

D-1788

Sub. Code

11 A/13711/0111

DISTANCE EDUCATION

COMMON FOR B.A./B.Sc./B.B.A./B.B.A. (Banking)/B.C.A./
M.B.A. (Five Year Integrated) DEGREE EXAMINATION,
DECEMBER 2023.

First Semester

Part I — TAMIL – PAPER – I

(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. குருவாயூர் கண்ணனின் நிறம் யாது?
2. ஆயர்பாடி மாளிகையில் கண்ணன் செய்வது யாது?
3. கண்ணதாசனின் இயற்பெயரைக் குறிப்பிடுக.
4. பட்டுக்கோட்டை கல்யாண சுந்தரம் பிறந்த ஊர் யாது?
5. 'செய்யும் தொழிலே தெய்வம்' என்னும் பாடல் இடம்பெற்ற திரைப்படம்?
6. பாரத மாதாவிற்குத் 'திருப்பள்ளி எழுச்சி' பாடியவர் யார்?
7. சர்ப்ப யாகம் - நூல் குறிப்பு வரைக.
8. கண்ணகியின் சிலம்பில் எப்பரல்கள் இருந்தன?
9. உமறுப்புலவரை ஆதரித்த வள்ளல் பெயரை எழுதுக.
10. தேம்பாவணி - பொருள் தருக.

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) கண்ணன் துயில் எழுப்ப கோபியரைக் கண்ணதாசன் அழைக்குமாற்றை எழுதுக.

(அல்லது)

- (ஆ) கவிஞர் பட்டுக்கோட்டை கல்யாண சுந்தரம் பற்றி குறிப்பு வரைக.

12. (அ) கண்ணனின் குறும்புகளைப் பாரதியார் எங்ஙனம் பாடுகிறார்?

(அல்லது)

- (ஆ) பிறை நிலவைக் கவிஞர் பெ.தூரன் உருவகிக்குமாற்றை விவரிக்க.

13. (அ) 'வெறும் புகழ்' கவிதை வழி வல்லிக்கண்ணன் யதார்த்தத்தை எவ்வாறு உணர்த்துகிறார்?

(அல்லது)

- (ஆ) கண்ணகியின் வருகையை வாயில் காவலன் மன்னனுக்கு எங்ஙனம் அறிவிக்கிறான்?

14. (அ) நபிகள் நாயகம் அறபியை ஆட்கொண்ட திறத்தை விளக்கி வரைக.

(அல்லது)

- (ஆ) இறைவனை வணங்க கன்னித்தாயும் சூசையும் ஆயர்களை அழைக்குமாற்றை எழுதுக.

15. (அ) வழக்குரை காதையை சிலப்பதிகாரத்தின் வழி நின்று விளக்குக.

(அல்லது)

- (ஆ) கு.ப. இராஜகோபாலனின் படைப்புகளை விளக்குக.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. கண்ணதாசன் கண்ணனைப் புகழ்ந்துரைக்குமாற்றை விளக்கி வரைக.
17. பாரதிதாசன் உலகப்பன் பாடல் வழிக் கூறும் கருத்துக்களைத் தொகுத்துரைக்க.
18. இராமனின் சிறப்புகளைக் கம்பர் எடுத்துரைக்குமாற்றை விவரிக்க.
19. இளங்கோவடிகளின் கவித்திறத்தை நும் பாடப் பகுதியால் பாராட்டியுரைக்க.
20. தேம்பாவணி காப்பியச் சிறப்புகளை எடுத்துரைக்க.

D-1789

Sub. Code

11B/0311B

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.B.A./B.B.A. (Banking)/B.C.A./
M.B.A. (5 Year Integrated) DEGREE EXAMINATION,
DECEMBER 2023.**

First Semester

Part I — COMMUNICATION SKILLS – I

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Write the origin of the term 'Communication'.
2. Write the meaning of 'Communication'.
3. What is 'Oral Communication'?
4. Write any one importance of Oral Communication.
5. When do we claim that a communication is effective?
6. What is called as Body Language?
7. What are gestures?
8. Mention any one purpose of 'Meeting'.
9. What is logical presentation in Group Discussion?
10. Define 'Professional report'.

SECTION B — (5 × 5 = 25 marks)

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

11. (a) Discuss the different types of Communication.

Or

- (b) Write a note on Intonation.

12. (a) Discuss telephonic conversation as one of the forms of dyadic conversation.

Or

- (b) Discuss the forms of Oral Communication.

13. (a) Write on the Format of a Report.

Or

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

14. (a) Write a note on Content Writing.

Or

- (b) Discuss the three stages 'drafting, correction and final draft preparation'.

15. (a) Discuss the two senses in which the word 'meeting' is used.

Or

- (b) Discuss the purpose of conducting group discussion.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Examine the principles of effective communication.
17. Discuss the purpose of meetings.

18. Elucidate the features of written communication.
 19. Analyse the steps involved in Essay Writing.
 20. Explain the ways of organizing a group discussion.
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D-1790

Sub. Code

**12/13712/0112/
0312**

DISTANCE EDUCATION

COMMON FOR B.A/B.Sc./B.B.A./B.B.A.
(BANKING)/B.C.A./M.B.A. (5 YEAR INTEGRATED)
DEGREE EXAMINATION, DECEMBER 2023.

