

D-1119

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, MAY 2023.

First Semester

PART I : TAMIL PAPER – I

(பகுதி I : தமிழ் – I)

(CBCS 2018 – 2019 Academic Year Onwards/
2020–21 Calendar year onwards)

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க.

1. கவிஞர் கண்ணதாசனின் இயற்பெயர் யாது?
2. “செய்யும் தொழிலே தெய்வம்” - எனப் பாடியவர் யார்?
3. ‘நோயற்ற வாழ்வு’ கவிதையின் ஆசிரியர் யார்?
4. மீரா (மீ. இராசேந்திரன்) பிறந்த ஊர் எது?
5. ஞானக்கூத்தனின் இயற்பெயர் யாது?
6. கவிஞர் சிற்பி சர்ப்பயாகத்தில் குறிப்பிடும் பாம்புகளின் பெயர்களைக் குறிப்பிடுக.
7. அப்துல் ரகுமானின் படைப்புகள் இரண்டினைக் குறிப்பிடுக.
8. சிலம்பு கூறும் முப்பெரும் உண்மைகள் யாவை?
9. “யாரையோ நீ தொழுதனம் மடக்கொடி” - யார் யாரைப் பார்த்துக் கூறியது?
10. தேம்பாவணியின் ஆசிரியர் யார்?

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் ஒரு பக்க அளவில் விடையளிக்க.

11. (அ) “கோகுலத்துப் பசுக்கள்...” பாடலில் காணலாகும் கண்ணனின் சிறப்பினை விளக்குக.

(அல்லது)

- (ஆ) பட்டுக்கோட்டை கலியாண சுந்தரத்தின் பகுத்தறிவுச் சிந்தனைகளை விளக்குக.

12. (அ) கண்ணனின் குறும்புகளைப் பாரதி வழி விளக்குக.

(அல்லது)

- (ஆ) பாரதிதாசனின் கவித்திறத்தை ஆராய்க.

13. (அ) நோயற்ற வாழ்வு குறித்த நாமக்கல் கவிஞரின் கருத்துக்களைத் தொகுத்தெழுதுக.

(அல்லது)

- (ஆ) ‘சர்ப்ப யாகம்’ கவிதை வழிச் சிற்பி கூறும் வெற்றிக்கான வழிகளை விளக்குக.

14. (அ) கோப்பெருந்தேவியின் தீக்கனா - குறித்து எழுதுக.

(அல்லது)

- (ஆ) இராமன் வீதியிற் சென்றபோது நிகழ்ந்தவற்றை விளக்குக.

15. (அ) மந்திரக் கிழவர் மாண்புகள் குறித்தெழுதுக.

(அல்லது)

- (ஆ) நபிகள் நாயகம் ஈத்தங்குலை வரவழைத்த திறம் குறித்தெழுதுக.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

எவையேனும் மூன்றனுக்கு கட்டுரை வடிவில் விடையளிக்க.

16. ஸ்ரீ கிருஷ்ணகானம் கூறும் கண்ணனின் பெருமைகளைத் தொகுத்து எழுதுக.
17. பாரத மாதாவின் திருப்பள்ளி எழுச்சிச் சிறப்பினை விளக்கி எழுதுக.
18. கண்ணகி வழக்குரைத்த திறம் குறித்துக் கட்டுரைக்க.
19. மந்திரப்படலம் கூறும் செய்திகளைத் தொகுத்து எழுதுக.
20. காட்சிப்படலக் கருத்துக்களை விளக்கி வரைக.

D-1120

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 Year Integrated) DEGREE EXAMINATION, MAY 2023.

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 questions.

1. What are called 'Barriers' in effective communication?
2. Define 'Communication'.
3. What is 'Dyadic Communication'?
4. Define 'Conversation'.
5. What does non-verbal communication refer to?
6. What is a layout in paragraph writing?
7. Write briefly on Group Discussion.
8. What is Body Language?
9. What is Report Writing?
10. What are typographical errors?

PART B — (5 × 5 = 25 marks)

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

11. (a) Analyse facial expressions' significance as non-verbal communication.

Or

- (b) Write the method to prepare an application for employment.

12. (a) Analyse Diction as one form of dyadic communication.

Or

- (b) How does 'Posture' carry significance as a part of body language?

13. (a) Bring out the role of participation in Group Discussion.

Or

- (b) Relate Behavioural Skills and Group Discussion.

14. (a) Discuss the advantages of use of words and phrases in written communication.

Or

- (b) Write a note on Sentence Formation.

15. (a) Discuss the preparatory steps to be taken for writing a report.

Or

- (b) Bring out the characteristics of an Effective Sentence.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss the barriers to effective communication.
 17. Discuss the purpose of meetings.
 18. To be an effective writer, what are the desired qualities you should cultivate? Explain.
 19. Explain the steps involved in preparing Curriculum Vitae.
 20. Explain the different types of Report Writing.
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D-1121

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, MAY 2023

First Semester

Part II : ENGLISH PAPER - I

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

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. How water is the elixir of life?
2. How did the tiger died in Mrs. Packletide's tiger?
3. Where did Jim Corbett sit after killing tiger?
4. How machines are good servants but bad masters?
5. List out the drug-related health disorders.
6. Man has invented machines to save time and energy. Discuss.
7. How quickly can someone become addicted to a drug?
8. What drugs commonly cause problems and how do they affect the body?
9. How does a cat say "Thank you"?
10. How did Joad use the word 'Oasis' in the essay?

