

**D-7120**

**Sub. Code**

**11A/13711**

**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,  
DECEMBER 2022.

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. ஸ்ரீ கிருஷ்ண கானம் யாரால் பாடப்பட்டது?
2. பாரதியாரின் இயற்பெயர் என்ன?
3. தீராத விளையாட்டுப் பிள்ளை யார்?
4. பெ.தூரன் 'தளிர்க் கீற்று' என்று எதனைக் குறிப்பிடுகிறார்?
5. வல்லிக் கண்ணன் பிறந்த ஊர் எது?
6. மீரா. வின் படைப்புகள் இரண்டினைக் கூறுக.
7. கவிஞர் ஞானக்கூத்தனுக்கு மோசிகீரனார் மேல் அன்பு தோன்றக் காரணமென்ன?
8. சிலப்பதிகாரக் காண்டங்கள் எத்தனை? அவை யாவை?

9. “தேரா மன்னா செப்பு வ துடையேன்” - யார் கூற்று? யாரைக் கூறியது?

10. சீறாப்புராணத்தை இயற்றியவர் யார்?

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க.

11. (அ) “குருவாயூருக்கு வாருங்கள்” பாடலின் கருத்துக்களை விளக்குக.

(அல்லது)

(ஆ) செய்யும் தொழிலின் மேன்மையைப் பட்டுக்கோட்டையார் வழி நின்று விளக்குக.

12. (அ) பாரத மாதாவின் பழம் பெருமைகளை விளக்குக.

(அல்லது)

(ஆ) ‘உலகப்பன் பாட்டு’ வழிப் பாரதிதாசனின் பொதுவுடைமைக் கருத்துக்களை விவரி.

13. (அ) ‘நிலாப்பிஞ்சு’ கவிதையில் பெ.தூரனின் இயற்கை வருணனையை விளக்குக.

(அல்லது)

(ஆ) வெறும் புகழால் என்ன பயன் என்பதை வல்லிக்கண்ணன் கவிதை வழி விளக்குக.

14. (அ) ‘கண்ணும் எழுதேம்’ கவிதையில் அப்துல் ரகுமானின் கவிச்சிறப்பை ஆராய்க.

(அல்லது)

(ஆ) கண்ணகியின் வரவை வாயிலோன் உரைத்த திறம் குறித்து எழுதுக.

15. (அ) தயரதன் வினாவும் மன்னர்கள் மறுமொழியும் குறித்து விளக்குக.

(அல்லது)

(ஆ) வீரமாமுனிவரின் தமிழிலக்கியத் தாக்கத்தைத் தேம்பாவணி வழி விளக்குக.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

எவையேனும் மூன்றனுக்கு விடையளிக்க.

16. கண்ணனைக் குழந்தையாகப் பாவித்த கண்ணதாசனின் பாடற்கருத்துக்களைத் தொகுத்து எழுதுக.

17. நாமக்கல் கவிஞரின் நோயற்ற வாழ்வு குறித்துக் கட்டுரை வரைக.

18. பாரதிதாசனின் உலகப்பன் பாட்டு - விளக்கும் சமத்துவ சமுதாயத்தைக் கட்டுரைக்க.

19. வழக்குரை காதை கூறும் செய்திகளைத் தொகுத்து எழுதுக.

20. ஈத்தங்குலை வரவழைத்த படலக் கருத்துக்களை விளக்கி எழுதுக.

**D-7121**

**Sub. Code**

**11B**

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, DECEMBER 2022.

First Semester

English

Part I – COMMUNICATION SKILLS – I

(CBCS 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions

1. What are the components of communication?
2. Define rhetorical communication.
3. How does intonation affect the meaning?
4. How does stress and intonation improve spoken communication?
5. What is the accentual function of intonation?
6. What is topic sentence of a paragraph?
7. What are the steps to be followed while drafting the matter?

8. Why is eye contact important in non-verbal communication?
9. What is dynamic posture and static posture?
10. Mention some important techniques for presentation skills.

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a short note on Intra-personal communication and Inter-personal communication.

Or

- (b) How is communication a dynamic process? Explain.

12. (a) What are the advantages and disadvantages of oral communication?

Or

- (b) Are tone and intonation important for communication? Discuss.

13. (a) Who is considered as 'effective speaker'? What are the points to be kept in mind while evaluating the ability of the speaker?

Or

- (b) Write a paragraph on "Impact of Covid-19 on world economy".

14. (a) Write about some facial expressions.

Or

- (b) Write an application for the post of Peon in a private bank.

15. (a) Write a report on 'Pongal Celebration' at your college.

Or

(b) Which is the very important aspect of body language?

PART C — (3 × 10 = 30 marks)

Answer any THREE questions

16. What are the types of communication? Explain.

17. Give detailed distinction between informal oral communication and formal oral communication.

18. What are the four types of essays? Explain.

19. What are the types of reports? Explain.

20. How do you write the purpose and objective of a meeting?

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**D-7122**

**Sub. Code**

**12/13712**

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, DECEMBER 2022.

First Semester

Part II – ENGLISH PAPER – I

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

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions

1. Write about the power and beauty of the element, "Water".
2. How does the end of Mr. Packletide's big-game shooting?
3. List out Carl Sagan's notions of the emergence of human ancestors.
4. How is the picture of Gandhi portrayed in *A Hero on Probation*?
5. Write a short note on the deficiency diseases.
6. Define Gerunds. Give examples.
7. What are called prepositions?
8. Fill in the blanks with suitable auxiliary verbs:
  - (a) \_\_\_\_\_ I speak to Principal, please?
  - (b) \_\_\_\_\_ I use your pen, please?
9. Fill in the blanks with appropriate articles:
  - (a) John eats \_\_\_\_\_ fruits in your garden.
  - (b) There were many flowers in the park. One flower was \_\_\_\_\_ Rose.
10. Write a short note on formal letter.

PART B — (5 × 5 = 25 marks)

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

11. (a) Write briefly about the conservation and utilization of water which is fundamental for human welfare.