First Semester

Part II – ENGLISH PAPER – I

(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 makes water one of the most powerful and wonderful things on earth?
2. Why did Mrs. Packletide want to kill a tiger?
3. From where did Narwa and Haria collect bamboos for basket making?
4. How does the essay 'On Letter Writing' begin?
5. What are the good points of our civilization according to C.E.M. Joad?
6. Write Joad's opinion on machines in modern man's life.
7. Put the verbs in the brackets in the correct tense:
 - (a) I _____ (fall) asleep in the middle of his boring story.
 - (b) Even the best of students _____ (make) such mistakes.

8. Fill in the blanks with Prepositions:
- (a) He is running _____ the temple.
 - (b) He left _____ London yesterday.
9. Fill in the blanks with suitable Articles.
- (a) Which road is _____ right one?
 - (b) He is _____ salesman of _____ rare merit.
10. Write the purpose of Précis Writing.

PART B — (5 × 5 = 25 marks)

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

11. (a) What are the measures that are used to prevent soil erosion? ('Water the Elixir of Life')
- Or
- (b) Do you think Mrs. Packletide was able to achieve her heart's desire? Give reasons.
12. (a) How does Jim Corbett portray the friendship between Nawara and Haria?
- Or
- (b) How should a letter be written according to Alpha of the Plough (A.G. Gardiner)?
13. (a) Present the description given by Joad on modern civilization man's life.
- Or
- (b) Write a short summary of 'Food' by J.B.S. Haldane.

14. (a) You have arranged to meet a friend at the railway station but you could not do so. Write a letter of apology, explaining the lapse on your part.

Or

- (b) Use the correct form choosing from the verbs given in brackets:
- (i) Ten thousand rupees a month _____ (is /are) a good salary.
 - (ii) Six months _____ (is/are) a long time to stay away from home.
 - (iii) Either my mother or I _____ (am/is) to do the work.
 - (iv) Neither Sita nor her friends _____ (are/is) attending marriage.
 - (v) Bread and butter _____ (is/are) enough for me.
15. (a) Build a dialogue between you and your teacher. You are asking him/her to give you guidance for choosing a suitable course.

Or

- (b) Write a paragraph on the following topic.
'The First money I earned'.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Why does C.V. Raman call water as elixir? Justify.
17. Bring out the humour in 'Mrs. Packletide's Tiger'.
18. What does C.E. Joad talk about our civilization in his essay 'Our Civilization'? Explain.

19. Write a paragraph on using the hints given below:

A king unhappy – his people lazy – plans to teach them a lesson – puts a big stone in the middle of the road and purse of gold under it – many people pass by – no effort made to remove the stone – all go round it – curse the stone – blame the government – and await its removal – the stone lays there for a month – a stranger passes by – removes the stone with difficulty – finds the purse of gold – feels happy – the people feel ashamed...

20. Report the following conversation in Indirect Speech.

- (a) Can you tell me how to find the post office?
- (b) Which post office do you mean?
- (c) Is there more than one? I mean the one on the campus.
- (d) Oh, the Campus Post Office? Go straight along this road to the third street light and then turn right.
- (e) I see. Will it be open at this time?

D-1907

Sub. Code

13013

DISTANCE EDUCATION

B.Sc. (CS) (Computer Science) DEGREE EXAMINATION,
DECEMBER 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 questions.

1. Define Variable
2. What is mean by token?
3. Why do use header files?
4. What is array?
5. Comment on Recursion.
6. What is called static variable?
7. What is called null pointer?
8. List out drawback of pointers.
9. What is file?
10. What are the different file operations?

PART B — (5 × 5 = 25 marks)

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

11. (a) Describe the structure of C program.

Or

- (b) Write about evaluation of expression.

12. (a) Explain formatted input function in C.

Or

- (b) Write the syntax for nested if and else if ladder with example.

13. (a) Differentiate between call by value and call by reference.

Or

- (b) Write the block structure of function.

14. (a) How to declare pointer variable? Explain.

Or

- (b) Explain about pointer to function.

15. (a) Explain opening and closing a file with example.

Or

- (b) What is called command line argument? Explain.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Describe the four basic data types.
 17. Explain one dimensional array with example.
 18. Briefly explain categories of functions.
 19. Explain about Arrays of pointers with example.
 20. Explain in detail about Input/output operation on files.
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D-1791

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 2023.

Second Semester

Part – I – TAMIL PAPER – II

(CBCS 2018 – 19 Academic year onwards)

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க.

1. வீரமாமுனிவர் - குறிப்பு வரைக.
2. ஆயர்கள் குழந்தையை எவ்வாறு போற்றினர்?
3. “மதிற்போர்” என்றால் என்ன?
4. நீல பத்ம நாபனின் சிறுகதைகள் இரண்டிகைக் கூறுக.
5. ஐய வினா என்றால் என்ன?
6. பால் எத்தனை வகைப்படும்?
7. நாடகத்மிழ் - குறிப்பு வரைக.
8. மரபுக் கவிதை என்றால் என்ன?
9. சமணர்கள் இயற்றிய அறநூல்கள் யாவை?
10. தமிழில் இணையத்தின் பங்கு யாது?

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) “சாந்தி உள்ளம் உருகி போற்றி நின்றதனை” - விளக்குக.

(அல்லது)

(ஆ) பண்ணாற்றும் மருந்தால் பாவம் தீர்க்க வந்த காலத்தினை விவரி.