PART B — (5 × 5 = 25 marks)

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

11. (a) How does 'A deed of Bravery' deals with the heroic deeds of survival against all odds?

Or

- (b) Discuss the character of the cat.

12. (a) What is the message conveyed in "Our Ancestors" by Carl Sagan?

Or

- (b) What is the part played by Gandhi in South Africa?

13. (a) Illustrate the concept of "Food" by J.B.S. Haldane.

Or

- (b) Why did Gandhi's attempts to become a member of Indian Society Fail?

14. (a) Change the following as directed :

- (i) They have already discussed the book (change to passive)
- (ii) The letters have to be delivered. (Change to active)
- (iii) The company hired new workers last year. (Change to passive)
- (iv) News reports are written by reporters. (Change to active)
- (v) The book has already been discussed. (Change to active)

Or

- (b) Fill in with proper prepositions.
- (i) The cat jumped _____ the counter.
 - (ii) The book belongs _____ Anthony.
 - (iii) She was hiding _____ the table.
 - (iv) They were sitting _____ the tree.
 - (v) There is some milk _____ the fridge.

15. (a) Write an application to the principal for a Relief camp.

Or

- (b) Write a dialogue between friends about lock down in their place.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

- 16. How C.V. Raman praises the importance of water as the life giving force to all, in his prose piece?
- 17. How A.G. Gardiner discusses that “How the art of the letter writing has been lost”?
- 18. Explain how Dr. Hardin B. Jones focuses on the drugs effect on the brain?
- 19. Write an appreciation of our civilization as said by Joad.
- 20. Narrate the incidents in the prose piece “A Hero on Probation”.

D-1234

Sub. Code

13013

DISTANCE EDUCATION

**B.Sc. (Computer Science) DEGREE EXAMINATION,
MAY 2023.**

First Semester

PROGRAMMING IN C

(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. What is identifier?
3. What is called mixed data type?
4. Explain multi-dimensional array.
5. What is function?
6. Define external variables.
7. Mention the need of pointer.
8. How to declare pointer variable?
9. List out different file modes.
10. Write about different error handling functions on files.

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the declaration of variables with example.

Or

- (b) Explain about precedence of arithmetic operation.

12. (a) Explain formatted output function.

Or

- (b) Distinguish between while and do while statement.

13. (a) Explain user defined function with example.

Or

- (b) Write a short note on nested function with example.

14. (a) Explain call by value and call by reference.

Or

- (b) Write short note on pointers and structure.

15. (a) How to open and close a file? Explain.

Or

- (b) Describe about random access file.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Briefly explain operators in C.
17. Explain about string handling functions with example.
18. Describe the two ways of passing parameter to function.
19. Explain about structure of pointers with example.
20. Detailed notes on file handling I/O operations.

D-1122

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, MAY 2023.

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. தேம்பாவணியின் காப்பியத் தலைவன் பெயரைக் குறிப்பிடுக.
2. நீலபத்மநாபன் எந்தப் படைப்பிற்காகச் சாகித்ய அகதெமி விருது பெற்றார்?
3. 'நூலிலாட்டு' என்றால் என்ன?
4. முதலெழுத்துக்களைச் சுட்டிக் கூறுக.
5. அன்மொழித்தொகை-விளக்கம் தருக.
6. 'ஆறில் ஒரு பங்கு' என்னும் சிறுகதையின் ஆசிரியர் யார்?
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 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) புண் ஆற்றும் மருந்தாய் பாவம் தீர்க்க வந்த காலத்தினை வீரமாமுனிவர் எங்ஙனம் விவரிக்கின்றார்?

(அல்லது)

(ஆ) சாந்தி உள்ளம் உருகிப் போற்றி நின்றதனை விளக்கி வரைக.

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

(அல்லது)

(ஆ) தடாகையின் ஆற்றலைக் கம்பன் எங்ஙனம் விரிந்துரைக்கிறார்?

13. (அ) மொழி முதல் எழுத்துக்களை எடுத்துக்காட்டுகளுடன் விவரிக்க.

(அல்லது)

(ஆ) ஆகுபெயர் இலக்கணத்தைச் சான்று காட்டி விளக்குக.

14. (அ) மகாகவி பாரதியாரின் தேசப்பற்றைப் பாராட்டியுரைக்க.

(அல்லது)

(ஆ) தமிழ் நாவல் இலக்கிய வளர்ச்சி வரலாற்றை எடுத்துரைக்க.

15. (அ) கம்பன் கவித்திறத்தை நும் பாடப்பகுதியால் விவரிக்க.

(அல்லது)

(ஆ) கல்வி வளர்ச்சியில் தொலைக்காட்சியின் 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 சிறுகதைகள் பேசும் சமூகக் கருத்துக்களைக் கட்டுரைக்க.

18. பிறமொழிச் சொற்களைத் தமிழில் ஆளும் முறைகள் குறித்து விவரிக்க.

19. போர்க்களத்தில் செய்தி தொடர்பு பெறுமிடத்தைக் கம்பராமாயணத்தின் வழி விளக்குக.

20. இணையப் பயன்பாட்டில் தமிழ்மொழி பெறும் முக்கியத்துவத்தைச் சான்றுகளுடன் எழுதுக.

D-1123

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 Year Integrated)
DEGREE EXAMINATION, MAY 2023.**

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 is Communication Skills?
2. What are comprised in Communication skills?
3. Define Intonation.
4. Why Phonetics is important in communication skills?
5. What is meant by soft skills?
6. What are the modes involved in conversation skills?
7. Define planning in presentation skills.
8. Explain the term Creative writing.
9. Define Resume.
10. What is meant by Corporal Communication Skills?