Or

- (b) Bring out the reasons why Gardiner considers letter writing as a art which is lost.

12. (a) Write a short note on body building.

Or

- (b) Consider 'A Dead of Bravery' as a tale of courage of an ordinary villager demonstrated in rescuing his friend from the jaws of death.

13. (a) Comment on the title *A Hero on Probation*.

Or

- (b) Give an account of *Our Civilization*

14. (a) Fill in the blanks with suitable preposition:

I do not want \_\_\_\_\_ feed a typewriter  
\_\_\_\_\_ streets \_\_\_\_\_ paper  
\_\_\_\_\_ lose the use \_\_\_\_\_ my legs  
\_\_\_\_\_ travelling always \_\_\_\_\_ car, or  
\_\_\_\_\_ be summoned, \_\_\_\_\_ or  
\_\_\_\_\_ warning.

Or

- (b) Fill in the blanks with suitable articles:

\_\_\_\_\_ unusual occurrence in \_\_\_\_\_ Chambal  
Valley of \_\_\_\_\_ Madhya Pradesh has baffled  
\_\_\_\_\_ government officials. \_\_\_\_\_  
Elephant from \_\_\_\_\_ reserve forest that had  
strayed out walked into \_\_\_\_\_ old and  
abandoned railway station building \_\_\_\_\_  
week ago. Ever since then it has refused to move  
out. All efforts by \_\_\_\_\_ forest officials to persuade  
\_\_\_\_\_ tusker to go back into \_\_\_\_\_  
forest.



15. (a) Write a letter to your friend about your recent tour to Ooty.

Or

- (b) Change the voice
- (i) The company requires staff to watch a safety video every year.
  - (ii) The teacher always answers the students' questions.
  - (iii) A forest fire destroyed the whole suburb.
  - (iv) The children have broken the window glass.
  - (v) Rita will be invited by Seetha.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions

16. Write a brief note on the character of the cat by Katharine M. Wilson?
17. How does A.G. Gardiner argue for the preservation of the art of letter writing? Elaborate.
18. Write an essay on the dangers of drug abuse.
19. Turn the following sentences into indirect speech.
- (a) The poor man exclaimed, 'Will none of you help me?'
  - (b) Azar said to the magician, 'What have I done to deserve so severe a punishment?'
  - (c) 'Have you anything to say on behalf of the accused?' said the judge finally.
  - (d) 'The king was impressed with the magician and asked, 'What can I do for you?'
  - (e) She asked, 'What is it that makes you stronger and braver than other men?'
20. Read the following and write a summary of it. Suggest a title.

There are two problems that cause great worry to our educationists, the problem of religious and moral instruction in a land of many faiths, and the problem arising out of a large variety of languages. Taking up the education of children, we see that they should be trained

to love one another, to be kind and helpful to all, to be tender to the lower animals, and observe and think aright. The task of teaching them how to read and write and to count and calculate is important, but it should not make us lose sight of the primary aim of moulding personality in the right way. For this it is necessary to call into aid culture, tradition and religion. But in our country we have, in the same school, to look after boys and girls born in different faiths and belonging to families that live diverse ways of life and follow forms of worship associated with different denominations of religion. It will not do to tread the easy path of evading the difficulty by attending solely to physical culture and intellectual education. We have to evolve a suitable technique and method for servicing the spiritual needs as school children practise different faiths. We would thereby promote an atmosphere of mutual respect, a fuller understanding and helpful co-operation among the different communities in our society. Again, we must remain as one people, and we have therefore to give basic training in our schools to speak and understand more languages than one and to appreciate and respect the different religions prevailing in India. It is not right for us in India to be dissuaded from this by considerations as to overtaxing the young mind. What is necessary must be done. And it is not in fact too great a burden.

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**D-7221**

**Sub. Code**

**12913**

DISTANCE EDUCATION

B.Sc. DEGREE EXAMINATION, DECEMBER 2022.

First Semester

Information Technology.

PRINCIPLES OF INFORMATION TECHNOLOGY

(CBCS 2018 – 19 Academic year onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Communication.
2. List out the uses of communication systems.
3. What is the need of spreadsheet?
4. Specify any two database software.
5. What is Internet?
6. Expand : EDI
7. What do you mean by compression and decompression?
8. What are the different storage devices available to store the files?
9. Outline the term System.
10. List any two ActiveX controls.

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the revolution of computer and communications.

Or

- (b) Write a short note on ethics of Information Technology.

12. (a) What is User Interface? Explain its features.

Or

- (b) Discuss about Presentation graphics software.

13. (a) Illustrate the video and voice communication.

Or

- (b) What is Virtual office? Explain its concepts.

14. (a) Briefly discuss about the Multimedia and Knowledge Storage Capacity.

Or

- (b) Elaborate the basic concepts of Data Management System.

15. (a) Write brief note on Compression and Decompression

Or

- (b) Give details for any two Internet Programming Languages.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the Ethics of Information Technology in detail.
  17. Discuss the various types of application software.
  18. Give a brief account on ISDN lines and cable modems.
  19. Explain the different types of database organization.
  20. Illustrate the six phases of System Analysis and Design.
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**D-7123**

**Sub. Code**

**21A**

**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,  
DECEMBER 2022.

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 விடையளிக்க.

1. தேம்பாவணி - ஆசிரியர் குறிப்புத் தருக.
2. நீலபத்மநாபன் எழுதிய 'தாய்' என்னும் கதையின் மையப் பாத்திரம் யார்?
3. உழிஞைத்திணை - குறிப்பு வரைக.
4. சார்பெழுத்துகளின் வகைகளைச் சுட்டுக.
5. அன்மொழித்தொகை - விளக்கம் தருக.
6. 'ஆறில் ஒரு பங்கு' என்னும் சிறுகதையை எழுதியவர்?
7. ஓரங்க நாடகம் - குறிப்பு வரைக.
8. இந்தியாவின் முதல் வானொலி நிலையம் எங்கு அமைக்கப்பட்டது?