12. (அ) “விமோசனம்” சிறுகதை உணர்த்தும் பெண்களின் நிலையை எடுத்துரைக்க.

(அல்லது)

(ஆ) “கூழை தாங்கிய எருமை” என்பதனை விளக்குக.

13. (அ) பிறமொழிச் சொற்களைத் தமிழில் ஆளும் முறை பற்றி நீவிர் அறிவது யாது?

(அல்லது)

(ஆ) மொழி முதல் எழுத்துக்கள் குறித்து விளக்குக.

14. (அ) நாடகத் தமிழ் வளர்ச்சியில் பம்மல் சந்பந்த முதலியாரின் பங்களிப்பு யாது?

(அல்லது)

(ஆ) மரபுக் கவிதையில் பாரதிதாசனின் முக்கியத்துவம் யாது?

15. (அ) தொலைக்காட்சி தமிழுக்கு ஆற்றிவரும் பங்களிப்பு யாது?

(அல்லது)

(ஆ) தமிழ் வளர்ச்சியில் இணையத்தின் முக்கியத்துவம் பற்றி விளக்குக.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. நும் பாடப்பகுதியில் அமைந்துள்ள தேம்பாவணி பாடல் கருத்துக்களை தொகுத்துரைக்க.
17. கம்பன் புறத்திணையில் காணப்படும் “புறத்துறை மகளிர்” எனும் தலைப்பில் கட்டுரை வரைக.
18. சார்பெழுத்து என்றால் என்ன? அதன் வகைகளை எடுத்துக்காட்டுகளுடன் விளக்குக.
19. தமிழ்மொழிக்கு சைவ சமயப் பெரியவர்கள் ஆற்றிய தொண்டினை விவரிக்க.
20. பிற்கால காப்பியங்களில் இடம் பெற்றுள்ள “கம்பராமாயணம்” பற்றி ஒரு கட்டுரை வரைக.

D-1792

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,
DECEMBER 2023.**

Second Semester

Part I — COMMUNICATION SKILLS – II

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is meant by code of communication skills?
2. What do you mean by communication skills?
3. What are the three main elements of effective speaking?
4. Mention any four tips to improve speaking skills.
5. What are the types of listening?
6. What are the five stages of interview?
7. Write any two important elements for paragraph writing.
8. What does an editor do in publishing?
9. What is corporate communication?
10. Write any two tips for writing press release.

SECTION B — (5 × 5 = 25 marks)

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

11. (a) Jot down the whole communication process.

Or

- (b) How do stimulus and response play a major role in communication? Explain.

12. (a) Write in detail about pronunciation etiquette in communication skills.

Or

- (b) 'Phonetic symbols aid in improving one's communication skills' — Elucidate.

13. (a) Write a paragraph on Stress and Intonation.

Or

- (b) Give some self-assessment exercise for improving soft skills.

14. (a) What are the differences between discriminative and comprehensive listening?

Or

- (b) Explain in detail about three modes of communication.

15. (a) How do you write a business proposal email?

Or

- (b) What is the star method of interviewing? Explain.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. 'Is interference of mother tongue the major barrier for effective communication' – Discuss.
 17. Why does phonetics learning become significant for communicative skills? Explain.
 18. Write in detail about online presentation tools for presentation skills.
 19. Prepare a resume for a new job.
 20. You have received a communication for an interview for a job in Wipro. How will you prepare for an interview?
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D-1793

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 Years. integrated) DEGREE EXAMINATION,
DECEMBER 2023.

Second Semester

Part II — ENGLISH PAPER – II

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

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. To Whom the Sonnets of Shakespeare addressed?
2. What are the emotions evoked in “Lines Composed upon Westminster Bridge”?
3. To Which pointer does Andrea Del Sarto Compare Himself?
4. Define Soliloquy.
5. What does “Yellow Wood” stand for?
6. Where does the soldier in strange meeting find himself?
7. What does the word “Gitanjali” mean?

8. Why did Shylock hate Antonio?
9. What is the theme of the poem Coromandal Fishers?
10. What is note making?

PART B — (5 × 5 = 25 marks)

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

11. (a) Discuss briefly the romantic elements in “Lines composed upon West Minster Bridge”.

Or

- (b) What is the effect of Browning’s dramatic monologue?

12. (a) Bring out the symbolism in the poem “Andrea del Sarto”.

Or

- (b) “Let us sleep now...” what does the ‘sleep’ signify in Wilfred Owen’s “Strange Meeting”?

13. (a) How does Tagore express material desires and ego as main barriers in the path towards God?

Or

- (b) Is Shylock a Villian or victim?

14. (a) Attempt a short note on the morning scene at the seashore with reference to the Poem Coramandel Fishers.

Or

- (b) What does Stephen Spender’s “The Express” Symbolize? Discuss briefly.

15. (a) What is the format of note-making?

Or

- (b) What are steps to organize an essay?

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Elucidate the subject matter and theme of “Beauty is truth”, truth beauty, – that is all ye need to know on earth, and all you need to know”.
17. Justify the title “The Road not taken” as a metaphor of life.
18. Elucidate Tagore’s use of imagery in “Gitanjali” with appropriate language.
19. Make notes of the following passage :

Butterflies can be seen fluttering over flowers in the Himalayas, in the Gangetic plain or deep down in the villages in Tamilnadu. These beautiful creatures are useful pollinators. Their wings are formed of pigments of red yellow, black and white, while the blues, the greens and the metallic iridescent hues are the result of refraction. The patterns on butterfly wings are created by a mass of tiny coloured scales which overlap almost like the tiles on a roof. Their antennae are used primarily to find food and mates. They are covered with microscopic sense organs and moved by basal muscles. Through these, they perceive odours, changes in temperature, humidity in the air and certain other stimuli.