PART B — (5 × 5 = 25 marks)

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

11. (a) Write the code and content of communication skills.

Or

- (b) Explain the stimulus and Response of Communications Skills.

12. (a) Write the Guidelines for Effective Speaking in Communication Skills.

Or

- (b) What are the Etiquettes of Communication Skills?

13. (a) How self-assessment is important in Communicating in Soft Skills.

Or

- (b) Explain the modes of Conversation Skills.

14. (a) Define Listening Skill and its types.

Or

- (b) Explain about editing and publishing.

15. (a) Write the Structure of Effective sentences in Writing Skills.

Or

- (b) Write a short note on various kinds of letters.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write an essay on the process of communication and factors.
 17. Explain how phonetics is priority in Speaking Skill.
 18. Write about Language Skills and its ability in Learner centre activities.
 19. How writing skills is important in corporate Communication.
 20. Explain the Structure of Effective Sentence and Paragraph.
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D-1124

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, MAY 2023.

Second Semester

Part II – ENGLISH PAPER - II

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

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions

1. What type poem is 'The Road Not Taken'?
2. What did Andrea do with the money he had stolen as given in 'Andrea del Sarto'?
3. How is the speaker preoccupied with the depiction of pictures in 'Ode on a Grecian Urn'?
4. What do the first three lines of the poem 'Lines, Composed upon Westminster Bridge, September 3, 1802' emphasise?
5. What does the First Part of *Gitanjali* sing about?
6. What is the moral of *Gitanjali*?

7. How does Portia react to the Prince of Morocco's failure as a suitor?
8. What act does Jessica believe will solve the misery of life with Shylock?
9. Write the problems of Comprehension tests.
10. Read the given passage and answer the questions:

Looking back, I had come a long way. The little boy, born to cricket, who once fashioned a crude pitch with a mattock out of the side of a hill in the tiny hamlet of Lisarow, had gone on to play forty four times for Australia. From Lisarow to Lord's. Yes it had been a long, long way.

- (a) Whom do you think the writer could be?
 - (i) A cricketer
 - (ii) A traveller
 - (iii) A peasant
 - (iv) A voyager
- (b) He belongs to _____
- (c) How many times has he played for his country?

SECTION B — (5 × 5 = 25 marks)

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

11. (a) Write the theme of the poem, 'Strange Meeting'.

Or

- (b) How and why does Andrea compare his skill in painting with Michael Angelo and Raphael?

12. (a) How does the speaker react on seeing the figures on the Urn in 'Ode on a Grecian Urn'?

Or

- (b) "The main theme of 'The Road Not Taken' is making choices" – Elucidate.

13. (a) Write the main concept of *Gitanjali*.

Or

- (b) How does the speaker contemplate early-morning London from the Westminster Bridge?

14. (a) Discuss Shylock's dramatic function in *The Merchant of Venice*.

Or

- (b) In the end how comic is *The Merchant of Venice*?

15. (a) Write a report on the damage done by fire to the office building and the ways and means of carrying on with the business during the renovation of the building.

Or

- (b) Read the following passage and answer the following questions:

Our days were spent in the servants' quarters in the south-east corner of the outer apartments. One of our servants was Shyam, a dark Chubby boy with curly locks, hailing from the District of Khulna. He would put me into a selected spot and, tracing a chalk line all around, warn me with solemn face and uplifted finger, of the perils of transgressing this ring.

Whether the threatened danger was material or spiritual I never fully understood, but a great fear used to possess me and I had read in the Ramayana of the tribulations of Sita for having left the ring drawn by Lakshman. So it was not possible for me to be sceptical of its potency.

- (i) Where did the writer spend his day time?
(ii) Was Shyam the only servant?
(iii) Where did the servant come from?

(iv) Why was the author afraid of transgressing the circle drawn by the servant?

(v) What made Sita undergo the suffering?

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Critically appreciate the poem, 'The Coromandel Fishers'.
17. How does Rabindranath Tagore draw the picture of death through his songs in *Gitanjali*?
18. Draw the character sketch of Shylock in *The Merchant of Venice*.
19. Read the following passage and make notes:

The plants which man grows to provide food for himself and his animals must have water or they will die. This is because plant nutrients in the soil cannot enter the root unless they have first been dissolved in water. Plants also need to absorb large quantities of water from the soil to build up their tissues. They lose a great deal of water to the atmosphere each day as water vapour. The process by which plants lose water is called transpiration. In hot climates more water is lost, and this loss must also be replaced from the soil.

Rain supplies most of the water that plants need but unfortunately it does not always fall at the right time of the year or in sufficient quantities. Plants may stay alive if rain is scarce, but they will not yield such a good harvest of food.

For centuries, man had devised methods of supplementing natural supplies of water to his crops by means of irrigation. These methods vary according to the climate, the crops and the available water resources. In tropical and Mediterranean countries water is usually brought to the crops by a network of surface ditcher. This is known as surface irrigation. In Europe and in the U.S.A., water is normally pumped from a stream through pipes and spread on the field from the above. This is called overhead irrigation.

20. Write an essay on the following topic:

Information Technology Revolution.

D-1235

Sub. Code

13023

DISTANCE EDUCATION

B.Sc. (Computer Science) DEGREE EXAMINATION,
MAY 2023.