9. பெரியபுராணத்தின் காப்பிய நாயகன் யார்?
10. பெண்களின் பாதுகாப்பிற்காகத் தமிழகக் காவல்துறை உருவாக்கியுள்ள 'செயலி' யாது?

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

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) சாந்தி உள்ளம் உருகிப் போற்றி நின்றதை வீரமாமுனிவர் எங்ஙனம் விவரிக்கின்றார்?

(அல்லது)

(ஆ) இறைவன் பொறை, மிடி, தாழ்வு கொண்டதன் காரணங்களைத் தேம்பாவணி வழி விளக்குக.

12. (அ) நீலபத்மநாபனின் 'சாளரத்தின் ஊடே' சிறுகதைச் சுருக்கத்தை எழுதுக.

(அல்லது)

(ஆ) தடாகை வதையால் இராமன் பெற்ற பயன்கள் யாவை?

13. (அ) ஆகுபெயர் வகைகளை எடுத்துக்காட்டுகளுடன் விவரிக்க.

(அல்லது)

(ஆ) மொழிமுதல் எழுத்துக்களைச் சான்றுகளுடன் விளக்கி எழுதுக.

14. (அ) மகாகவி பாரதியாரின் தேசப்பற்றைப் பாராட்டியுரைக்க.

(அல்லது)

(ஆ) தமிழ்ச் சிறுகதை வரலாற்றை நும் பாடப்பகுதியால் சுருக்கி வரைக.

15. (அ) குணங்குடி மஸ்தான் படைப்புகளின் சிறப்புகளைத் தருக.

(அல்லது)

(ஆ) சமூக வளர்ச்சியில் வானொலியின் பங்கு குறித்து விளக்கிடுக.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. சாந்தி உள்ளம் மகிழ்ந்து குழந்தை ஏசுவைப் போற்றுமாற்றை விவரிக்க.
17. நீலபத்மநாபனின், 'விமோசன்' கதை உணர்த்தும் பெண்கள் நிலையைக் கட்டுரைக்க.
18. ஒற்றெழுத்து மிகுதல் மிகாமைக்கான வரையறைகளை விளக்கி வரைக.
19. கம்பராமாயணத்தில் காணப்படும் போர் குறித்த செய்திகளைத் தொகுத்துரைக்க.
20. மக்கள் வாழ்வியல் பயன்பாட்டில் இணையத்தின் பங்கு குறித்து விவரித்து எழுதுக.



**D-7124**

**Sub. Code**

**21B**

**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, DECEMBER 2022.

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. What are the basic elements of communication?
2. Explain the process of encoding.
3. What are the ways to improve one's pronunciation?
4. Explain front vowels.
5. Define plosive sounds with examples.
6. What are the sub-skills of listening?
7. What is meant by informational mode of conversation?
8. What is an opening statement in a resume?
9. Explain problem letters with illustrations.
10. What is the importance of interview skills?

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a note on the significance of communication skills.

Or

- (b) Discuss the different types of codes of communication skills.

12. (a) What are the ways to improve fluency of speaking English.

Or

- (b) Write a note on diphthongs.

13. (a) Elaborate the barriers of listening skills.

Or

- (b) Enumerate the significance of soft skills.

14. (a) Write a paragraph on the topic "COVID 19".

Or

- (b) Explain the structure of an interview.

15. (a) Discuss the guidelines that are to be followed in writing business letters.

Or

- (b) Comment on the role played by the Chief-Editor of a leading newspaper.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write an essay on the stimulus and response adopted while communicating.
  17. Elaborate on the pronunciation etiquetes in communication.
  18. Discuss the different modes of conversations.
  19. You are building a house. Place an order for supplying electric fittings with a firm in Hyderabad.
  20. Write a resume for the post of a sub-editor in a sports magazine.
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**D-7125**

**Sub. Code**

**22/13722**

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,  
DECEMBER 2022.

Second Semester

Part II – ENGLISH PAPER – II

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

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions

1. Discuss the structure of “Lines composed upon Westminister Bridge” by William Wordsworth.
2. What is an ode?
3. Describe the setting of the poem “The Road Not Taken”.
4. What is the symbolic element of Stephen Spender’s “The Express”.
5. How is Shylock punished for seeking to take Antonio’s life?
6. What does Bassanio offer the young law clerk who saves Antonio? Why?

7. Mention two tips to write an essay effectively.
8. What is a report?
9. Who is Andrea? What is the meaning of the title “Andrea Del Sarto”.
10. What is the basic idea of the poem ‘Gitanjali’.

PART B — (5 × 5 = 25 marks)

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

11. (a) Comment on the Characteristics of a sonnet.

Or

- (b) Discuss the themes of “Lines composed upon Westminster Bridge”.

12. (a) Write a note on the symbolic elements of “The Road Not Taken”.

Or

- (b) Bring out the message of “Strange meeting”.

13. (a) Discuss the character of Portia in “The Merchant of Venice”.

Or

- (b) Analyse the trial or court scene of “The Merchant of Venice”.

14. (a) Write a report on the road accident that you have witnessed.

Or

- (b) Discuss the structure of note-making.

15. (a) Write an essay on the topic “COVID 19”.

Or

(b) Discuss the different forms of writing reports.

PART C — (3 × 10 = 30 marks)

Answer any THREE of the following

16. Consider “Andrea Del Sarto” as a dramatic monologue.

17. In what way is “Gitanjali” considered a song offering.

18. Critically analyse Sorojini Naidu’s “The coromandel Fishers”.

19. Discuss the background and themes of “The Merchant of Venice”.

20. Opera refers to a dramatic art form, originating in Europe, in which the emotional content is conveyed to the audience as much through music, both vocal and instrumental, as it is through the lyrics. By contrast, in music theatre an actor’s dramatic performance is primary, and the music plays a lesser role. The drama in opera is presented using the primary elements of theatre such as scenery, costumes, and acting. However, the words of the opera, or libretto, are sung rather than spoken. The singers are accompanied by a musical ensemble ranging from a small instrument ensemble to a full symphonic orchestra.

(a) What is the importance of an opera?

