)

- (ஆ) தாடகை வதையால் இராமன் பெற்ற பயன்களைச் சுட்டியுரைக்க.

13. (அ) சார்பெழுத்துக்களைச் சான்றுகளுடன் விளக்கி வரைக.

(அல்லது)

- (ஆ) அன்மொழித் தொகையின் இலக்கணத்தை விளக்கி வரைக.

14. (அ) புதுக்கவிதையின் வளர்ச்சி வரலாற்றைச் சுருக்கி எழுதுக.

(அல்லது)

- (ஆ) கவிஞர் கண்ணதாசனின் கவித்திறத்தை விளக்கி வரைக.

15. (அ) ஞானசம்பந்தரின் பக்தித்திறத்தைப் பாராட்டியுரைக்க.

(அல்லது)

- (ஆ) தமிழ் வானொலிகளின் சமூகப் பணிகளைப் புலப்படுத்துக.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. இயேசுபிரான் பொறை, மிடி, தாழ்வு கொண்டதன் காரணங்களை விளக்குக.
17. 'கருணைமனு' சிறுகதை உரைக்கும் கருத்துக்களைக் கட்டுரைக்க.
18. கம்பன் பேசியுள்ள புறத்திணைச் செய்திகளைத் தொகுத்துரைக்க.
19. தமிழில் பிறமொழிச் சொற்கள் ஆளும் முறைகளைப் புலப்படுத்துக.
20. பெரியபுராணம் பேசும் இல்லற மாண்பை எடுத்துரைக்க.

D-4076

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 Year Integrated) DEGREE EXAMINATION, MAY 2024.

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 questions.

1. Define the code of communication skills.
2. Why is timing important in communication?
3. What are the essential elements of communication process?
4. State the uses of feedback.
5. What is front vowel?
6. What are personal skills?
7. What is the most important component of a language?
8. What is the key sentence of the paragraph?
9. Who published newsletters?
10. What is a proposal?

PART B — (5 × 5 = 25 marks)

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

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

Or

- (b) Write about the merits and demerits of written communication.

12. (a) Describe back vowels.

Or

- (b) What is the difference between personal and interpersonal skills?

13. (a) What are the different types of soft skills?

Or

- (b) What are the rules to be followed while greeting or responding to a greeting?

14. (a) Write a note on passive listening.

Or

- (b) What are the characteristics of Technical Writing?

15. (a) What is Editing? Discuss its various types.

Or

- (b) What are the essential parts of a business letter?

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the various elements of communication skills.
 17. Discuss the ten commandments of Good speaking.
 18. Explain personal and inter-personal skills.
 19. Discuss the different skills required during interview.
 20. Draft a Good Resume.
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D-4077

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 Years Integrated) DEGREE EXAMINATION, MAY 2024.

Second Semester

Part II — ENGLISH PAPER – II

(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. Write the rhyme scheme of Shakespearean sonnet.
2. What is the message of 'Grecian urn'?
3. Who is Andrea Del Sarto?
4. Who is the speaker of the poem 'Strange' Meeting and explain the significance?
5. Explain the title 'Gitanjali'.
6. Which of the two roads did the poet choose and why?
7. The poet says, 'Let us set our catamarans free'. What does it mean?
8. Who is Portia in the drama 'The Merchant of Venice'?
9. What is the structure of an essay?
10. List any two methods of note-making.

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a critical note on Shakespearean sonnet.

Or

- (b) What qualities do you find in 'Andrea Del Sarto'?

12. (a) What are the Romantic characteristics in the poem 'Grecian urn'?

Or

- (b) How is Tagore's philosophy of life reflected in 'Gitanjali'?

13. (a) Where did the two roads diverge? What was the difficulty experienced by the poet?

Or

- (b) Write a critical appreciation of the poem the 'Strange Meeting'.

14. (a) Sketch the character of Shylock.

Or

- (b) How does the poet describe his experience from the Westminster Bridge?

15. (a) Write down the uses of note-making.