Second Semester

OBJECT ORIENTED PROGRAMMING AND C++

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What do you understand by dynamic binding?
2. Give a brief outline of manipulator.
3. List out the access specifiers.
4. Define inline function.
5. What do you mean by function overloading?
6. How you will convert an object data type to a basic data type?
7. How can you open and close a file?
8. Define file pointer.
9. Write the syntax of catch keyword.
10. How do you handle throw keyword?

PART B — (5 × 5 = 25 marks)

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

11. (a) Describe the hierarchy of console stream classes.

Or

- (b) Mention the categories of formatted console I/O operation.

12. (a) Describe the concept of friend function.

Or

- (b) Briefly explain dynamic initialization through constructors.

13. (a) Explain unary operator overloading.

Or

- (b) Mention a brief outline of abstract class.

14. (a) Narrate inheritance of class template.

Or

- (b) Describe the concepts of random access to a file.

15. (a) Briefly explain exception in constructor and destructor.

Or

- (b) Discuss about memory allocation failure exception.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss about object oriented paradigm with neat diagram.
17. Explain in detail about pointers to objects.

18. Mention the important concept of overloading with friend function.
 19. Explain the concept of file pointer and their manipulator.
 20. Illustrate in detail about exception in operator overloaded function.
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D-1125

Sub. Code

**31A/
13731**

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2023.**

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. பத்துப்பாட்டு பெயர்க் காரணம் தருக.
2. மஞ்சைப்பத்து-குறிப்பு வரைக.
3. நற்றிணையின் பாடலடி வரையறையைச் சுட்டுக.
4. உலோச்சனார் சுட்டும் இரும்பு போன்ற மரம் எது?
5. திருக்குறளில் பயின்று வரும் பாவகையைக் கூறுக.
6. மங்கலம் என்பது யாது? திருக்குறள் வழி விளக்குக.
7. நான்மணிக் கடிகையின் ஆசிரியர் யார்?
8. பறை ஒலியால் இறக்கும் பறவை எது?

9. இராசராச சோழனின் மகள் பெயரைச் சுட்டுக.
10. சுவடுகள் நாவலில் இடம்பெறும் தலைமை மாந்தர் பெயர்களை எழுதுக.

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒருபக்க அளவில் விடை தருக.

11. (அ) முல்லைப் பாட்டு கூறும் விரிச்சி கேட்டல் குறித்து எழுதுக.

(அல்லது)

(ஆ) மஞ்சைப்பத்து வெளிப்படுத்தும் வர்ணனைகளை விளக்குக.

12. (அ) மேகம் பெரும் மழை பொழிந்ததனால் ஏற்பட்ட பயன்களாகப் பெருங்குன்றூர்க் கிழார் குறிப்பிடுவன யாவை?

(அல்லது)

(ஆ) வரைவிடை மெலிவு ஆற்றுவிக்கும் தோழி தலைவனை நோக்கிக் கூறியது யாது?

13. (அ) குறித்த பருவத்தில் தலைவன் வாராமையால் ஏற்பட்ட தலைவியின் நிலையாகக் கருவூர்க் கோசிகனார் கூறுவனவற்றை எழுதுக.

(அல்லது)

(ஆ) வரைவிடை வைத்துப் பிரிந்தபோது தலைவி வருந்திய நிலையை உலோச்சனார் எங்ஙனம் புனைகின்றார்?

14. (அ) வாழ்க்கைத் துணை நலம் கூறும் செய்திகளைத் திருக்குறள் வழி ஆராய்க.

(அல்லது)

(ஆ) நான்மணிக் கடிகை சுட்டும் நல்லாள் பிறக்கும் குடியை அறிபவர் யார்?

15. (அ) இராசராச சோழன் நாடகத்தின் தொடக்கச் சிறப்பினை விளக்குக.

(அல்லது)

(ஆ) சுவடுகள் நாவலில் இரகுபதி பாத்திரப் படைப்பினை ஆராய்க.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. முல்லைப் பாட்டு சுட்டும் காரகால வருணனையைக் கட்டுரையாக்கம் செய்க.

17. கபிலர் குறிஞ்சித் திணை பாடுவதில் வல்லவர் என்பதை நும்பாடப் பகுதி கொண்டு விளக்கி வரைக.

18. பதினென்கீழ்க் கணக்கு நூல்கள் சுட்டும் வாழ்வியல் அறங்களைத் தொகுத்துரைக்க.

19. இராசராச சோழன் நாடகத்தின் பாத்திரப்படைப்பு உருவாக்கம் குறித்து விவரிக்க.

20. சுவடுகள் நாவலின் கதைப் போக்கு அமைப்பினைக் கட்டுரை வடிவில் எழுதுக.

D-1126

Sub. Code

31B

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc. B.C.A. DEGREE EXAMINATION,
MAY 2023.**

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 questions.

1. What is Interpersonal Relationship?
2. What do you mean by developing human skills? Briefly answer.
3. Write briefly on Personality'.
4. Give the meaning of 'Positive Personality'.
5. Define 'Decision—Making' skills.
6. Give any two steps involved in decision making.
7. Write the meaning of goal setting.
8. Mention any one cause for Anger.
9. Write briefly on styles of Leadership.
10. What is Negotiation Skill?

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a note on levels of functions of mind.

Or

- (b) Discuss the merits of good habits.

12. (a) How do you build a 'Positive Personality'?

Or

- (b) Discuss the importance of self-acceptance.

13. (a) Discuss the skills involved in 'decision making'.

Or

- (b) What are creative Negotiation and competitive Negotiation?