(b) We can understand from the reading that

- (i) People are captivated more by opera than musical theatre.
  - (ii) Drama in opera is more important than the music
  - (iii) Orchestra in operas can vary considerably in size
  - (iv) Musical theatre relies above all on music.
  - (v) There is argument over whether the music is important to the words in opera.
- (c) How is the acting in opera displayed?
- (d) Discuss the performance in an opera.
- (e) Give a suitable title and justify it.
-

**D-7222**

**Sub. Code**

**12923**

DISTANCE EDUCATION

B.Sc. DEGREE EXAMINATION, DECEMBER 2022.

Second Semester

Information Technology

PROGRAMMING IN C AND DATA STRUCTURES

(CBCS 2018 – 19 Academic year onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define Constants.
2. Write any two rules for defining a variable.
3. Specify the any two string functions.
4. Outline the term Pointer.
5. Define File.
6. Write the syntax for closing the file.
7. Define polish notation
8. Outline the term Linked List.
9. There are 8,15, 13, 14 nodes were there in 4 different tress. Which of them could have formed a full binary tree?
10. Evaluate the following postfix expression  $ABC*D/+$  where  $A=2$   $B=3$   $C=4$   $D=6$ .



PART B — (5 × 5 = 25 marks)

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

11. (a) Write a short note on Branch and Looping control statements.

Or

- (b) Clarify the concept of Switch statement with necessary example.

12. (a) Explain string manipulation library functions with their syntaxes.

Or

- (b) Differentiate between call by value and call by reference with examples.

13. (a) How do you pass the structure to function? Explain.

Or

- (b) Write a short note on Command Line Parameters.

14. (a) Discuss in detail about various positions of a Queue.

Or

- (b) Give an algorithm to reverse the elements of a single linked lists without using a temporary list.

15. (a) Give the iterative algorithm for the in order traversal of a binary tree.

Or

- (b) Differentiate between Binary Search and Sequential Search.

PART C — ( $3 \times 10 = 30$  marks)

Answer any THREE questions.

16. Write a C program to prepare student mark list using control structures.
  17. List and explain the categories of user define functions.
  18. Write a C program to read and display a text from the file.
  19. Convert the following infix expression to its prefix form using stack  $A+B-C*D/E+F$ . Show diagrammatically each step of conversion.
  20. Give the best case and worst case analysis of the binary search tree.
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**D-7126**

**Sub. Code**

**31A/13731**

**DISTANCE EDUCATION**

**Common for B.A./B.Sc./B.C.A. DEGREE EXAMINATION,  
DECEMBER 2022.**

**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 × 2 = 20 மதிப்பெண்கள்)  
அனைத்து வினாக்களுக்கும் விடையளிக்க.

1. ஐங்குறுநூற்றின் குறிஞ்சித்திணைப் பாடல்களைப் பாடியவர் யார்?
2. 'நெடுந்தொகை' என்னும் சிறப்புப் பெயர் கொண்ட சங்க இலக்கியம் யாது?
3. நற்றிணை - பெயர்க்காரணம் கூறுக.
4. பாசறையின் வகைகளைக் குறிப்பிடுக.
5. சங்க இலக்கியத்தில் அதிகப் பாடல்களைப் பாடியவர்?
6. 'இற்செறிப்பு' என்றால் என்ன?
7. புறநானூறு - நூற் குறிப்பு வரைக.
8. திருக்குறளின் சிறப்புக்களைப் போற்றி எழுந்த நூல்?
9. இராசராசசோழன் நாடகத்தை இயற்றியவர் யார்?
10. சுவடுகள் நாவலில் காந்தியக் கொள்கையைப் பேசும் பாத்திரம்?

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) ஊடல் பொருளுக்கான திணை யாது? ஐங்குறுநூற்றின் வழி விளக்குக.

(அல்லது)

(ஆ) கபிலர் பாடல்களின் தனிச் சிறப்புகளைத் தொகுத்துரைக்க.

12. (அ) ஐங்குறுநூற்று நூல் தொகுப்பு வரலாற்றை எடுத்துரைக்க.

(அல்லது)

(ஆ) அகநானூற்றின் நூல் அமைப்பும் பகுப்பும் குறித்து விளக்கி வரைக.

13. (அ) நற்றிணையில் காணப்படும் மணிமணியான கருத்துக்களைத் தொகுத்துரைக்க.

(அல்லது)

(ஆ) தலைமகன் பாசறையிலிருந்து சொல்லிய செய்தியைச் சேந்தம்பூந்தனார் வழி விளக்குக.

14. (அ) அறிவுடையார் குறித்து வள்ளுவர் உரைக்குமாற்றை எழுதுக.

(அல்லது)

(ஆ) நான்மணிக்கடிகையிலுள்ள எளிமையான கருத்துக்களை எடுத்துரைக்க.

15. (அ) இராசராசசோழன் நாடகக் கதைக்களத்தைச் சுருக்கி வரைக.

(அல்லது)

(ஆ) சுவடுகள் நாவல் கதைக்கருவை விளக்கி எழுதுக.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. கபிலரின் கவித்திறத்தை நும் பாடப் பகுதியால் நிறுவுக.
17. மஞ்ஞைப்பத்துப் பாடல்களின் கருத்துக்களைத் தொகுத்துரைக்க.
18. அகநானூற்றுப் பாடல்களால் அறியவரும் வரலாற்றுச் செய்திகளை விவரிக்க.
19. திருக்குறளின் அமைப்பும் சிறப்பும் குறித்துக் கட்டுரை வரைக.
20. சுவடுகள் நாவலின் ராசாத்தி பாத்திரப் படைப்பைச் சான்றுகளுடன் பாராட்டியுரைக்க.

**D-7127**

**Sub. Code**

**31B**

DISTANCE EDUCATION

COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,  
DECEMBER 2022.