20. Read the following passage and answer the questions given below :

After we got independence, we in India have been trying to raise our standard of living. Though progress has not been as quick as we could have wished, there is no doubt that, in the last twenty-five years, we have been steadily inching our way towards some of our goals, we have almost enough food for our huge population, thanks to the revolution in agriculture. We have built a sound industrial base. We have dethroned hundreds of big and small white elephants – the princes. We have been trying to distribute land more fairly – But with limited success so far. We have also been trying to find employment for our youth – again with only partial success. These and other problems would no doubt become manageable if we could check the steep growth of our population.

- (a) Have living standards in India risen rapidly?
- (b) Who have we been trying to do with only partial success?
- (c) What have we succeeded in doing?
- (d) Have we succeeded in checking the population growth?
- (e) Have we been trying seriously to check it?

D-1908

Sub. Code

13023

DISTANCE EDUCATION

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

Second Semester

OBJECT ORIENTED PROGRAMMING AND C++

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define information hiding.
2. What do you mean by a token?
3. Write down the syntax and example to create a class.
4. How can you access a member functions?
5. What do you mean by array of objects?
6. Define inheritance.
7. List out the needs of virtual function.
8. Define template.
9. What do you mean by exception?
10. How do you handle exception in inheritance tree?

SECTION B — (5 × 5 = 25 marks)

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

11. (a) What are the features of object oriented programming?

Or

- (b) Describe unformatted I/O operations.

12. (a) Explain briefly different ways to define member functions of a class.

Or

- (b) Discuss about copy constructors.

13. (a) How the OOP supports multiple inheritance? Explain.

Or

- (b) Narrate pure virtual functions with example program.

14. (a) Explain briefly class templates with multiple arguments.

Or

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

15. (a) List out the mechanisms to handle an exception.

Or

- (b) Explain shortly exception in class templates.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss in detail about evolution of object oriented language.
 17. Explain call by reference and return by reference.
 18. Narrate about binary operator overloading with neat diagram.
 19. Describe the function templates with multiple arguments.
 20. Illustrate in detail about handling of uncaught exception.
-

D-1794

Sub. Code

31A/13731

DISTANCE EDUCATION

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

1. முல்லைப்பாட்டின் ஆசிரியர் யார்?
2. நாழிகைக் கணக்கரின் பணி யாது?
3. ஐங்குறு நூற்றில் கபிலர் சுட்டும் மரங்களின் பெயர்களை எழுதுக.
4. நற்றிணைப் பாடல்களைத் தொகுப்பித்த அரசன் யார்?
5. சோம்பலோடு இருப்பவர்க்கு எவை கிட்டாதெனக் கருவூர்க் கோசிகனார் கூறுகிறார்?
6. ஆனந்தப் பையுள் துறையை விளக்குக.
7. பாடாண் திணை - குறிப்பு வரைக.
8. திருக்குறளுக்கு வழங்கப்பெறும் வேறு பெயர்கள் யாவை?
9. விமலாதித்தன் யார்?
10. புதினம் - விளக்கம் தருக.

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒருபக்க அளவில் விடை தருக.

11. (அ) தலைவனின் பாசறை அமைப்பினை விளக்குக.

(அல்லது)

(ஆ) தலைமகன் தன் நெஞ்சிற்குக் கூறுவதாக அமைந்த பரணர் பாடற் கருத்துக்களை விளக்குக.

12. (அ) அகநானூற்றுப் பாலைநில வருணனையைச் சேந்தம் பூதனார் பாடல் வழி விளக்குக.

(அல்லது)

(ஆ) சோழன் குளமுற்றுத்துத் துஞ்சிய கிள்ளிவளவனின் சிறப்புகளாக மாறோக்கத்து நப்பசலையார் கூறுவனவற்றை எடுத்துரைக்க.

13. (அ) மலையமான் திருமுடிக்காரியின் வள்ளல் தன்மையைச் சுட்டுக.

(அல்லது)

(ஆ) புறநானூறு காட்டும் கையறு நிலைப் பாடலை நும் பாடப்பகுதி கொண்டு விளக்குக.

14. (அ) அறிவுடைமை குறித்துத் திருவள்ளுவர் கூறுவன யாவை?

(அல்லது)

(ஆ) நான்மணிக்கடிகை சுட்டும் வாழ்க்கை நெறிகளை எழுதுக.

15. (அ) இராசராச சோழன் நாடகத்தில் இடம்பெறும் நாடக உத்திகளை விளக்கி வரைக.