14. (a) What is resistance to change?

Or

- (b) Write a note on 'peeling with change'.

15. (a) Discuss the necessity for developing positive attitudes.

Or

- (b) Write the Canons of good human relations.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the features of Interpersonal Behaviour.
17. Expound the etiquettes in using mobile phones and telephones.

18. Explain the various characteristics of Leadership.
 19. Discuss in detail the causes and consequences of anger.
 20. Explain the different methods of managing the stress.
-

D-1127

Sub. Code

32/13732

DISTANCE EDUCATION

**Common for B.A./B.Sc./B.C.A DEGREE EXAMINATION,
MAY 2023.**

Third Semester

PART II – ENGLISH PAPER III

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

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Write briefly about the Postmaster.
2. Who is the author of the prescribed one-act play — 'Progress'?
3. What was the discovering that astonished the Vicar?
4. What does the necklace in reality represent in 'The Diamond Necklace'?
5. Write the theme of the play 'The Proposal' briefly.
6. Why does Mrs. Higgins refuse to serve breakfast to Philip?
7. What according to Pierre, is a sure sign of starvation?
8. Why could Swami hardly breathe?[in 'A Hero]
9. Give any four examples for Common Noun.

10. Fill in the blanks with the Abstract Nouns formed from the words given in brackets:

(a) Solomon was famous for his _____ (wise).

(b) Always speak the _____ (true).

PART B — (5 × 5 = 25 marks)

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

11. (a) “Guy de Maupassant talks about the deceptiveness of appearances in ‘The Diamond Necklace’. Justify.

Or

(b) Attempt a character sketch of the Verger.

12. (a) How do Lomov and Natalya fight over the quality of dogs?

Or

(b) Bring out the comic elements in ‘The Boy Comes Home’.

13. (a) How does the playwright bring out Pierre’s nervousness when he presents himself as the messenger to carry the eel pie?

Or

(b) Why did Swami keep expecting the devil to come and carry him away?

14. (a) What happened to the Postmaster and Ratan at the end of the story, ‘The Postmaster’?

Or

(b) Write a summary of ‘The Refugee’.

15. (a) Pick out the Adjectives in the following sentences and state their kind:
- (i) Some dreams are like reality.
 - (ii) Such men are dangerous.
 - (iii) He lives on Yonder Mountain.
 - (iv) I saw several sheep in the valley.
 - (v) He is ninety years of age.

Or

- (b) Choose the right verbs from brackets to complete each sentence:
- (i) The wind (blew, galloped, flew) hard that day.
 - (ii) A cork (floats, sails, flows) on water.
 - (iii) A river (floats, flows, swims) by our village.
 - (iv) The bird has (flown, fled, run) out of the cage.
 - (v) The servant (lay, laid, put) the table for breakfast.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. How does 'The Diamond Necklace' explore the perceived power of objects?
17. Whom do you think was wiser, Swami or his father? Justify your preference. [in 'A Hero']
18. Comment on the tendency of wealthy families seeking ties with other wealthy families as presented in 'The Proposal'.
19. Describe the events that took place in your College Day celebration.

20. Fill in the blanks with correct kind of Pronouns:
- (a) The prisoner hanged _____ (reflective)
 - (b) They _____ went there. (Emphasizing)
 - (c) _____ is my house. (demonstrative)
 - (d) Do good to _____ (indefinite)
 - (e) _____ of the girls was given a rose.
(Distributive)
 - (f) _____ do you want to see ? (interrogative)
 - (g) This is the horse _____ won the race.
(relative)
 - (h) This is the boy _____ the teacher praised.
(relative)
 - (i) I _____ was there. (Emphasizing)
 - (j) The horse has hurt _____ (Reflexive)
-

D-1236

Sub. Code

13033/13233

DISTANCE EDUCATION

B.Sc. (CS)/B.Sc. (CS) (LATERAL ENTRY)
DEGREE EXAMINATION, MAY 2023.

Third Semester

DATA STRUCTURES AND ALGORITHMS

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define the term data structure.
2. How do you measure the algorithm running time?
3. Mention the applications of stack.
4. Define circular queue.
5. What is mean by siblings?
6. Comment on non linear data structure.
7. What is mean by balanced search tree?
8. State the needs of searching.
9. Write the time complexity of radix sort.
10. Define tree sort.

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the characteristics of array.

Or

- (b) Define array. How to initialize the array?

12. (a) Write an algorithm for push and pop operations on stack.

Or

- (b) Write a short note on single linked list.

13. (a) Explain about binary tree representation.

Or

- (b) Elaborate note on hashing techniques.

14. (a) Differentiate linear search and binary search.

Or

- (b) Explain binary search tree with an example.

15. (a) Illustrate the concept of bubble sort with example.

Or

- (b) Write an algorithm for selection sort.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the role of space complexity for measuring the performance of an algorithm.
17. Discuss about linked list representation.

18. Describe the binary tree traversal.
 19. Illustrate the insertion and deletion operations on linear search tree.
 20. Explain quick sort with example.
-

D-1128

Sub. Code

41A/13741

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2023.**

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 விடையளிக்க.