Third Semester

Part I – HUMAN SKILLS DEVELOPMENT – I

(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 the different types of human skills?
2. What is meant by interpersonal relationship?
3. Mention any two factors for building positive personality.
4. Define self-esteem.
5. Why the goal setting skill is important?
6. What are the steps to be followed in decision in decision making skills?
7. What is the structure of negotiating skills?
8. How can you create positive attitudes in human relations?

9. What are the different types of stress?
10. Write any two qualities of a good leader.

PART B — (5 × 5 = 25 marks)

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

11. (a) Differentiate interpersonal relationship and interpersonal behaviour.

Or

- (b) Write a short note on significance of thinking ahead.

12. (a) Write short note on self efficacy.

Or

- (b) Illustrate the importance of goal setting skills.

13. (a) What are the basic elements of negotiating skills?

Or

- (b) Write a note on the types of attitudes.

14. (a) Why coping with change is necessary for the development of human relations?

Or

- (b) What are the different styles of selecting a leader?

15. (a) What are the duties of a counsellor?

Or

- (b) Write a note on anger management.

PART C — (3 × 10 = 30 marks)

Answer any THREE of the following

16. Write an essay on different levels of mind functions.
  17. Explain the need of developing personality and the ways of developing personality.
  18. Explain briefly about different types of skills in developing personality.
  19. Write briefly on the qualities of a good leader.
  20. What is meant by conflicts? Explain its types and causes.
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**D-7128**

**Sub. Code**

**32/13732**

DISTANCE EDUCATION

COMMON FOR B.A. / B.Sc. / B.C.A. DEGREE  
EXAMINATION, DECEMBER 2022.

Third Semester

Part – II ENGLISH PAPER - III

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

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Why did Swami feel relieved at the end?
2. What did Matilda suffer from?
3. What kind of person is Lomov in “The Proposal”?
4. Write a few lines about the character of Mrs. Meldon.
5. Who opens the door when Jean goes to get the tart?
6. What is the main idea of “The Refugee”?
7. Who are all the friends in the play “Reunion”?
8. Who is the author of the play “A Kind of Justice”?
9. Define verb with examples.
10. What is Agenda?

PART B — (5 × 5 = 25 marks)

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

11. (a) Narrate how a coward boy Swami became a hero overnight?

Or

- (b) Describe the circumstances under which the verger had to lose his job.

12. (a) What is the importance of dream in the play “The Boy Comes Home”?

Or

- (b) Write a brief character sketch of Lomov from “The proposal”?

13. (a) Sketch the character Betty in “The Silver Idol”?

Or

- (b) What happened at Comilla University?

14. (a) Describe how Jean and Pierre managed to get the Pie.

Or

- (b) Write a short note on the treatment of Partition in “The Refugee”.

15. (a) How do you prepare minutes of a meeting?

Or

- (b) What are the basic formats for writing an essay?

PART C — (3 × 10 = 30 marks)

Answer any THREE of the following questions.

16. Discuss the comic elements in the play “The Boy comes Home”.
  17. Write an essay on the Westerner’s view of Eastern countries as illustrated in “The Silver Idol”?
  18. Comment on the view of justice according to Margaret Wood in “A King of Justice”.
  19. To what extent does yassin become a representative of all refugees?
  20. Write an essay on advantages and disadvantages of Mobile – Phone.
-

**D-7223**

**Sub. Code**

**12933/13133**

DISTANCE EDUCATION

B.Sc.(IT)/ B.Sc.(IT)(Lateral Entry) DEGREE EXAMINATION,  
DECEMBER 2022.

Third Semester

INTERNET AND JAVA PROGRAMMING

(CBCS 2018 – 19 Academic Year onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is Search Engine?
2. What do the initials of FTP stand for?
3. Define the term Variables.
4. What is branching statements?
5. Define an Array.
6. How do you use the wrapper classes?
7. What is meant by Interface?
8. Delineate the term exception handling.
9. Outline the term file.
10. State I/O Exceptions.

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a short note on Internet Relay Chat.

Or

- (b) How do you use the Internet Search Engine?  
Explain with necessary steps.

12. (a) Give a brief account on features of Java language.

Or

- (b) Explain the benefits of OOPS.

13. (a) How do you use the static members in Java?  
Explain.

Or

- (b) Write a Java Program to display matrix addition  
using two dimensional arrays.

14. (a) How do you implements an runnable interface?  
Explain.

Or

- (b) Give a brief account on multiple catch statements.

15. (a) Clarify the concept of byte stream classes.

Or

- (b) Give a brief account on character Stream.

PART C — ( $3 \times 10 = 30$  marks)

Answer any THREE questions.

16. List out the necessary steps to create the video conferencing on the internet.
  17. Explain the looping control statement with necessary examples.
  18. Deliberate in detail about constructors with example.
  19. What is Multithreading? How do you apply the multithreading in Java? Justify.
  20. Explain the following
    - (a) Interactive Input and Output
    - (b) other Stream Classes.
-

**D-7129**

**Sub. Code**

**41A/13741**

**DISTANCE EDUCATION**

**Common for B.A./B.Sc./B.C.A. DEGREE EXAMINATION,  
DECEMBER 2022.**

**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 விடையளிக்க.

1. யாப்பியல் கூறும் அசை வகைகளை எழுதுக.
2. அகவல் பா என அழைக்கப்படும் 'பா' எது?
3. சிந்து எத்தனை இசை உறுப்புகளால் ஆனது?
4. ஊடல் சார்ந்த நிகழ்ச்சிகளைப் பேசும் அகத்திணை யாது?
5. கையறுநிலை - குறிப்பு வரைக.
6. மதி போன்ற முகம் - இத்தொடரில் உவமை எது?
7. ஐங்குறுநூற்றில் மருதப் பாடல்களைப் பாடியவர் யார்?
8. புலவராற்றுப்படை என அழைக்கப்படும் நூல் யாது?
9. 'இராமாவதாரம்' என்னும் காப்பியத்தை இயற்றியவர் யார்?
10. 'பாண்டியன் பரிசு' காப்பியத்தின் கதைத் தலைவன்?

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) சீர் எத்தனை வகைப்படும்? அவற்றைச் சான்றுகளுடன் விளக்குக.