Or

- (b) Explain the two classification of Report Writing.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss the ultimate tone of the poem 'Andrea Del Sarto'.
 17. How does Keats' 'Grecian Urn' affect our thoughts?
 18. Describe Portia's argument in 'The Merchant of Venice'.
 19. Write an essay on 'The Road Not Taken'.
 20. Write a critical note on 'Forest in India'.
-

D-4182

Sub. Code

12923

DISTANCE EDUCATION

B.Sc. (IT) DEGREE EXAMINATION, MAY 2024.

Second Semester

PROGRAMMING IN C AND DATA STRUCTURES

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is Identifier?
2. Comment on Break and continue statement.
3. What is Recursion?
4. Define Pointers.
5. How to define a Structure?
6. Define file.
7. What is Stack?
8. Comment on Linked List.
9. Define Trees.
10. What is meant by Hashing Techniques?

PART B — (5 × 5 = 25 marks)

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

11. (a) Define variables. List out the rules for defining variables.

Or

- (b) Explain about branching and looping statement.

12. (a) Explain about C Program Structure.

Or

- (b) Briefly explain about string handling functions.

13. (a) Explain about Structures and Pointers.

Or

- (b) Give a note on unformatted data file.

14. (a) Briefly explain about Stack and its operations.

Or

- (b) Discuss about Singly Linked List.

15. (a) Differentiate Tree and Binary Tree.

Or

- (b) Explain about Binary Search Tree.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain various data types in C.
17. What is Array? List out various characteristics of array.

18. How to opening and closing a data file? Explain with example program.
 19. Discuss about insertion and deletion of Linked List.
 20. Illustrate on Binary Tree Traversals.
-

D-4078

Sub. Code

31A/13731

DISTANCE EDUCATION

**Common for B.A/B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2024.**

Third Semester

Part I : TAMIL — Paper III

**(CBCS 2018-19 Academic Year Onwards/CBCS 2021 Calendar
Year onwards)**

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க.

1. விரிச்சி கேட்டல் என்றால் என்ன?
2. மதுரைக்காஞ்சியின் ஆசிரியரைக் கூறுக.
3. அலர் - பொருள் தருக.
4. ஐங்குறுநூற்று வைப்புமுறையில் முதலில் அமைந்துள்ள திணை.
5. அகநானூற்றின் மூன்று பகுப்புகளை எழுதுக.
6. கையறுநிலை என்பதை விளக்குக.
7. 'நான்மணிக்கடிகை' பெயர்க்காரணம் தருக.
8. திருக்குறளின் சிறப்புப் பெயர்கள் இரண்டினை எழுதுக.
9. இராசராசசோழன் நாடகத்தின் ஆசிரியர்.
10. 'சுவடுகள்' நாவலின் கதைக்கரு யாது?

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) ஐங்குறுநூற்றைப் பாடியோர் வரலாற்றை எழுதுக.

(அல்லது)

(ஆ) கபிலரின் கவித்திறத்தைச் சான்றுகள் தந்து விளக்குக.

12. (அ) மஞ்சைப் பத்துப் பேசும் செய்திகளை விவரிக்க.

(அல்லது)

(ஆ) தலைவன் தன் நெஞ்சிற்குரைத்த குறுந்தொகைப் பாடல்களைச் சுட்டுக.

13. (அ) சிலப்பதிகாரச் சாயல் தரும் நற்றிணைப் பாடலைப் புலப்படுத்துக.

(அல்லது)

(ஆ) கிள்ளி வளவனை நப்பசலை எங்ஙனம் புகழ்ந்துரைக்கிறார்?

14. (அ) தூக்கமின்மை குறித்து நான்மணிக்கடிகை பேசுமாற்றை எழுதுக.

(அல்லது)

(ஆ) விமலாதித்தன் பாத்திரத்தின் முக்கியத்துவத்தைப் புலப்படுத்துக.

15. (அ) நாவலில் கதைப்பின்னல் அமையுமாற்றை விளக்குக.