1. இயலசையின் வகைகளைக் குறிப்பிடுக.
2. தளை எத்தனை வகைப்படும்?
3. கலிப்பாவிற்கான ஓசையைக் கூறுக.
4. குறிஞ்சித்திணைக்கான சிறுபொழுதுகளை எழுதுக.
5. செவியறிவுறுஉ என்றால் என்ன?
6. சிலேடை – குறிப்பு வரைக.
7. குறிஞ்சிப்பாட்டு என்னும் நூலைப் பாடியவர் யார்?
8. திருக்குறளில் மொத்தம் எத்தனை அதிகாரங்கள் உள்ளன?
9. சீவகசிந்தாமணி காப்பியத்தை இயற்றிய ஆசிரியர்?
10. 'பாஞ்சாலி சபதம்' காப்பியக் கதை மாந்தர்கள் இருவரைக் குறிப்பிடுக.

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) அடியின் வகைகளைச் சான்றுகளுடன் விளக்குக.

(அல்லது)

(ஆ) சிந்து என்னும் யாப்பு வகையை விளக்கி வரைக.

12. (அ) அறத்தொடு நின்றல் என்றால் என்ன? அதன் முக்கியத்துவத்தைச் சுட்டுக.

(அல்லது)

(ஆ) சங்க காலத்தில் நடுகல் வழிபாடு மேற்கொண்ட வரலாற்றை எழுதுக.

13. (அ) 'மையோ மாமலையோ மறிகடலோ' - இதில் பயின்று வரும் அணியை விளக்குக.

(அல்லது)

(ஆ) மொழி நடையில் காற்புள்ளி எவ்வெவ்விடங்களில் பயன்படுத்த வேண்டும்?

14. (அ) பத்துப்பாட்டில் இடம்பெற்றுள்ள ஆற்றுப்படை நூல்களைப் பற்றி எழுதுக.

(அல்லது)

(ஆ) திருக்குறள் எங்ஙனம் பகுக்கப்பட்டுள்ளது? விளக்கி வரைக.

15. (அ) கம்பராமாயணத்தின் தனிச்சிறப்புகளைப் புலப்படுத்துக.

(அல்லது)

(ஆ) சிற்பியின் 'மௌன மயக்கங்கள்' கவிதைகள் குறித்து விரித்துரைக்க.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. தொடையின் வகைகளைச் சான்றுகளுடன் விளக்கி வரைக.
17. புறத்திணையின் வகைகளைச் சான்றுகளுடன் விளக்குக.
18. செய்யுள் படைப்பில் அணி இலக்கணம் பெறுமிடத்தை எடுத்துரைக்க.
19. கம்பரின் கவித்திறத்தைச் சான்றுகளுடன் கட்டுரைக்க.
20. 'பாண்டியன் பரிசு' காப்பியத்தின் கதைக் களத்தை விரித்துரைக்க.

D-1129

Sub. Code

41B

DISTANCE EDUCATION

COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2023

Fourth Semester

PART I — HUMAN SKILLS DEVELOPMENT – II

(CBCS 2018-19 Academic Year onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Write any four techniques of counselling.
2. Why are managerial skills important?
3. What is conceptual skills? Give two examples.
4. Write about the importance of organisational skills.
5. What are the two types of multitasking?
6. Write five qualities of a good leader.
7. What are the most common types of social interaction?
8. What are problem-solving skills?
9. Define dependability in problem solving skills.
10. What is the main goal of cooperative learning skills?

SECTION B — (5 × 5 = 25 marks)

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

11. (a) Illustrate the role of a counsellor.

Or

- (b) Elaborate the human relational skills.

12. (a) How to prepare for a presentation?

Or

- (b) Define the nature of organizational skills.

13. (a) What are the skills you must convey in a job interview?

Or

- (b) What are the demands of multi tasking?

14. (a) What are the employability skills?

Or

- (b) Define intrapersonal skills with examples.

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

Or

- (b) What is the importance of social responsibility?

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe managerial skills and its need.

17. Elaborate importance and meaning of conceptual skills.

18. Write an essay on nature, importance and types of organisational skills.
 19. Responsibilities of an individual in a society. Explain.
 20. How to handle a problem?
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D-1130

Sub. Code

42/13742

DISTANCE EDUCATION

**Common for B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
MAY 2023.**

Fourth Semester

Part II – ENGLISH PAPER-IV

**(CBCS 2018 – 2019 academic year onwards / 2021 calendar
year onwards)**

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What surprise was in store for Lalajee before he left Mokameh Ghat?
2. In “A Day’s Wait,” how does the father dispel the boy’s fear?
3. What is the meaning of the title, Pygmalion?
4. Where did Swami and his friends live?
5. On what condition does Shylock agree to loan money to Antonio?
6. Who was Paulina?
7. What was Gandhiji’s weapon against the British rule?
8. How did Nehru endear himself to everyone?

9. What is meant by “Concord”?
10. How would you thank a stranger who lends you a pen at the post office?

PART B — (5 × 5 = 25 marks)

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

11. (a) What is the moral of the story, “Little Girls are Wiser than Men”?

Or

- (b) Write a brief description of Klass Van Bommel.

12. (a) What happens during the Ambassador’s garden party in *Pygmalion*?

Or

- (b) Justify the title of the story, *Swami and His Friends*.

13. (a) What reasoning did Arragon use in choosing the casket?

Or

- (b) What is the function of the Nurse in *Romeo and Juliet*?

14. (a) What was the legitimate aspiration of the blacks?

Or

- (b) Describe Toynbee’s second meeting with Nehru.

15. (a) Choose the correct form of the verb that agrees with the subject:
- (i) The cost of cars _____(is, are) high.
 - (ii) Neither the workers nor the manager _____ (was, were) to blame.
 - (iii) Every spring the alumni _____ (gather, gathers) in the Quadrangle for reception.
 - (iv) The crowd at the match _____ (have, has) been standing the entire time.