(அல்லது)

- (ஆ) படிமம் என்றால் என்ன? புதுக்கவிதையில் பெறுமிடத்தைச் சுட்டி வரைக.

12. (அ) முல்லைத்திணையின் கருப்பொருட்களைப் பட்டியலிடுக.

(அல்லது)

- (ஆ) ஆநிரை கவர்தல் என்றால் என்ன? அத்திணையை விரிந்துரைக்க.

13. (அ) எல்லா விளக்கும் விளக்கல்ல சான்றோர்க்குப் பொய்யா விளக்கே விளக்கு - இக்குறளில் பயின்று வரும் அணியை விளக்குக.

(அல்லது)

- (ஆ) சிலேடை அணியைச் சான்று காட்டி விளக்கி வரைக.

14. (அ) தொல்காப்பியம் தமிழரின் அடையாளமாக விளங்குவதை நிறுவுக.

(அல்லது)

- (ஆ) நாலடியார் நூல் வரலாற்றையும் சிறப்பியல்புகளையும் எழுதுக.

15. (அ) ஐம்பெருங்காப்பியங்கள் யாவை? அவற்றின் சிறப்புகளை எழுதுக.

(அல்லது)

- (ஆ) இயேசு காவியம் கூறும் செய்திகளை எடுத்துரைக்க.



பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. வெண்பாவின் இலக்கணத்தை வகைகளுடன் விளக்குக.
17. அன்பின் ஐந்திணைகள் குறித்த செய்திகளைத் தொகுத்துரைக்க.
18. தற்குறிப்பேற்ற அணியின் இலக்கணத்தைச் சான்றுகள் காட்டி விவரிக்க.
19. சிலப்பதிகாரம் ஏன் தமிழ்க்காப்பியம் என்று அழைக்கப்படுகின்றது? விவரிக்க.
20. பாஞ்சாலி சபதத்தின் கதைக் களத்தை விரிந்துரைக்க.

**D-7130**

**Sub. Code**

**41B**

DISTANCE EDUCATION

COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,  
DECEMBER 2022.

Fourth Semester

Part I – HUMAN SKILLS DEVELOPMENT – II

(CBCS–2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions

1. What are the different types of counselling techniques?
2. Why managerial skill is important for human skills development?
3. What are the ways to develop our communication skills?
4. Define conceptual skills.
5. Mention any two practices in developing technical skills.
6. What is the role of preparation in presentation skills?
7. What are the various types of organizational skills?
8. How can you select a leader?
9. What are the major qualities for formal interactions?
10. What is the role of eye contact in problem solving skills?

PART B — (5 × 5 = 25 marks)

Answer the following questions choosing either (a) or (b).

11. (a) Write a short note on the salient aspects of counselling.

Or

- (b) Differentiate interpersonal and intrapersonal communication.

12. (a) Illustrate the tools and procedure in technical skills.

Or

- (b) Write the function of delivery in presentation skills.

13. (a) What are the important qualities of a multi-tasking skills?

Or

- (b) Write some ways to select a leader for a HR organization.

14. (a) Write a note on the etiquettes of interactions in a group discussion.

Or

- (b) What are the salient aspects of understanding skills in developing human relationships?

15. (a) What is the role of cooperative learning skills in human skills development?

Or

- (b) Write a note on causes of making social responsibilities.

PART C — (3 × 10 = 30 marks)

Answer any THREE of the following questions.

16. Explain briefly on importance and techniques of counselling.
  17. Write an essay on different types of technical skills.
  18. List out the types of communication skills. Explain briefly.
  19. Write briefly on understanding skills in group communication.
  20. Explain the role of handling and facing situations in problem solving skills.
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**D-7131**

**Sub. Code**

**42/13742**

**DISTANCE EDUCATION**

**Common for B.A./B.Sc./B.C.A. DEGREE EXAMINATION,  
DECEMBER 2022.**

**Fourth Semester**

**English**

**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 the questions.**

1. What surprise was in store for Lalajee before he left Mokameh Ghat?
2. What is the pontoon bridge? Why has it been made?
3. How does Eliza dress herself up when she visits Higgins to ask to take speech lessons?
4. Shortly describe about Swami's four friends.
5. Why did Bassanio approach Antonio?
6. What similes does Romeo use to convey Juliet's beauty?
7. What were Martin Luther King's dreams?
8. When was the first meeting occurred between Nehru and Toynbee?

9. Write the correct question tag?
- (a) The weather is really bad today
  - (b) They are not in Mumbai at the moment.
10. Expand the Proverb, “A stitch in time saves nine”.

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the qualities of Lalajee as described by Jim Corbett.

Or

- (b) Why was schatz sad? Explain.

12. (a) What is the significance of the title “Pygmalion”?

Or

- (b) Swami and Friends a realistic drama. Elaborate.

13. (a) Why does Antonio agree to shylock’s terms for the loan?

Or

- (b) Sketch the character of Romeo.

14. (a) What sort of discrimination did Martin Luther King Jr. fight against?

Or

- (b) Describe the first meeting of Toynbee and Nehru.

15. (a) Identify the sentence for clause or phrase.
- (i) He works hard everyday
  - (ii) Before the next light
  - (iii) In a dark and dangerous hallway
  - (iv) If I need to call you
  - (v) After a good day
  - (vi) Because it's the right thing to do
  - (vii) As quickly as possible
  - (viii) This car's not working
  - (ix) Working for himself
  - (x) Whenever it gets cold

Or

- (b) Explain Group Discussion.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

- 16. Give the summary of 'Lalajee'.
- 17. Discuss the relationship between Higgins and his mother.
- 18. Character sketch of Antonio in Merchant of Venice.
- 19. Write about the racial discrimination prevailed during the time of Martin Luther King, Jr.
- 20. Illustrate the final meeting of Toynbee with Nehru.

**D-7224**

**Sub. Code**

**12943/13143**

DISTANCE EDUCATION

B.Sc.(IT)/B.Sc.(IT) (Lateral Entry) DEGREE EXAMINATION,  
DECEMBER 2022.

