

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-1224

Sub. Code

12913

DISTANCE EDUCATION

**B.Sc. (Information Technology) DEGREE EXAMINATION,
MAY 2023.**

First Semester

PRINCIPLES OF INFORMATION TECHNOLOGY

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Comment on Connectivity.
2. Define Communication System.
3. What is meant by Software?
4. Give a short note on HTML.
5. What is Number System?
6. Define Sum of Products.
7. Compare Analog and Digital Signals.
8. What is Cyberethics?
9. List out various types of Secondary storage devices.
10. Define Data Storage.

SECTION B — (5 × 5 = 25 marks)

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

11. (a) Explain various elements of a Computer.

Or

- (b) Write about the developments in Communication Technology.

12. (a) Elaborately explain about Database Software.

Or

- (b) Discuss about Internet Web Browsers.

13. (a) Write a note on Binary Arithmetic.

Or

- (b) Briefly Explain about fundamentals of Boolean Algebra.

14. (a) List out the practical uses of communications and connectivity.

Or

- (b) Explain various factors affecting Data Transmission.

15. (a) Differentiate Compression and Decompression.

Or

- (b) Write about DBMS.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss about development of Computer Technology.
 17. Explain various types of application softwares.
 18. How to convert one base to another base? Explain with Example.
 19. Discuss about Modem and Communication Software.
 20. Explore various types of Database Organization.
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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-1225

Sub. Code

12923

DISTANCE EDUCATION

**B.Sc. (Information Technology) DEGREE EXAMINATION,
MAY 2023.**

Second Semester

PROGRAMMING IN C AND DATA STRUCTURES

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. List any two programming languages.
2. What are the rules for defining variables?
3. Define macro.
4. What is a string? Give example.
5. What are the types of files? List them.
6. Write short note on: Enumerated data types.
7. What is infix notation in expression evaluation? Give example.
8. What do you mean by overflow in stack?
9. Define Complete Binary Tree. Give examples.
10. Show array representation of binary tree.

SECTION B — (5 × 5 = 25 marks)

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

11. (a) Distinguish between '*continue*' and '*break*' statements.

Or

- (b) Explain in detail about 'switch' statement with example.

12. (a) Illustrate the use of global and static variables.

Or

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

13. (a) Write short note on; Self-referential structures.

Or

- (b) What do you mean by formatted I/O with files? Discuss in brief.

14. (a) Discuss the evaluation of expression using stack with the help of an example.

Or

- (b) How will you implement circular queue? Explain briefly.

15. (a) Elucidate about the linked representation of binary tree. Give example.

Or

- (b) Describe the pre-order tree traversal method with suitable example.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain in detail about '*nested if*' structures with help of suitable examples.
 17. Write a C program to sort N given numbers using single dimensional array.
 18. Compare union and structure. How will you define and access union members? Explain.
 19. Elucidate about the insertion and deletion operations of doubly linked list with example.
 20. Write short note on :
 - (a) Spanning Tree and Forest. (4)
 - (b) Division remainder hashing technique. (6)
-

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-1226

Sub. Code

**12933/
13133**

DISTANCE EDUCATION

**B.Sc. (Information Technology/B.Sc. (IT) (Lateral Entry)
DEGREE EXAMINATION, MAY 2023.**

Third Semester

INTERNET AND JAVA PROGRAMMING

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is Internet? How does it differ from Intranet?
2. What is WWW? Name any three security issues in internet.
3. How reusability is achieved in Java?
4. What is platform independency?
5. What is an applet program?
6. Define Inheritance.
7. What is an abstract class?
8. Define an interface.
9. What is a thread?
10. Give the contents of Java Environment (JDK).

SECTION B — (5 × 5 = 25 marks)

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

11. (a) Explain Telnet in detail.

Or

- (b) Describe Usenet Newsgroup.

12. (a) How java differs from C and C++?

Or

- (b) Explain data types in Java.

13. (a) Describe Decision Making Statements in Java.

Or

- (b) What are the properties of an interface?

14. (a) What is the purpose of the finally clause of a try-catch-finally statement?

Or

- (b) Write a java program to display polygons using applet.

15. (a) Describe Finally statement in Java.

Or

- (b) Discuss Random Access Files in Detail.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss about E-mail.
 17. How will you implement using Runnable Interface?
Explain with example.
 18. Explain the different states of a thread.
 19. Explain the different ways to handle exceptions.
 20. Illustrate on Constructor 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 are 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?
-

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-1227

Sub. Code

12943/13143

DISTANCE EDUCATION

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

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 the questions.