Or

- (b) Write a paragraph on the proverb, "Well begun is half done."

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

- 16. How were the trips by the two old men fulfilled in their own ways?
- 17. How does *Pygmalion* deal with the issue of social class?
- 18. Consider *Romeo and Juliet* a tragic love story.
- 19. Write an essay on the personality of Nehru from Toynbee's account.
- 20. Draft a discussion between a teacher and the student on the possible abuses of the Internet.

D-1237

Sub. Code

13043/13243

DISTANCE EDUCATION

B.Sc. (CS)/B.Sc. (CS) (LATERAL ENTRY)
DEGREE EXAMINATION, MAY 2023.

Fourth Semester

JAVA PROGRAMMING

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Give the examples of web browser.
2. Expand JVM and write few words about it.
3. List out some special operators.
4. What do you mean by decision making?
5. How can you add a variable to a class?
6. What do you mean by wrapper class?
7. Define user defined package.
8. List the thread exception.
9. Give any two applet tags.
10. What do you mean by graphics?

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain about java and internet.

Or

- (b) Write short note on constants with example.

12. (a) Explain logical operators with an example.

Or

- (b) Discuss about for loop with an example.

13. (a) Briefly explain about nesting of methods.

Or

- (b) How do you implement an interface in java? Explain.

14. (a) Illustrate the steps to stop and block a thread.

Or

- (b) Narrate types of errors.

15. (a) Write a program to draw a line and rectangle.

Or

- (b) Write short note on drawing polygons.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain in detail about program structure and write a simple java program.
17. Narrate about operator precedence and its associativity.

18. Discuss in detail about arrays with their types and examples.
 19. Mention the steps to implement the Runnable interface.
 20. Explain about graphics class.
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D-1238

Sub. Code

13051/13251

DISTANCE EDUCATION

B.Sc.(CS)/B.Sc.(CS)(Lateral Entry) EXAMINATION,
MAY 2023.

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. What do you mean by operating system?
2. Define the term Interrupts.
3. What is concurrent execution in OS?
4. List out the types of Semaphores.
5. What is Deadlock?
6. Comment on safe state and unsafe state.
7. What is meant by Paging?
8. Define Swapping.
9. What is basic file system?
10. What do mean by C-SCAN Scheduling?

PART B — (5 × 5 = 25 marks)

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

11. (a) List out the components of Operating System.

Or

- (b) What are the states involved in Process Control Block? Explain.

12. (a) How to implement mutual exclusion primitives? Explain.

Or

- (b) Define Semaphores. Explain how it can be used to implement mutual exclusion?

13. (a) Classify the various conditions for Deadlock.

Or

- (b) What are the several criteria in process scheduling policy? Explain.

14. (a) Give a brief note on single contiguous memory allocation.

Or

- (b) Discuss about FIFO Page Replacement.

15. (a) Examine the concept of C-SCAN Scheduling.

Or

- (b) Elucidate the SCAN Scheduling.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Discuss the architecture of Operating System.
 17. Explain the solution to producer – consumer problem.
 18. Describe deadlock avoidance using Banker's algorithm.
 19. Elaborate Paged Memory Allocation.
 20. Illuminate the logical file system access methods.
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D-1239

Sub. Code

13052/13252

DISTANCE EDUCATION

B.Sc.(CS)/B.Sc.(CS)(Lateral Entry)
DEGREE EXAMINATION, MAY 2023.

Fifth Semester

RELATIONAL DATABASE MANAGEMENT SYSTEMS

(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 Database Management Systems?
2. What is a Data Model?
3. What are Integrity Constraints?
4. Define Domain Relational Calculus.
5. What are Aggregative operators?
6. What is meant by Redundancy?
7. What is meant by Log?
8. What is meant by Buffer Management?
9. Write in short notes on Advanced recovery systems.
10. What is meant by B+ Trees?

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain in detail about the Query Processor.

Or

- (b) Discuss in detail about the Concept Design with the ER Model.

12. (a) Describe in detail about logical database design.

Or

- (b) What is the difference between Tuple relational calculus and Domain relational calculus?

13. (a) Explain in detail about Disallowing Null values.

Or

- (b) Discuss in detail about Outer Join.

14. (a) Describe in detail about Atomicity and Durability.

Or

- (b) Discuss in detail about Buffer Management.

15. (a) Discuss in detail about Comparisons of File organizations.

Or

- (b) Explain in detail about Intuitions for tree Indexes.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain in detail about Database design and ER Model.
 17. Give detail notes on Renaming, Joins and Division.
 18. Discuss in detail about Decompositions.
 19. Discuss in detail about Multiple Granularity.
 20. Describe in detail about Index Sequential Access Methods (ISAM).
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D-1240

Sub. Code

13053/13253

DISTANCE EDUCATION

B.Sc.(CS)/B.Sc.(CS)(Lateral Entry)
DEGREE EXAMINATION, MAY 2023.

Fifth Semester

COMPUTER ARCHITECTURE

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions

1. Define: Computer Architecture.
2. What is meant by Operands and Operators in the instruction set?
3. Define: Hazards.
4. List out any two issues in Dynamic hardware Prediction.
5. Define: Instruction level parallelism.
6. List out the features for software speculation in architecture.
7. Define: Dependability.
8. What is meant by I/O Performance?