Fourth Semester

OPEN SOURCE SOFTWARE

CBCS – (2018 – 19 Academic year onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What are the advantages of open source systems?
2. Define Kernel mode and User mode.
3. What is the use of field attribute 'NOT NULL'?
4. Write the syntax to insert data in to a MySQL table from command prompt. Give example.
5. What is the use of die() function in PHP?
6. Specify file mode options used in PHP?
7. Differentiate between list and tuple with example.
8. Write the purpose of modules in Python.
9. Give some applications of perl.
10. Name three data types of Perl.



PART B — (5 × 5 = 25 marks)

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

11. (a) Describe the architecture of Process Control Block with neat diagram.

Or

- (b) Discuss the different states in process life cycle.

12. (a) Discuss about MySQL String data types with suitable example.

Or

- (b) Create table with some fields and insert few rows in the tables without giving values for record ID. Use AUTO\_INCREMENT to set record ID values.

13. (a) Illustrate with suitable examples the logical operators in PHP.

Or

- (b) What is Dynamic function call in PHP? Give example.

14. (a) Illustrate basic tuple operations used in Python.

Or

- (b) Discuss various standard data types used in Python

15. (a) Discuss the characteristic of loop control statements in Perl.

Or

- (b) What are Perl Packages? Explain it.

PART C — ( $3 \times 10 = 30$  marks)

Answer any THREE questions.

All questions carry equal marks.

16. Explain the following: (a) Batch Processing  
(b) Multitasking.
  17. Discuss in detail the characteristics of MySQL data types.
  18. How to handle errors in PHP? Explain error handling functions.
  19. Discuss various control structures used in Python programming.
  20. Elaborate Perl parsing rules with example.
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**D-7225**

**Sub. Code**

**12951/13151**

DISTANCE EDUCATION

B.Sc. (IT)/B.Sc. (IT) (Lateral Entry) DEGREE EXAMINATION,  
DECEMBER 2022.

Fifth Semester

IT

DISCRETE MATHEMATICS

(CBCS-2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions

1. Define Tautology.
2. Construct the truth table for  $Q \rightarrow P$ .
3. Define Domain.
4. What is Composite Relation?
5. Define Function.
6. Let  $f(x) = x + 2$  and  $g(x) = x - 2$  for  $x \in R$ . Where  $R$  is the set of real number, Find  $f \circ g$  and  $f \circ f$ .
7. Define Monoid.
8. Define subring.

9. What is path?  
10. Define Tree.

PART B — ( $5 \times 5 = 25$  marks)

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

11. (a) Define the following  
(i) Conditional statement  
(ii) Bi- Conditional statement  
Or  
(b) Demonstrate that “S” is a valid inference from the premises  $P \rightarrow \neg Q, Q \cup R, \neg S \rightarrow P$  and  $R$ .
12. (a) What is Reflexive, Irreflexive, Symmetric relation? Give an example.  
Or  
(b) Write a short note on Partial Ordered and Partially Ordered set.
13. (a) Define one-to-one and onto function with examples.  
Or  
(b) What is an Inverse function? Explain with example.
14. (a) Prove that for any Commutative monoid  $\langle M, * \rangle$ , the set of idempotent elements of M forms a Sub-monoid.  
Or  
(b) Define the following with example  
(i) Ring  
(ii) Ring Homomorphism

15. (a) Define the following with an example  
(i) Isomorphic graph  
(ii) Cycle

Or

- (b) Write a short note on Conditional Probability with an example.

PART C — ( $3 \times 10 = 30$  marks)

Answer any THREE question

16. (a) Show that  $Q \vee (P \wedge \neg Q) \vee (\neg P \wedge \neg Q)$  is a Tautology. (5)  
(b) Define Atomic, Compound statement and Null set with examples. (5)
17. What is an Equivalence relation and Compatibility relation? Give an example.
18. (a) What are the characteristics function of a set? Give an example. (5)  
(b) Write a short note on Hashing function with example. (5)
19. Prove that let  $\langle S, * \rangle$  be a given Semigroup. There exists a Homomorphism  $g = S \rightarrow S^S$ ; where  $\langle S^S, \circ \rangle$  is a Semigroup of function from S to S under the operation of (left) composition.
20. Describe the various matrix representation of graph with examples.

**D-7226**

**Sub. Code**

**12952/13152**

DISTANCE EDUCATION

B.SC.(IT)/B.SC.(IT) (Lateral Entry) DEGREE EXAMINATION,  
DECEMBER 2022.

Fifth Semester

OPERATING SYSTEM

(CBCS 2018 – 19 Academic year onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. List out the three main advantages of Multiprocessor systems.
2. What is real-time systems?
3. What do you mean by Context Switch?
4. What is Synchronizaion?
5. What is Binary semaphores?
6. Mention the types of Real Time Scheduling.
7. What do you mean by segmentation?
8. List out the drawbacks of contiguous memory allocation.
9. What are the advantages of free space management?
10. Mention the attributes of a file.

SECTION B — (5 × 5 = 25 marks)

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

11. (a) Write short note on system programs.  
Or  
(b) Describe the operating system operations.
12. (a) Write a short note on Process Control Block.  
Or  
(b) What are advantages for cooperating the process?
13. (a) Write a short note on necessary conditions for deadlock to occur.  
Or  
(b) Explain Critical Section problem in detail.
14. (a) Write short note on segmented memory management technique.  
Or  
(b) Illustrate the paged memory management technique.
15. (a) Discuss about file sharing and its protection.  
Or  
(b) Write short note on file system structures.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the various categories of system calls.
17. Write any five CPU Scheduling Algorithms with an example.

18. How Bankers algorithm used to avoid Deadlock? Explain it.
  19. Write brief note on contiguous memory allocation method.
  20. Explain in detail the various disk scheduling algorithms.
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**D-7227**

**Sub. Code**

**12953/13153**

DISTANCE EDUCATION

B.Sc.(IT)/B.Sc.(IT) (Lateral Entry) DEGREE EXAMINATION,  
DECEMBER 2022.