(அல்லது)

(ஆ) சுவடுகள் நாவலில் பார்வதியின் பாத்திரப் படைப்பை ஆராய்க.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. மூல்லைபாட்டு வெளிப்படுத்தும் தலைவியின் கற்புநிலை மேன்மையைக் கட்டுரையாக்கம் செய்க.
17. நற்றிணை வெளிப்படுத்தும் இயற்கை வருணனைகளைத் தொகுத்துரைக்க.
18. திருக்குறள் வெளிப்படுத்தும் அறக்கோட்பாடுகளை நும் பாடப்பகுதி கொண்டு விளக்கி வரைக.
19. இராசராசசோழன் நாடகத்தின் கதைக் கோப்புச் சிறப்பைக் கட்டுரை வடிவில் எழுதுக.
20. சுவடுகள் நாவலில் பாத்திரப்படைப்பு உருவாக்கத்தினை ஆராய்ந்து கட்டுரை எழுதுக.

D-1795

Sub. Code

31B

DISTANCE EDUCATION

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

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 questions.

1. Define Interpersonal Relationship.
2. Define Attitude.
3. What is meant by 'Counselling'?
4. What is Dais Etiquette?
5. Write briefly on self esteem.
6. Give the meaning of 'Leadership'.
7. What is called as positive attitude?
8. Write briefly on goal setting.
9. Give the meaning of 'Anger'.
10. What is 'Stress'?

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a note on Interpersonal Behaviour.

Or

- (b) Write on the significance of thinking ahead.

12. (a) Discuss the effects of 'Conflicts'.

Or

- (b) Comment on the different terms of 'Counselling'.

13. (a) Bring out the etiquettes in using mobile phones.

Or

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

14. (a) Discuss the advantages of Negotiations.

Or

- (b) Discuss the importance of Goal Setting.

15. (a) Discuss the canons of good human relations.

Or

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

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss in details the merits of good habits.
 17. Explain the characteristics and importance of 'Change'.
 18. Discuss the significance of Self-esteem.
 19. Explain the factors that influence personality.
 20. Write elaborately on the Management of conflicts.
-

D-1796

Sub. Code

32/13732

DISTANCE EDUCATION

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

Third Semester

PART II — ENGLISH — PAPER III

(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. Who is Ratan? [in 'The Postmaster']
2. Where is the story, 'The Postmaster' set?
3. How did Verger lose his job?
4. Why is Mathilde envious of Madame Forestier?
5. What is the setting of the play, 'The Proposal'?
6. Why does Philip refuse to join the jam business in Uncle James' dream?
7. Why was Pierre pinched? How did he defend himself before judge Gaston?
8. Why could Swami not keep a light burning?

9. Fill in the blanks with the Abstract Nouns formed from the words given in brackets.
- (a) We all love ————— (honest)
- (b) The element has great ————— (strong)

10. What is an Adjective?

SECTION B — (5 × 5 = 25 marks)

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

11. (a) How does Guy de Maupassant treat the danger of martyrdom in 'The Diamond Necklace'?

Or

- (b) What was Albert Foreman's reply to the questions of the bank manager? What does his answer reflect?

12. (a) How do Lomov and Natalya argue over the ownership of Oxen Meadows?

Or

- (b) How does the play, 'The Boy Comes Home' analyse the problems of the generation gap?

13. (a) Why do the vagabonds go back to the bakery after eating the pie in 'The Pie and the Tart'?

Or

- (b) Describe the rapport between Ratan and the Postmaster.

14. (a) How has Swami become a hero?

Or

- (b) Analyse the play, 'The Silver Idol'.

15. (a) Pick out the Adjectives in the following sentences and state their kind :
- (i) I know a funny little man.
 - (ii) He is a man of few words.
 - (iii) I have told you this many times before.
 - (iv) How many marks did you got?
 - (v) An empty vessel makes much noise.

Or

- (b) Choose the right verbs from brackets to complete each sentence :
- (i) The thieves (robbed, stole, won) all property from the house.
 - (ii) Columbs (discovered, invented, explored) America.
 - (iii) The moon (raised, rose, awoke) early.
 - (iv) Cocks (sing, caw, crow) in the morning.
 - (v) They (hanged, hung, swung) the pictured on the wall.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe how Albert Foreman prospered in his business as a tobacconist and newsagent.
17. What are the similarities and differences between Jean and Pierre? Explain.

18. Sketch the character of Lomov in 'The Proposal'.
19. Describe the place where you have gone recently on picnic.
20. Fill in the blanks with Adverbs chosen from the list given :

Angrily, badly, brutally, silently, seldom, patiently, loudly, soon, tunefully, noisily

- (a) The child has been _____ treated.
- (b) The choir sang _____.
- (c) The burglar crept _____.
- (d) The minister listened _____ to the complaints of the villagers.
- (e) The children played _____ in the house.
- (f) She _____ comes here now,
- (g) I hope you will _____ be well.
- (h) I was ready when John called _____ for me to come.
- (i) He did _____ in the examination.
- (j) The bull charged _____.

D-1909

Sub. Code
13033/13233

DISTANCE EDUCATION

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

Third Semester

DATA STRUCTURES AND ALGORITHMS

(CBCS 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is an array?
2. Define space complexity.
3. Mention the applications of queue.
4. List out the application of stack.
5. What is mean by degree?
6. What is leaf node?
7. Comment on balanced search tree.
8. What is the role of searching in data structure?
9. State the advantages of quick son.
10. Define tree sort.

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a note on primitive data types.

Or

- (b) Explain about two dimensional array representations.

12. (a) What are the operations can be performed on stack? Explain.

Or

- (b) Write a note on double linked list.

13. (a) Discuss about insertion and deletion operations in binary tree.

Or

- (b) Elaborate note on binary search tree.

14. (a) Explain the linear search tree with an example.