9. Define: Multiprocessor level parallelism.
10. Define the role of multiprocessor in computer architecture.

PART B — (5 × 5 = 25 marks)

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

11. (a) Write short note on : Memory addressing.
Or
(b) Explain: Encoding an instruction set.
12. (a) Describe about the concept of Hardware based speculation.
Or
(b) Write short notes about Limitations of ILP.
13. (a) Discuss the software approaches in instruction level parallelism.
Or
(b) Describe the static multiple issues in VLIW.
14. (a) Briefly explain the performance of main memory.
Or
(b) Write short notes on types of Buses in Memory architecture.
15. (a) Describe about the distributed memory architecture.
Or
(b) Brief the concept of Multithreading in Computer architecture.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain different types of operands and operations for media as well as signal processing.
 17. Discuss in about IP6 Micro architecture with neat diagram.
 18. Explain in detail about the architecture for IA 64 and Itanium processor in detail.
 19. Explain about Input Output performance measures.
 20. Discuss about the concept of Multiprocessor and Thread Level Parallelism.
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D-1241

Sub. Code

13061/13261

DISTANCE EDUCATION

B.Sc.(CS)/B.Sc.(CS) (Lateral Entry) DEGREE EXAMINATION,
MAY 2023.

Sixth Semester

COMPUTER NETWORK

(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 two interfaces provided by protocols?
2. Mention the different physical media.
3. What are the responsibilities of data link layer?
4. Define flow control.
5. State Virtual Circuit switching.
6. What are the different kinds of Multicast Routing?
7. What are the advantages of using UDP over TCP?
8. What is TCP?
9. What are the operations used in AES?
10. What is the purpose of the S-boxes in DES?

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the categories of networks.

Or

- (b) Give a short note on radio transmission and Infra-red transmission.

12. (a) Explain how pure ALOHA and slotted ALOHA differs in allocating multiple competing users in a shared channel.

Or

- (b) Give a brief account on the categories of flow control.

13. (a) Define routing and explain distance vector routing and dynamic routing.

Or

- (b) Explain in short on congestion control mechanisms in network layer.

14. (a) Explain in short about the working principle of SNMP.

Or

- (b) (i) Compare connectionless service & connection-oriented service. (3)

- (ii) List the three types of addresses in TCP/IP. (2)

15. (a) Explain the characteristics of block and stream ciphers.

Or

- (b) Explain the RSA algorithm. Compute cipher text for $M=88$, $p=17$ and $q=11$.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Describe the relative advantages and disadvantages of
(a) Terrestrial links (b) Satellite links (c) Optical fiber transmission.
 17. Explain the working of carrier sense multiple access protocol.
 18. Explain in detail on packet switching with a neat diagram.
 19. (a) Elucidate in detail on WWW. (5)
(b) Explain in short on the domain hierarchy and name servers in DNS. (5)
 20. Explain AES encryption and Decryption in detail.
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D-1242

Sub. Code

13062/13262

DISTANCE EDUCATION

B.Sc.(CS)/B.Sc.(CS) (Lateral Entry) DEGREE EXAMINATION,
MAY 2023.

Sixth Semester

VISUAL BASIC PROGRAMMING

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What programming language is VB based on?
2. What are events?
3. How can you select multiple controls?
4. What is the difference between an object and a control?
5. State recursive functions.
6. Which two control & displays graphic images?
7. What menu option should all applications use?
8. List the use of MDI child forms.
9. State ADO.
10. List the use of commit and rollback.

PART B — (5 × 5 = 25 marks)

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

11. (a) Give an account on working with forms.
Or
(b) Describe about the making EXE file.
12. (a) Discuss about the declaring and using variables.
Or
(b) Write a program using Frame.
13. (a) Explain about the Date and Time functions.
Or
(b) Evaluate the sub main procedure.
14. (a) How do you adding code to menu?
Or
(b) Describe about the basic building in MDI form.
15. (a) How do you accessing Microsoft access files?
Or
(b) Illustrate the ADO object model?

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Elaborate the working with VB projects.
17. Write a VB program using While-wend control structure.
18. Evaluate the indexing and event handling.
19. How do you creating menu in VB program?
20. Discuss about adding records, editing records and closing the database connection.

D-1243

Sub. Code

13063/13263

DISTANCE EDUCATION

B.Sc.(CS)/B.Sc.(CS) (Lateral Entry) DEGREE EXAMINATION,
MAY 2023.

Sixth Semester

SOFTWARE ENGINEERING

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Software Engineering.
2. Write a short note on Waterfall Model.
3. Write a function of Elaboration.
4. Define Cardinality.
5. What is known as Information Hiding?
6. Why is Architecture Important?
7. What is called as Testing?
8. How many ways software measurement can be categorized?
9. Describe the characteristics of Software Risks.
10. Define a Quality Assurance System.

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a note on Customer Myths.

Or

- (b) Describe about Team Software Process (TSP).

12. (a) Write a short note of Elicitation function in requirement engineering task.

Or

- (b) Illustrate Sequence Diagram for the Safe Home security function.

13. (a) List out the characteristics of a well-formed Design Classes.

Or

- (b) Explain about common design issues in interface design.

14. (a) Explain about Debugging Process.

Or

- (b) Explain about Object-Oriented Metrics.

15. (a) Give notes on the RMMM Plan.

Or

- (b) Write down the guidelines for Formal Technical Reviews.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write brief notes on the Unified Process.
 17. Explain about Data Modeling Concepts.
 18. Illustrate the Golden Rules for Interface Design.
 19. Discuss on Integration Testing.
 20. Explain about Software Quality Assurance.
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