Fifth Semester

RELATIONAL DATABASE MANAGEMENT SYSTEM  
(RBDMS)

(CBCS 2018 – 19 Academic year onwards)

Time : Three hours

Maximum 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Database.
2. Define DML.
3. What is Data Integrity?
4. Define View.
5. What is a foreign key in the Relation Model?
6. Define table.
7. Define NULL Values.
8. Define first normal form.
9. What is the need Indexes? Give reasons.
10. What is the use of log?

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a Short note on Data Models.

Or

- (b) Illustrate the concept of ER Design Entities.

12. (a) Explain about Query Relational Data.

Or

- (b) Discuss about Tuple relational Calculus.

13. (a) Explain the concept of Nested Queries with examples.

Or

- (b) Elucidate various Comparison Operator in details.

14. (a) Explain about Buffer Management.

Or

- (b) Discuss about Multiple Granularity.

15. (a) Write a note on Cluster Indexes.

Or

- (b) Discuss about File organization.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Briefly explain the various database languages
17. Illustrate Various Selection and Projection set operations with suitable examples.

18. Briefly explain the concepts of BCNF and 4NF.
  19. Elucidate the concept of Transaction Management.
  20. Explain about Tree based Indexing with examples.
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**D-7228**

**Sub. Code**

**12961/13161**

DISTANCE EDUCATION

B.SC.(IT)/B.SC.(IT) (Lateral Entry) DEGREE EXAMINATION,  
DECEMBER 2022.

Sixth Semester

.NET PROGRAMMING

(CBCS – 2018 – 19 Academic year onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define CLR.
2. What is a local variable?
3. What is the use of Input box?
4. What are all the steps to create windows application?
5. What is Marked Check box?
6. List out the events does the Timer Controls.
7. What is Exception Handling?
8. What is the use of Allow Print To file Property?
9. Define DBC Command.
10. Differentiate between data reader and dataset.

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a Short note on Command Window in VB.NET IDE.

Or

- (b) Illustrate the concept of Array with example in VB.NET.

12. (a) Draw and Explain the Layout of Windows Forms.

Or

- (b) Discuss about Message Box with suitable example.

13. (a) Explain the Checked List Box with suitable example.

Or

- (b) Write a Procedure to insert Menu in Menus.

14. (a) Explain various Mathematical Functions in details.

Or

- (b) Discuss pass by value and pass by ref.

15. (a) Explain the Data Grid control with an example.

Or

- (b) Write a procedure to connect the database using ADO.NET.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write a detail account on key components of .NET framework.
  17. Illustrate Various Tool Box Controls with Suitable Examples.
  18. Explain the Picture Box and Rich Text Box with Suitable Examples.
  19. Elucidate the concept of Multiple Document Interface.
  20. Discuss the ADO.NET Object Model in details.
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**D-7229**

**Sub. Code**

**12962/13162**

DISTANCE EDUCATION

B.Sc.(IT)/B.Sc.(IT) (Lateral Entry) DEGREE EXAMINATION,  
DECEMBER 2022.

Sixth Semester

SYSTEM ANALYSIS AND DESIGN

(CBCS 2018 –19 Academic year onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Abstract System.
2. What do you mean man-made Information system?
3. Why background analysis is needed?
4. Name any two fact finding techniques.
5. What is structured design?
6. Specify the requirement of forms.
7. What is files?
8. Write any two types of Databases.
9. Define the term site preparation.
10. Define software.

PART B — (5 × 5 = 25 marks)

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

11. (a) Illustrate the Computer based information systems.

Or

- (b) Write short note on Post implementation and maintenance.

12. (a) What is Preliminary investigation? Explain its objectives.

Or

- (b) Give a brief account on Data flow Diagrams with example

13. (a) Explain the types of forms in detail.

Or

- (b) What is form driven methodology? Explain its concepts.

14. (a) How do you organize the file? Explain its method.

Or

- (b) Clarify the concept of Database Design with example.

15. (a) Briefly explain the Warnier Orr Diagram.

Or

- (b) Clarify the concept of Data and file Preparation.



PART C — ( $3 \times 10 = 30$  marks)

Answer any THREE questions.

16. Neatly sketch the system development life cycle with diagram.
  17. Elucidate the features of cost benefit analysis with necessary examples.
  18. Write brief note on major development activities of system design.
  19. Demonstrate the functionalities of Quality Assurance and its level.
  20. Discuss the major phases in hardware and software selection.
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**D-7230**

**Sub. Code**

**12963/13163**

DISTANCE EDUCATION

B.Sc.(IT)/B.Sc.(IT) (Lateral Entry) DEGREE EXAMINATION,  
DECEMBER 2022.

Sixth Semester

IT

MULTIMEDIA AND ITS APPLICATIONS

(CBCS 2018 – 19 Academic year onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is Graphics?
2. List out the components of Multimedia.
3. Outline the term multimedia authoring metaphor.
4. What is linearization?
5. What is Algorithm?
6. Define compression.
7. Explain the term MPEG.
8. Define motion.
9. Explain: Data Transmission
10. What is ATM Networks?

PART B — (5 × 5 = 25 marks)

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

11. (a) Briefly discuss the History of Multimedia.

Or

- (b) Neatly sketch the relationship between multimedia and hypermedia.

12. (a) Explain about Analog Video.

Or

- (b) Write a short note on Digital Video.

13. (a) Clarify the concept of Run-Length coding.

Or

- (b) Write a note on Arithmetic Coding.

14. (a) Explicate the concept of video compression.

Or

- (b) Clarify the concept of MPEG.

15. (a) Write a short note on basics of Multimedia.

Or

- (b) Demonstrate the concept of media on demand.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the software tools used in multimedia.
17. Elaborate the concept of Quantization and transmission of audio.

18. Explain in detail about Lossless Image Compression algorithm with necessary explanation.
  19. Illuminate the working mechanism of search motion vectors in detail.
  20. Discuss briefly on communications and Applications of multimedia networks.
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