Or

- (b) List out the importance of searching.

15. (a) Explain bubble sort with example.

Or

- (b) Illustrate the concept of radix sort.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Describe the various types of data structures.
 17. Explain the necessity of infix to postfix conversion with suitable example.
 18. Discuss about various types of binary trees.
 19. Illustrate the insertion and deletion operations on binary search tree.
 20. Explain selection sort with example.
-

D-1797

Sub. Code

41A/13741

DISTANCE EDUCATION

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

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 விடையளிக்கவும்.

1. வெண்பாவில் பயின்று வரும் தளைகள் யாவை?
2. கண்ணி வகைப் பாடல்கள் எவ்வாறு அமைந்திருக்கும்?
3. அறத்தொடு நின்றல் என்றால் என்ன?
4. அன்பின் ஐந்திணைகளைக் குறிப்பிடுக.
5. அணி இலக்கணம் பேசும் நூலினைக் குறிப்பிடுக.
6. சிலேடை அணி எத்தனை வகைப்படும்? அவை யாவை?
7. தொல்காப்பியத்திற்குப் பாயிரம் எழுதியவர் யார்?
8. பத்துப்பாட்டு நூல்களைக் குறிப்பிடுக.
9. பாண்டியன் பரிசு நூலின் கதைத் தலைவி யார்?
10. இயேசு காவியம் எத்தனை பாகங்களைக் கொண்டது?

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) ஆசிரியப்பாவின் பொது இலக்கணம் கூறி அதன் வகைகளைச் சுட்டுக.

(அல்லது)

- (ஆ) சிந்துப் பாடலின் இலக்கணம் கூறி அதன் வகைகளை விளக்குக.

12. (அ) ஐந்திணைகளின் கருப்பொருள் குறித்து எழுதுக.

(அல்லது)

- (ஆ) அறத்தொடு நின்றல் நிலையில் தோழியின் பங்கு பற்றி எழுதுக.

13. (அ) உருவக அணியினைச் சான்றுடன் விளக்குக.

(அல்லது)

- (ஆ) நிறுத்தற் குறியினைப் பயன்படுத்தும் முறைகள் பற்றி எழுதுக.

14. (அ) வீரயுகப் பாடல்கள் குறித்து எழுதுக.

(அல்லது)

- (ஆ) குறுந்தொகைப் பாடல்களின் காதற்சிறப்பினை விளக்குக.

15. (அ) பாஞ்சாலி சபதத்தின் தனித்தன்மையை விளக்குக.

(அல்லது)

- (ஆ) பாண்டியன் பரிசு காவியத்தில் வரும் சமூகச் சிந்தனைகளை நிரல்படுத்துக.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. கலிப்பாவின் பொது இலக்கணம் கூறி வகைகளை விரிவாக எழுதுக.
17. புதுக்கவிதையின் வளர்ச்சிக்குக் குறியீடு எவ்வாறு துணை நிற்கிறது?
18. புறப்பொருள் துறைகளில் கையறுநிலை பெறும் இடத்தினை ஆராய்க.
19. இரட்டைக் காப்பியங்களில் காணலாகும் அறச்சிந்தனைகளை நிரல்படுத்துக.
20. இயேசு காவியத்தின் வழி இறைவனின் அருட்செயலை விளக்குக.

D-1798

Sub. Code

41B

DISTANCE EDUCATION

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

Fourth Semester

Part I — HUMAN SKILLS DEVELOPMENT – II

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is called communication?
2. What is the goal of a presentation?
3. Will the thinking skill support one to achieve one's target?
4. Write any two styles that have been followed by leaders.
5. What are Hard Skills?
6. Write any two forms of Technical Communication.
7. Write any one features of group discussion.
8. Define Motivation.
9. Give any two characteristics that are attributed to a good leader.
10. Suggest anyone way to arrest stress.

SECTION B — (5 × 5 = 25 marks)

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

11. (a) Describe effective communication.

Or

- (b) How do you plan for good presentation of a speech?

12. (a) Write a note on Paternalistic style of leadership.

Or

- (b) Discuss the need for leadership skill.

13. (a) Give the necessity for having Conceptual Skills.

Or

- (b) Discuss the need for Managerial Skills.

14. (a) Discuss some of the procedures to apply Technical Skills.

Or

- (b) Bring out some of the causes for Multi-tasking.

15. (a) Give some time management tips to increase the productivity.

Or

- (b) Discuss some types of stress normally we meet.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the techniques of counselling.
17. What are the eight easy steps for an effective speech?

18. Does personality development skill play an important role in bringing out one's career achievement?
 19. Explain in detail the requirements of understanding skills at societal level.
 20. Explain the importance of Organisation Skills.
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D-1799

Sub. Code

42/13742

DISTANCE EDUCATION

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

Fourth Semester

PART II — ENGLISH – PAPER IV

**(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. Who is the author of 'Boy who wanted more Cheese'?
2. Who was Lalajee?
3. Write the confusion with which the boy was worrying in 'A Day's Wait'.
4. What have Pickering and Higgins written respectively?
5. Why did Swamy run away from home?
6. After his father threatens to disinherit him if he marries Perdita, what did Florizel do?
7. How does Shylock initially describe his demand for a pound of flesh to Bassanio and Antonio?
8. Why is Romeo exiled?