(அல்லது)

(ஆ) சுவடுகள் நாவலின் 'ராசத்தி' பாத்திரப் படைப்பை விவரிக்க.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. முல்லைப்பாட்டு உரைக்கும் பாசறை நிகழ்வுகளைக் கட்டுரைக்க.
17. அகநானூற்றுச் சேந்தன்பூதனார் பாடல்களை எடுத்துரைக்க.
18. திருக்குறள் சிறப்புகளை நும் பாடப் பகுதியால் கருத்துரைக்க.
19. இராசராசசோழன் நாடகத்தின் கதைக்கோப்பை விவரிக்க.
20. சுவடுகள் நாவல் பேசும் சமூக அவலங்களைத் தொகுத்துரைக்க.

D-4079

Sub. Code

31B

DISTANCE EDUCATION

**Common for B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2024.**

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. Name five types of Human skills.
2. Define 'Interpersonal Behaviour'.
3. What is positive approach?
4. Why interruption is kind of irritative behaviour?
5. Why is feed back in social life is necessary?
6. Who told about the power of concentration on duties in The Bhagavat Geeta?
7. Who is an Introvert?
8. Define Self Efficacy.
9. Explain Decision-making skills.
10. Define Stress.

PART B — (5 × 5 = 25 marks)

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

11. (a) Is self-respect important to achieve one's goal?

Or

- (b) Define the power of advanced thinking.

12. (a) Is maintaining relationship important in life? Why?

Or

- (b) Define non-verbal communication and its importance.

13. (a) Bring out the benefits of time management in goal setting.

Or

- (b) Is decision-making an important skill in life?

14. (a) What are the strategies found in negotiation skill?

Or

- (b) What are the basic qualities of a leader?

15. (a) What are the ways to develop relationship with others?

Or

- (b) Is counseling necessary against stress complaint?

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss various methodologies of strategies to cope up with conflict.
 17. Describe the various types of attitudes.
 18. Elaborate all types of telephone etiquettes.
 19. Discuss the importance of duty, consciousness in life.
 20. Describe mind level and its functions.
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D-4080

Sub. Code

132/13732

DISTANCE EDUCATION

**Common for B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2024.**

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. How does Swami try to escape from sleeping alone in the office?
2. What is the Manager's advice to Foreman?
3. Why does Lomove want to get married?
4. How was Eddie killed?
5. Who is responsible for Sergeant Smith's death?
6. How does Mita bring change in Yassin?
7. Define conjunction with example.

8. Do as directed :
Sam is more intelligent than Peter (Into positive).
9. Define Minutes.
10. State the purposes of notice.

PART B — (5 × 5 = 25 marks)

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

11. (a) Comment on the end of the story “The Post Master”.

Or

- (b) How do the Loiseles manage to replace the necklace?

12. (a) How does Philip threaten Uncle James in dream?

Or

- (b) What do you learn from the play “The Silver Idol”?

13. (a) Describe the pathetic condition of Pierre and Jean.

Or

- (b) Why did the captain kill the girl’s husband?

14. (a) Why do the friends deviate from the promise in “Reunion”?

Or

- (b) What is Gupta’s attitude towards refugees in the beginning?

15. (a) Write short notes on adverb.

Or

(b) Describe your happy memory.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Examine the relationship between the post master and Ratan.

17. The Verger is a great opportunist – Discuss.

18. Discuss “Progress” as a an anti-war play.

19. How does Asif Currimbhoy picturise the pathetic condition of the refugees?

20. Do as directed :

(a) Gold is the most expensive of all the metals.
(Into positive)

(b) Chennai is bigger than many other cities.
(Into Superlative)

(c) No other animal is as dangerous as the man.
(Into comparative)

(d) Raju is one of the best batsman in the team. (Into positive)

(e) The train runs faster than cars. (Into positive)

D-4183

Sub. Code

12933/13133

DISTANCE EDUCATION

B.Sc. (IT)/B.Sc. (IT) (Lateral Entry) DEGREE EXAMINATION,
MAY 2024.

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 are the basic concepts of connecting to the internet?
2. What is platform independency?
3. Discuss the benefits and applications of object-oriented programming.
4. How does Java differ from C and C++?
5. Define a class and its components.
6. Explain the process of creating objects in Java.
7. What is Multithreaded programming and how is it implemented in Java?
8. Explain the concept of thread synchronization.
9. What are the different types of stream classes in Java?
10. How are input/output exceptions handled in Java?