1. Define Open Source Software
2. What is Single Task System?
3. Give string types available for column?
4. What does a `TIMESTAMP` do on `UPDATE CURRENT_TIMESTAMP` data type?
5. List out the datatypes of PHP.
6. What is meant by LDAP?
7. Compose the importance of indentation in python.
8. Define the two modes in Python.
9. Which feature of Perl provides code reusability?
10. How do you replace every `TAB` character in a file with a comma?

PART B — (5 × 5 = 25 marks)

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

11. (a) What are the four important factors that led to the development of open source software?

Or

- (b) List out the advantages of open sourcesystem.

12. (a) How do you set the Date and Time? Give Example.

Or

- (b) What is Meta Data? Explain its working mechanism.

13. (a) Discuss in detail about constants in PHP with an example.

Or

- (b) What is Regular Expression? How do you handle it? Explain.

14. (a) Clarify the concept of classes and OOP.

Or

- (b) Give a brief account on Dictionaries.

15. (a) Clarify the concept of Perl backgrounder.

Or

- (b) Give a brief account on Subroutines.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the Shell commands that used in Linux.
 17. Explicate the various string functions used in MySQL with necessary examples.
 18. Discuss in detail about different types of operators used in PHP.
 19. Elucidate the concept of conditional statements with examples.
 20. Give a brief account on Control Structures in Perl.
-

D-1228

Sub. Code

12951/13151

DISTANCE EDUCATION

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

Fifth Semester

Information Technology

DISCRETE MATHEMATICS

(CBCS 2018-19 Academic Year onwards)

Time : Three hours

Maximum : 75 marks

PART A — ($10 \times 2 = 20$ marks)

Answer ALL questions.

1. What is notation?
2. Define Power set.
3. List out the properties of relations.
4. Comment on partially ordered set.
5. What is function?
6. Define hashing function.
7. Comment on Monoids.
8. Define Cosets.
9. Why need probability distributions?
10. What is meant by acyclic graph?

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a note on Predicate calculus.

Or

- (b) Explain about normal forms.

12. (a) Describe relation properties in detail.

Or

- (b) Briefly explain about equivalence and compatibility relations.

13. (a) Explain about composition function.

Or

- (b) Give a note on binary and n-ary operations.

14. (a) Briefly explain about Homomorphism of semigroups and Monoids.

Or

- (b) Discuss about Subsemigroups and Submonoids.

15. (a) Write a note on reach, ability and connectedness.

Or

- (b) Explain about Baye's theorem.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Illustrate on theory of inference for the statement calculus.
 17. Explain the relation matrix and graphs of a relation.
 18. Discuss about characteristic function and hashing function.
 19. Explain about Algebraic system General properties and Examples.
 20. Illustrate on Conditional probability independence.
-

D-1229

Sub. Code

12952/13152

DISTANCE EDUCATION

B.Sc. (Information Technology)/B.Sc. (IT) (Lateral Entry)
DEGREE EXAMINATION, MAY 2023

Fifth Semester

OPERATING SYSTEMS

(CBCS 2018-19 Academic Year onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Write about the single processor system.
2. What is a System Call?
3. Define a Process.
4. List out the need for wait queue.
5. Define semaphore.
6. Analyze how a deadlock can occur?
7. Differentiate the internal and external fragmentation.
8. What is paging?
9. List out various file operations.
10. Write about the direct file access.

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain in detail about the multitasking system.
Or
(b) Illustrate the layered approach in operating system.
12. (a) Describe about the process control block.
Or
(b) Write in detail about the Context Switching.
13. (a) Explain any one of the classic problems in synchronization.
Or
(b) Define the four necessary conditions that characterize deadlock.
14. (a) Explain about fragmentation.
Or
(b) Illustrate the translation of logical to physical addresses in a paging system.
15. (a) Explain the indexed allocation of disk space.
Or
(b) Differentiate the SCAN and C-SCAN scheduling algorithm.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain in detail about the Operating System Services.
17. Describe in detail about the Inter process communication.

18. Evaluate the four different approaches for preventing deadlocks.
 19. Analyze the best-fit, first-fit and worst-fit strategies in memory allocation.
 20. Explain with an example any one of the disk scheduling algorithms.
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D-1230

Sub. Code

12953/13153

DISTANCE EDUCATION

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

Fifth Semester

RELATIONAL DATABASE MANAGEMENT SYSTEMS
(RDBMS)

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define the terms Database.
2. What are the commands in DML?
3. Define tuple.
4. What is mean by division in RDBMS?
5. Define nested quires.
6. Expand and define BCNF.
7. List out various types of log records.
8. Define log.
9. What is cluster indexes?
10. Define B+ trees.