9. Add Tag Questions :
- (a) None of us knew the answer, _____
 - (b) Use your eyes, _____.
10. Correct the following sentences :
- (a) There is atleast fifty persons waiting outside.
 - (b) Either my sister or my brothers is coming.

SECTION B — (5 × 5 = 25 marks)

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

11. (a) Analyse the story 'A Day's Wait'.
- Or
- (b) Write a short summary of 'Boy who wanted more Cheese'.
12. (a) Write the advice given by Jim Corbett to Lalajee after Lalajee has recovered.

Or

- (b) How did the father clear the confusion of his son in 'A Day's Wait'?
13. (a) It has been said that *Pygmalion* is not a play about turning a flower girl into a duchess, but one about turning a woman into a human being. Do you agree?

Or

- (b) How does the structure of the narrative inform the sense of time in Swami's world in *Swamy and Friends*?

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

Or

- (b) Discuss the resurrection scene in *The Winter's Tale*. Is the apparent miracle real?

15. (a) Discuss the impact caused by Martin Luther King's assassination.

Or

- (b) Expand the proverb – 'All that glitters is not Gold'.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. What is the message conveyed through the story, 'Little Girls wiser than Man'?
17. Describe the primary ways in which Eliza Doolittle changes in the course of the play, *Pygmalion*.
18. How does Shakespeare treat death in *Romeo and Juliet*?
19. Discuss Portia's character. How is she compared to the men around her? Is Bassanio a worthy husband too her?
20. Give the details on the Do's and Don'ts of Group Discussion.

D-1910

Sub. Code

13043/13243

DISTANCE EDUCATION

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

Fourth Semester

JAVA PROGRAMMING

(CBCS 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. List out the java features.
2. Define Identifier.
3. What do you mean by expression?
4. Write the syntax of the ternary operator.
5. Write down the steps to create an object.
6. How the java supports multiple inheritances?
7. List out the API packages.
8. Define synchronization.
9. What do you mean by Applet?
10. Write down the syntax of adding applet to html file.

PART B — (5 × 5 = 25 marks)

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

11. (a) Write short note on WWW.

Or

- (b) Describe about type casting.

12. (a) Explain briefly relational operators.

Or

- (b) Discuss about switch statements with example.

13. (a) Illustrate the steps to be followed for accessing members.

Or

- (b) Write short note on extending interfaces.

14. (a) Explain about naming conversions.

Or

- (b) Describe the concepts of finally statement.

15. (a) Explain concisely to prepare applet writing.

Or

- (b) Write a program for circle and ellipse.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain in detail about data types.
17. Explain the following: (a) if..else (b) nested if (c) else if (d) while.

18. Narrate about method overloading.
 19. Describe the mechanisms to create a thread and extending thread class.
 20. Discuss about applet life cycle.
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D-1911

Sub. Code

13051/13251

DISTANCE EDUCATION

**B.Sc. (CS)/B.Sc. (CS) (Lateral Entry) DEGREE
EXAMINATION, DECEMBER 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. List out the major goals of the operating system.
2. Define OS and mention its functions.
3. What is a resource-allocation graph?
4. What are the conditions under which a deadlock situation may arise?
5. What is the use of cooperating processes?
6. Define race condition.
7. What is the use of Valid-Invalid Bits in Paging?
8. Define Effective Access Time.
9. List the various File Attributes.
10. Define UFD and MFD.

PART B — (5 × 5 = 25 marks)

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

11. (a) Define inter process communication and explain its types with neat diagram.

Or

- (b) Write short notes on process management with example.

12. (a) Describe about the concurrency with example.

Or

- (b) Briefly discuss about the semaphore with suitable syntax.

13. (a) Write about the critical regions and monitors.

Or

- (b) Explain the two solutions of recovery from deadlock.

14. (a) Give the basic concepts about paging.

Or

- (b) What is thrashing and explain the methods to avoid thrashing?

15. (a) Write about the file attributes, operations, types and structure.

Or

- (b) Explain about disk scheduling and any of its two algorithms with suitable example.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the various memory hierarchies with neat block diagram.
 17. Describe in detail about the mutual exclusion software and hardware solutions to the problem.
 18. Consider the following page reference string, 7, 0, 1, 2, 0, 3, 0, 4, 2, 3, 0, 3, 2, 1, 2, 0, 1, 7, 0, 1. How many page faults would occur for the following replacement algorithms, assuming three frames that all frames are initially empty?
 19. Explain how paging supports virtual memory, how logical address is translated into physical address.
 20. Discuss in detail about file allocation methods. What are the possible structures for directory?
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D-1912

Sub. Code

13052/13252

DISTANCE EDUCATION

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

Fifth Semester

RELATIONAL DATABASE MANAGEMENT SYSTEMS

(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. What is data abstraction?
3. What is the role of primary key?
4. What is relational schema?
5. Comment on union.
6. What is join dependencies?
7. Define the term transaction.
8. What is deadlock?
9. What is file organization?
10. How is data organized in tree based index?

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain data model.

Or

(b) Write short note on structure of relational databases.

12. (a) Explain enforcing integrity constraints.

Or

(b) How do view support logical data independence? Explain.

13. (a) Write note on Nested queries.

Or

(b) Briefly explain triggers and active databases.

14. (a) Write short note on transaction isolation levels.

Or

(b) Write short note on Buffer management.

15. (a) Briefly explain hash based indexing.