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the role of the Domain Name System (DNS) in internet communication.

Or

- (b) How do internet search engines work and what is their purpose?

12. (a) What are the basic concepts of Object-Oriented Programmed (OOP) and its benefits?

Or

- (b) Explain the concepts of constants, variables, operators and expressions in Java.

13. (a) Define a class and explain the components of a class in Java.

Or

- (b) Discuss the concepts of constructors, methods of a class in Java.

14. (a) Describe multithreaded programming in Java.

Or

- (b) How do Java applets differ from applications and what is the process of creating and running applets?

15. (a) What are streams in Java, and how are they used for input and output operations?

Or

- (b) Discuss the concept of file management in Java.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Discuss the different forms of online communication, including online chatting, messaging, Usenet newsgroups and IRC.
17. Compare and contrast Java with C and C++ programming languages, highlighting their differences and similarities.
18. Explain the usage and significance of arrays, strings, vectors, wrapper classes and interfaces in Java.
19. Discuss error handling and exception management in Java.
20. Describe the process of input/output file management in Java.

D-4081

Sub. Code

41A/13741

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2024.**

Fourth Semester

Part I : TAMIL PAPER – IV

**(CBCS 2018 – 19 Academic Year onwards /
2021 Calendar Year onwards)**

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்கவும்.

1. குற்றியலுகரம் என்றால் என்ன?
2. தளையின் வகைகள் யாவை?
3. கலிப்பாவின் உறுப்புகளைக் கூறுக.
4. அகப்பொருளின் பாகுபாடுகள் யாவை?
5. வஞ்சினக் காஞ்சி என்றால் என்ன?
6. பொருள் அணிகள் எத்தனை வகைப்படும்?
7. சொல் அணிகள் எத்தனை வகைப்படும்?
8. அகநானூற்றைத் தொகுத்தவர் யார்?
9. சேர மன்னர்களின் சிறப்பைக் கூறும் எட்டுத் தொகை நூல் எது?
10. சீவக சிந்தாமணி எத்தனை இலம்பகங்களைக் கொண்டது?

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) வெண்பாவின் பொது இலக்கணம் கூறி அதன் வகைகளைச் சுட்டுக.
(அல்லது)
(ஆ) கண்ணி இலக்கண வகைமையைச் சான்றுடன் விளக்குக.
12. (அ) சீர் என்றால் என்ன? விளக்குக.
(அல்லது)
(ஆ) ஆசிரியப்பாவில் பயின்று வரும் தளைகள் குறித்து எழுதுக.
13. (அ) வரைவு கடாதலின் வகைகளை விளக்குக.
(அல்லது)
(ஆ) குறிப்பு வேற்றுமை அணி குறித்து எழுதுக.
14. (அ) அகநானூற்றின் சிறப்பினை விவரி.
(அல்லது)
(ஆ) ஆற்றுப்படை நூல்களின் செவ்வியல் தன்மையை விளக்குக.
15. (அ) திருக்குறளின் பொதுமைக் கோட்பாட்டை விவரி.
(அல்லது)
(ஆ) மௌன மயக்கங்கள் காவியம் உணர்த்தும் சமூகச் செய்திகளைக் கூறுக.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களுள் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. புதுக்கவிதையில் படிமத்தின் பங்களிப்பு குறித்து எழுதுக.
17. கற்புக் காலப் பிரிவுகள் குறித்து எழுதுக.

18. உவமை அணியின் விளக்கம் கூறி வகைகளை விளக்குக.
 19. எட்டுத்தொகையில் அகம் பற்றிய நூல்களை எழுதி அதன் சிறப்பியல்புகளை விவரிக்க.
 20. பாண்டியன் பரிசு காவியத்தில் வெளிப்படும் புரட்சிகரமான கருத்தினை எழுதுக.
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D-4082

Sub. Code

41B

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2024.**

Fourth Semester

Part I – HUMAN SKILLS DEVELOPMENT – II

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. What are the types of communication?
2. What is WIIFM?
3. What is the role of critical thinking?
4. What are Soft Skills?
5. Give the definition for 'Motivation'.
6. Mention any two steps used to develop vision of a leader.
7. Define Technical Communication.
8. Give the meaning of Managerial Skill.
9. What do you mean by Multi-Tasking?
10. What is emotional discomfort?