SECTION B — (5 × 5 = 25 marks)

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

11. (a) Define entity and relations with example.

Or

- (b) What is means by data abstraction.

12. (a) Explain about logical data base design.

Or

- (b) With example explain views.

13. (a) What is multivalued dependency? When does it arise?

Or

- (b) Describe in detail about the Second Normal Form.

14. (a) Explain about time stamp based protocols.

Or

- (b) What is meant by buffer management?

15. (a) Explain primary and secondary indexes.

Or

- (b) What is tree based indexing?

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain about relationship and relationship set.

17. With example explain selection and projection set operations.

18. Define Normalization. What is the purpose of Normalization.
 19. Mention the possible failure types that occur during transaction.
 20. Explain about dynamic index structure.
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D-1231

Sub. Code

**12961/
13161**

DISTANCE EDUCATION

**B.Sc.(Information Technology)/B.Sc. (IT) (Lateral Entry)
DEGREE EXAMINATION, MAY 2023.**

Sixth Semester

.NET 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 a form? List out the properties of Form Type?
2. What is the difference between check box and radio button?
3. What is a variable?
4. What is Module?
5. Write short notes on Progress bar.
6. Expand MDI and write a note.
7. What is a database?
8. Give the syntax of Message Box ().
9. What is a command window?
10. List any two properties of List Box.

PART B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the framework of .NET in detail.

Or

- (b) How to declare a multidimensional array?

12. (a) Explain the use of Layout window with example.

Or

- (b) Describe the differences between List and Combo Box.

13. (a) Explain VB Environment with diagram.

Or

- (b) Write a VB Program to develop a calculator.

14. (a) What is the purpose of the PrintDialog and ColorDialog in VB?

Or

- (b) Write a VB Program to find the volume of a cube.

15. (a) Explain Control Structures with example.

Or

- (b) How to pass arguments in functions in VB?

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the difference between Procedure and Object Oriented functions.
17. Describe String Manipulation Functions.
18. Explain the difference between structured and Unstructured Error Handling in .NET.
19. Explain ADO.NET programming in detail.
20. Explain the following :
 - (a) Label
 - (b) Button
 - (c) Text Box and Check Box

D-1232

Sub. Code

12962/13162

DISTANCE EDUCATION

B.Sc. (Information Technology)/B.Sc. (H) Lateral Entry
DEGREE EXAMINATION, MAY 2023

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 a system.
2. List out various stages of SDLC.
3. Why need background analysis?
4. Define fault finding techniques.
5. Compare logical and physical design.
6. Why need input validation?
7. Define system testing.
8. List out various advantages of database.
9. Comment on training methods.
10. Define system maintenance.

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the role of system analyst.
Or
(b) Write in detail about DSS.
12. (a) Describe about the feasibility study.
Or
(b) Illustrate the cost benefit analysis.
13. (a) Explain in detail about the input design.
Or
(b) Describe the form driven methodology.
14. (a) Classify the different types of system testing.
Or
(b) Write about the different types of database.
15. (a) Describe the various data and file preparation steps.
Or
(b) Explain about the evaluation process.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Elaborately write about the System Development Lifecycle.
17. Draw the data flow diagram for library management system.

18. Explain the process and stages of the system design.
 19. With an example explain the top-down approach.
 20. Describe various conversion methods.
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D-1233

Sub. Code
12963/13163

DISTANCE EDUCATION

B.Sc. (Information Technology)/B.Sc. (IT) (Lateral Entry)
DEGREE EXAMINATION, MAY 2023.

Sixth Semester

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. Write short notes on Hypermedia.
2. Define a term Image Resolution.
3. List out various advantages of digital representation for video.
4. What is mean by Digitization?
5. Describe Run-Length Coding.
6. Expand JPEG.
7. Define Motion Estimation.
8. What is called Subband Filtering?
9. Define a term Latency.
10. What is known as IP-Multicast?

PART B — (5 × 5 = 25 marks)

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

11. (a) Write notes on Overview of Multimedia Software Tools.

Or

- (b) Explain about the YUV Color Model.

12. (a) Classify types of Video Signals.

Or

- (b) Comment on Nyquist Theorem.

13. (a) Write a notes on Arithmetic Coding.

Or

- (b) Explain about differential coding of Images.

14. (a) Write notes on video compression based on motion compensation.

Or

- (b) Comment on ADPCM.

15. (a) Give notes on TCP.

Or

- (b) State important parameters of QoS.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Comment on Image Data Types.

17. Briefly explain about MIDI.

18. Compare Run-Length and Variable Length Coding's.
 19. Write notes on search for motion vectors.
 20. Explain about Multimedia over IP.
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