Or

(b) Write note on Heap files.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain E-R model in detail with example.
 17. Briefly explain tuple relational calculus with example.
 18. Describe the Fourth Normal Form.
 19. Illustrate about lock based protocols.
 20. Write about Indexed Sequential Access Method (ISAM).
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D-1913

Sub. Code

13053/13253

DISTANCE EDUCATION

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

Fifth Semester

COMPUTER ARCHITECTURE

(CBCS 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define the term Computer Architecture.
2. What do you mean by Addressing Modes?
3. What do you mean by pipelining?
4. List out the types of pipeline hazards in computer architecture.
5. Give the advantages of VLIW.
6. State the compiler types.
7. What is byte addressable memory?
8. What is the use of cache memory?
9. Define Multiprocessor.
10. What do mean by Multithreading?

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the quantitative principle of computer design.

Or

- (b) Describe the various types of addressing modes.

12. (a) Write a note on Pipelining and Hazards.

Or

- (b) Give a brief note on IP6 Micro Architecture.

13. (a) Discuss static branch prediction with example.

Or

- (b) Illustrate the issues of VLIW architecture.

14. (a) Give a brief note on Memory Technology.

Or

- (b) Draw and explain the memory hierarchy.

15. (a) Write a note on Synchronization.

Or

- (b) Examine the concept of Multithread.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Classify the various instructions sets in computer architecture.
 17. Discuss the concepts of Instruction Level Parallelism.
 18. Describe the mechanism of IA 64 and Itanium Processor.
 19. Explain RAID structure and its different configuration levels.
 20. Illustrate the different memory consistency models.
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D-1914

Sub. Code

13061/13261

DISTANCE EDUCATION

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

Sixth Semester

COMPUTER NETWORKS

(CBCS 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define Networks.
2. What is called Protocols?
3. Comment on forward error correction.
4. What is Hamming distance?
5. Define selective repeat.
6. Define routing
7. What is mean by unicast?
8. Mention the role of checksum.
9. What is mean by symmetric key?
10. What are transposition techniques?

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the types of Transmission modes.

Or

- (b) List out the topologies used in networks and explain it.

12. (a) Briefly explain types of error with example.

Or

- (b) Describe about error detection and error correction.

13. (a) Write short note on circuit switching techniques.

Or

- (b) Explain the concept of datagram.

14. (a) Describe about File Transfer Protocol.

Or

- (b) Write short note on HTTP.

15. (a) Briefly explain about Cryptography.

Or

- (b) Explain the working principles of DES (Data Encryption Standard).

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the OSI reference model with neat diagram.

17. Differentiate between Go-Back-N ARQ and Stop and wait ARQ.

18. Explain Distance vector routing in detail.
 19. Explain about UDP (User datagram Protocol).
 20. Discuss about RSA cryptography.
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D-1915

Sub. Code

13062/13262

DISTANCE EDUCATION

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

Sixth Semester

VISUAL BASIC PROGRAMMING

(CBCS 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Visual Basic.
2. What do you mean by IDE?
3. Define literals.
4. Compare list box and combo box.
5. Comment on global procedure.
6. What is mean by control array?
7. Define MDI.
8. What are menus?
9. Write a note on DAO.
10. What do you mean by ADO?

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a short note on working with forms.

Or

- (b) Explain the controls in Visual Basic.

12. (a) Illustrate the syntax and flow diagram of entry loop with example program.

Or

- (b) Demonstrate the option button and check box.

13. (a) Explain any five string function available in VB.

Or

- (b) Write a note on Arrays and its types.

14. (a) Describe dialog box with example.

Or

- (b) Write a note on MDI Form.

15. (a) Explain the different types of record set available in ADO.

Or

- (b) Describe the concept of OLE DB.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the basic properties of window.
 17. Discuss the various branching statements in VB.
 18. Give a brief note on date and time functions in VB.
 19. Explain the steps involved in menu creation.
 20. Describe the steps involved in connecting to database using ActiveX Data Object.
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D-1916

Sub. Code

13063/13263

DISTANCE EDUCATION

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

Sixth Semester

SOFTWARE ENGINEERING

(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 characteristics of the software?
2. List out the fundamental activities of a software process.
3. What do you mean by data modeling?
4. What are the elements of analysis model?
5. Define design process.
6. Draw the diagram of user interface design.
7. Difference between black box and white box testing.
8. List out the metrics for process.
9. How do you identify a risk?
10. Define risk mitigation.

PART B — (5 × 5 = 25 marks)

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

11. (a) Write short notes on:
- (i) Software Engineering layers.
 - (ii) Five activities of process framework.

Or

- (b) Explain spiral model with neat diagram.

12. (a) Briefly illustrate on requirements engineering task.

Or

- (b) Discuss the elements of the analysis model.

13. (a) Describe software quality guidelines and attributes.

Or

- (b) Briefly explain the architectural styles.

14. (a) Discuss shortly testing strategy.

Or

- (b) Describe the measurement principles.

15. (a) Explain briefly risk projection.

Or

- (b) Discuss about Garvin's Quality Dimensions.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the following:
 - (a) The waterfall model
 - (b) The incremental process model
 17. Discuss in detail about flow oriented modeling.
 18. Explain in detail about user interface analysis and design.
 19. Describe about metrics for software quality and software process.
 20. Illustrate the concept of ISO 9000 quality standards.
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