SECTION B — (5 × 5 = 25 marks)

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

11. (a) What are the common barriers to communication?

Or

- (b) What is the importance of Bloom's taxonomy of thinking?

12. (a) Write a note on Democratic Style of leadership.

Or

- (b) Write a note on Bureaucratic Style of a leader

13. (a) What are the components you should have to get a positive and healthy personality?

Or

- (b) What are the types of organisational skills?

14. (a) Discuss the skills involved in handling the problems.

Or

- (b) Write a note on problems solving skills.

15. (a) Write a short note on Time Management Skills.

Or

- (b) Write some of the behavioural changes that could be observed in a person who is affected with stress.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss the role of a counsellor.
 17. Write a model for a speech on orientation.
 18. Elucidate the differences between Hard and Soft Skills.
 19. Explain Cooperative Learning Skills.
 20. Discuss the importance of Problem Solving Skills.
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D-4083

Sub. Code

42/13742

DISTANCE EDUCATION

COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2024.

Fourth Semester

Part II — ENGLISH PAPER – IV

(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. What happened to the partner when Lalajee returned after his journey?
2. How was the boy suffering in 'A Day's Wait'?
3. Why does the crowd hiding from the rain get so upset with Higgins for taking notes of the Flower Girl's speech?
4. Why is Romeo exiled?
5. What is the story, *Swami* and *Friends* about?
6. Who are Polixenes and Leontes in *The Winter's Tale*?
7. What reason does Antonio give for being sad in the opening scene of the play, *The Merchant of Venice*?
8. What does the Nurse advise Juliet to do after Romeo is exiled?

9. Add Tag Questions :
- (a) Everyone has come, _____.
 - (b) Let's go home, _____.
10. Correct the following sentences :
- (a) A crate of apples and organs have been delivered.
 - (b) Either the husband or the wife have to go.

PART B — (5 × 5 = 25 marks)

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

11. (a) Describe Jim Corbett's experience with Lalajee.
- Or
- (b) Write a short summary of 'Little Girls Wiser than Men'.
12. (a) Describe the Stoic nature of the boy in 'A Day's Wait'.
- Or
- (b) What is the Pygmalion Myth?
13. (a) How does Swami navigate his desires for community and for freedom?
- Or
- (b) Discuss and analyse Leontes's jealousy.
14. (a) Discuss the relationship between Jessica and Shylock.
- Or
- (b) Apart from clashing with Tybalt, what role does Mercutio play in the story, *Romeo and Juliet*?

15. (a) How does Toynbee glorify Nehru?

Or

(b) Expand – ‘Pen is mightier than sword’.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Analyse ‘Two Old Men’ by Leo Tolstoy.

17. Sketch the character of Swami.

18. Discuss the relationships between parents and children in *Romeo and Juliet*.

19. Examine the courtroom scene in *The Merchant of Venice*. How does it illuminate the play’s major themes?

20. Build a dialogue between father and son. Son requests father to allow him to go abroad for higher studies.

D-4184

Sub. Code

12943/13143

DISTANCE EDUCATION

B.Sc. (IT)/B.Sc. (IT) (Lateral Entry) DEGREE EXAMINATION,
MAY 2024.

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 questions.

1. What is the Need of Open Source Systems?
2. Define Kernel mode and user mode.
3. How can you terminate the MySQL Server?
4. List out the properties of Strings.
5. What are the variable naming conventions in PHP?
6. List out the characteristics of LDAP.
7. Define sequence.
8. How to Create a Subclasses in python?
9. List out various data types of Perl.
10. What is the difference between *use* and *require* in Perl?

PART B — (5 × 5 = 25 marks)

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

11. (a) What are the different states of a process? State its attributes.

Or

- (b) Give the system call for cloning.

12. (a) Explain the tools that are available for managing MySQL Server.

Or

- (b) Explain about the MySQL and Web.

13. (a) Describe about single dimension associative arrays in PHP.

Or

- (b) Discuss about various models of LDAP.

14. (a) Define lists and dictionary. How they are different from each other? Discuss in detail about in Python Programming.

Or

- (b) Discuss about file handling in python.

15. (a) What factors do you take into consideration to decide if Perl is a suitable programming language for a situation? Explain the different types of data Perl can handle.

Or

- (b) Write a Perl subroutine that takes a text string as input parameter and returns the frequency of occurrences of various words in the text as a hash.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Compare and contrast between LINUX kernel mode and user mode.
17. Define Meta data. What is MySQL? Discuss how Meta data is handling in MySQL?
18. (a) Explain various program control statements in PHP with suitable examples. (6)
(b) Write a PHP program for sending and receiving E-Mails? (4)
19. Explain the error and exception handling mechanisms in Python with example.
20. (a) Write a PERL program to process a list of numbers. (6)
(b) Which functions in Perl allows you to include a module file or a module and what is the difference between them? (4)

D-4185

Sub. Code

12951/13151

DISTANCE EDUCATION

B.Sc. (IT)/B.Sc. (IT) (Lateral Entry) DEGREE EXAMINATION,
MAY 2024.

Fifth Semester

DISCRETE MATHEMATICS

(CBCS 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. What are normal forms in mathematical logic?
2. Define the predicate calculus.
3. Discuss the properties of relations.
4. Write short note on the concept of relation matrix and graph representation.
5. Define functions.
6. Explain in the concept of inverse functions.
7. Define algebraic structures and discuss their properties.
8. Discuss the concept of homomorphism semigroups and monoids.
9. What is matrix representation of graphs?
10. Define trees in graph theory.

PART B — (5 × 5 = 25 marks)

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

11. (a) Show that the formula $R \wedge (P \vee Q)$ is a valid conclusion from the premises

$$P \vee Q, Q \rightarrow R, P \rightarrow M, \text{ and } \neg\neg M.$$

Or

- (b) Show that the formula $Q \vee (P \wedge Q) \vee (P \wedge Q)$ is a tautology.
12. (a) Let $X = \{1, 2, 3, 4\}$ and $R = \{ \langle x, y \rangle \mid x > y \}$. Draw the graph of R and also give its matrix.

Or

- (b) Let A be a given finite set and $\rho(A)$ its power set. Let \subseteq be the inclusion relation on the elements of $\rho(A)$. Draw Hasse diagram of $\rho(A)$, \subseteq for
- (i) $A = \{a\}$
- (ii) $A = \{a, b\}$
- (iii) $A = \{a, b, c\}$.
13. (a) Discuss briefly about the Hashing function.

Or

- (b) Define characteristics function of a set and their properties.

14. (a) Determine all the proper subgroups of the symmetric group (S_3, \circ) .

Or

- (b) Define the homomorphism of semi group and given a suitable example.
15. (a) Explain about the conditional probability.

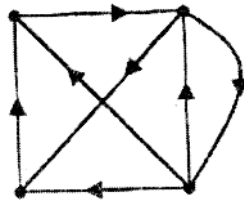
Or

- (b) Write briefly about walk, path and circuit in a connected graph.

PART C — $(3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Obtain the principle disjunctive normal form of :
 $P \rightarrow ((P \rightarrow Q) \wedge (Q \vee P))$.
17. Explore the properties of relations, including reflexivity, symmetry and transitivity. Provide example.
18. Show that $(f \circ h) \circ g = f \circ (h \circ g)$, given the functions $f(x) = x + 2$, $g(x) = x - 2$ and $h(x) = 3x$ for $x \in R$, where R is the set of real numbers.
19. State and prove Lagrange's theorem.
20. Obtain the adjacency matrix of the following digraph.



D-4186

Sub. Code

12952/13152

DISTANCE EDUCATION

**B.Sc. (IT)/B.Sc. (IT) (Lateral Entry) DEGREE EXAMINATION,
MAY 2024.**

Fifth Semester

OPERATING SYSTEMS

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define operating systems.
2. Write about the structure of an operating system.
3. Discuss the process scheduling.
4. List all the operations performed on processes.
5. What are the critical section problem and its solution?
6. Discuss the hardware support for synchronization.
7. List the memory management strategies used in operating systems.
8. Define paging.
9. Define file concept.
10. How directory structures are implemented in file systems?

PART B — (5 × 5 = 25 marks)

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

11. (a) Discuss the role of operating systems in computer system organization and explain their significance.

Or

- (b) Discuss the design and implementation considerations for operating systems.

12. (a) Describe the operations performed on processes in operating systems.

Or

- (b) Discuss the concept of interprocess communication and explain different mechanisms used for communication between processes.

13. (a) Discuss classic synchronization problems such as the producer-consumer and readers-writers problems.

Or

- (b) Compare and contrast different methods for handling deadlocks in operating systems.

14. (a) Describe the paging technique used in memory management and discuss its benefits.

Or

- (b) Explain the concept of segmentation and discuss its characteristics.

15. (a) Explain the concept of file system mounting and discuss the process of mounting a file system.

Or

- (b) Describe the implementation aspects of file systems.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss the structure and operations of an operating system.
17. Describe the process scheduling in operating systems.
18. Discuss the critical section problem and its solution using synchronization, including hardware support and the use of semaphores.
19. Compare and contrast different memory management strategies.
20. Explore the file concept and access methods in operating systems, including directory structures and file system mounting.
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D-4187

Sub. Code

12953/13153

DISTANCE EDUCATION

B.Sc. (IT)/B.Sc. (IT) (Lateral Entry) DEGREE EXAMINATION,
MAY 2024.

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. What is the ER model?
2. List the components of a database system.
3. Discuss the concepts of relational calculus.
4. What are comparison operators?
5. How do logical connectives (AND, OR, NOT) impact SQL constructs?
6. What are outer joins in SQL?
7. Define serializability, recoverability and isolation in transactions.
8. What are lock-based protocols?
9. Discuss the concept of performance tuning in database systems.
10. What are ISAM (Indexed Sequential Access Methods)?

PART B — (5 × 5 = 25 marks)

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

11. (a) Compare different data models and explain the basics of the ER model.

Or

- (b) Describe the role of transaction management and the components of a database system.

12. (a) Discuss the concept of views and the process of altering tables and views.

Or

- (b) Describe the concepts of relational algebra.

13. (a) Explain the use of comparison and aggregative operators in SQL, including handling NULL values.

Or

- (b) Describe the complexities and considerations of complex integrity constraints in SQL.

14. (a) Discuss lock-based protocols, timestamp-based protocols, and multiple granularity in concurrency control.

Or

- (b) Describe the concepts of recovery, log-based recovery, and buffer management in transaction systems.

15. (a) Explain the techniques and considerations for performance tuning in database systems.

Or

- (b) Describe the indexed sequential access method (ISAM) and the use of B+ trees as dynamic index structures.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the role of database systems in various applications and compare them with file systems.
 17. Explore the concept of integrity constraints in the relational model and their enforcement mechanisms.
 18. Analyze the form and components of a basic SQL query, including nested queries and correlated nested queries.
 19. Discuss the concepts of transactions, their states, and the implementation of atomicity, durability and concurrency control.
 20. Explain the concepts of file organization and indexing.
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D-4188

Sub. Code

12961/13161

DISTANCE EDUCATION

B.Sc. (IT)/B.Sc. (IT) (Lateral Entry) DEGREE EXAMINATION,
MAY 2024.

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. What is the Microsoft .NET Framework?
2. What are the key components of Microsoft .NET Framework?
3. List some of the Common Tool Box Controls in Visual Basic .NET IDE.
4. How do you set up the work environment in Visual Basic .NET IDE?
5. Define variables and constants in Visual Basic .NET.
6. Define data types in Visual Basic .NET?
7. What are the properties of a form in Visual Basic .NET?
8. What are the methods and events associated with form controls in VB .NET?
9. List various controls from the toolbox such as date time picker and list box.
10. List various controls from the toolbox such as combo box and picture box.

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the role and components of the Microsoft .NET Framework in software development.

Or

- (b) Discuss the features and benefits of the Common Language Runtime (CLR) environment in .NET programming.
12. (a) Discuss the properties and events of common controls like buttons, labels, and textboxes in .NET programming.

Or

- (b) Explain the process of handling user input using common controls in Windows Forms applications.
13. (a) Explain the functionality and usage of controls like DateTimePicker, ListBox, and ComboBox in .NET programming.

Or

- (b) Explain the concept of Multiple Document Interface (MDI) and its implementation in Windows Forms applications.
14. (a) Discuss the structured and unstructured error handling mechanisms.

Or

- (b) Explore the inbuilt mathematical and string manipulation functions available in .NET programming.

15. (a) Discuss the ADO.NET object model and its components.

Or

- (b) Explain the concepts of bounded and unbounded data access in ADO.NET.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the features and benefits of the .NET Framework class library in .NET programming.
17. Discuss the differences between procedure-oriented, object-oriented, and event-driven programming paradigms in the context of Windows Common Controls.
18. Discuss the process of creating menus, assigning shortcuts, and handling events in .NET applications.
19. Discuss the usage and implementation of dialog boxes such as OpenFileDialog and SaveFileDialog in .NET applications.
20. Discuss the process of creating a database application in .NET using ADO.NET.

D-4189

Sub. Code

12962/13162

DISTANCE EDUCATION

B.Sc. (IT)/B.Sc. (IT) (Lateral Entry) DEGREE EXAMINATION,
MAY 2024.

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 adoptive maintenance?
2. Define System Analyst.
3. What are the types of CBIS?
4. Define analysis stage of the system development life cycle.
5. How to design the physical system?
6. Define relational database.
7. What is mean by file conversion?
8. What is closed system?
9. Define conversion methods.
10. Define Elements of a System.

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the role and characteristics of system.

Or

- (b) Explain the various conversion methods.

12. (a) Write a note on the methods of file organization.

Or

- (b) Discuss the uses of various analysis tools.

13. (a) What are the skills are needed for system analyst?

Or

- (b) What is Input validation? Explain its concepts.

14. (a) Difference between parallel processing and system testing.

Or

- (b) Explore the procedure for questionnaire construction.

15. (a) Briefly explain the Post implementation review in detail.

Or

- (b) Explain elements of a system with neat diagram.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the concept of system evaluation and implementation.
 17. Describe the phases of System Development Life Cycle.
 18. Illustrate the importance of quality assurance.
 19. Explain the procedure of hardware and software selection in system maintenance.
 20. Describe the design methodologies with hierarchy diagram.
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D-4190

Sub. Code

12963/13163

DISTANCE EDUCATION

**B.Sc. (IT)/B.Sc. (IT) (Lateral Entry) DEGREE EXAMINATION,
MAY 2024.**

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. What are graphics/image data types?
2. List few file formats of images.
3. What are color models in images?
4. Define color science.
5. What is Lossless Image Compression?
6. Define Quantization.
7. List some Lossy compression algorithm.
8. Name a few Basic Audio Compression Techniques.
9. Expand MPEG.
10. How the sound is digitized?

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the concept of MIDI.

Or

- (b) Describe WWW.

12. (a) Write short notes on Audio compression techniques.

Or

- (b) Discuss the uses and objectives of multimedia network.

13. (a) Discuss the limitations of data compression. How to overcome it?

Or

- (b) What are the characteristics of multimedia networks? Explain.

14. (a) Difference between lossy and lossless compression algorithms.

Or

- (b) Explore the software tools used for multimedia.

15. (a) Write short notes on Media-On-Demand (MOD).

Or

- (b) Explain Multimedia and hypermedia in detail.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain the various color models in images and videos.
 17. Illustrate various lossless data compression algorithms with examples.
 18. Briefly explain the popular file formats.
 19. Explain the concept of Digitization of sound in multimedia.
 20. How to determine the quality of Multimedia Data Transmission? Explain.
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