

D-4072

Sub. Code

**11A/13711/
0111/0311A**

DISTANCE EDUCATION

Common for B.A./B.Sc./B.B.A./B.B.A. (Banking)/B.C.A./M.B.A
(5 Years Integrated) DEGREE EXAMINATION, MAY 2024.

First Semester

Part I : TAMIL Paper – I

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

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க.

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

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

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

(அல்லது)

- (ஆ) பட்டுக்கோட்டை கல்யாணசுந்தரத்தின் இலக்கியப் பணிகளைச் சுட்டியுரைக்க.

12. (அ) கண்ணனின் விளையாட்டுகளைப் பாரதியார் எங்ஙனம் பாடுகிறார்?

(அல்லது)

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

13. (அ) வல்லிக்கண்ணனின் வாழ்க்கைக் குறிப்பைச் சுருக்கி வரைக.

(அல்லது)

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

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

(அல்லது)

- (ஆ) தலைவி கண்ணுக்கு மை எழுதாமெக்கான காரணங்களை எழுதுக.

15. (அ) வழக்குரை காதையின் செய்திகளைத் தொகுத்துரைக்க.

(அல்லது)

- (ஆ) இயேசு அனுபவித்த துன்பங்களைச் சூசை கூறுமாற்றை விளக்குக.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

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

D-4073

Sub. Code

11B/0311B

DISTANCE EDUCATION

Common for B.A./B.Sc./B.B.A./B.B.A (Banking)/B.C.A./
M.B.A.(5 Year Integrated) DEGREE EXAMINATION,
MAY 2024.

First Semester

Part I — COMMUNICATION SKILLS – I

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

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

PART B — (5 × 5 = 25 marks)

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

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

Or

- (b) Discuss various forms of oral communication.

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

Or

- (b) Rewrite as directed :

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

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

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

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

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

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

Or

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

14. (a) Explain different types of Reports.

Or

- (b) Discuss the importance of group discussion.

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

Or

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

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

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

D-4074

Sub. Code

**12/13712/
0112/0312**

DISTANCE EDUCATION

**COMMON FOR B.A./B.Sc./B.B.A./B.B.A. (Banking)/
B.C.A./M.B.A. (5 Year Integrated) DEGREE EXAMINATION,
MAY 2024.**

First Semester

Part II — ENGLISH PAPER – I

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

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

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

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

SECTION B — (5 × 5 = 25 marks)

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

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

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

Or

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

Or

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

Or

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

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

Or

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

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

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

D-4191

Sub. Code

13013

DISTANCE EDUCATION

B.Sc. (Computer Science) DEGREE EXAMINATION,
MAY 2024.

First Semester

PROGRAMMING IN C

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is arithmetic expression?
2. Comment on C tokens.
3. Define – If statement.
4. What is meant by reading character?
5. Define function calls.
6. What is mean by recursion?
7. List out the basics of points.
8. How to declare a pointer in C?
9. Define error handling method in C.
10. How to defining files in C?

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the importance of C programming.

Or

- (b) Describe about evaluation of expression.

12. (a) How to reading and writing strings in C? Explain in detail.

Or

- (b) Write a note on decision making and branching Statements in C.

13. (a) Briefly explain about declaration of function in C.

Or

- (b) Explain about Unions in C.

14. (a) Discuss about address of function.

Or

- (b) Write a note on address of variables.

15. (a) Give a short note on opening and closing files.

Or

- (b) Explain about error handling i/o operation.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss the Basic structure of C program.
 17. Briefly explain about arrays in C with example program.
 18. Explain about User defined functions in C.
 19. Discuss about pointer in C with example program.
 20. Illustrate on file concepts in C.
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D-4075

Sub. Code

21 A/0321 A

DISTANCE EDUCATION

Common for B.A./B.Sc./B.B.A/B.B.A. (Banking)/B.C.A/M.B.A
(5 Year Integrated) DEGREE EXAMINATION, MAY 2024.

Second Semester

Part I — TAMIL – Paper — II

(CBCS 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க.

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

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

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

(அல்லது)

(ஆ) வீரமாமுனிவர் வெளிப்படுத்தியுள்ள தமிழ்மரபுகளை எடுத்துரைக்க.

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

(அல்லது)

(ஆ) தாடகை வதையால் இராமன் பெற்ற பயன்களைச் சுட்டியுரைக்க.

13. (அ) சார்பெழுத்துக்களைச் சான்றுகளுடன் விளக்கி வரைக.

(அல்லது)

(ஆ) அன்மொழித் தொகையின் இலக்கணத்தை விளக்கி வரைக.

14. (அ) புதுக்கவிதையின் வளர்ச்சி வரலாற்றைச் சுருக்கி எழுதுக.

(அல்லது)

(ஆ) கவிஞர் கண்ணதாசனின் கவித்திறத்தை விளக்கி வரைக.

15. (அ) ஞானசம்பந்தரின் பக்தித்திறத்தைப் பாராட்டியுரைக்க.

(அல்லது)

(ஆ) தமிழ் வானொலிகளின் சமூகப் பணிகளைப் புலப்படுத்துக.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

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

D-4076

Sub. Code

21B/0321B

DISTANCE EDUCATION

Common for B.A./B.Sc./B.B.A./B.B.A (Banking)/B.C.A./M.B.A.
(5 Year Integrated) DEGREE EXAMINATION, MAY 2024.

Second Semester

Part I — COMMUNICATION SKILLS – II

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

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

PART B — (5 × 5 = 25 marks)

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

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

Or

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

12. (a) Describe back vowels.

Or

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

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

Or

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

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

Or

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

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

Or

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

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

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

Sub. Code

**22/13722/
0122/0322**

DISTANCE EDUCATION

Common for B.A./B.Sc./B.B.A./B.B.A. (Banking)/B.C.A./M.B.A.
(5 Years Integrated) DEGREE EXAMINATION, MAY 2024.

Second Semester

Part II — ENGLISH PAPER – II

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

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

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

PART B — (5 × 5 = 25 marks)

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

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

Or

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

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

Or

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

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

Or

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

14. (a) Sketch the character of Shylock.

Or

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

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

Or

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

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

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

D-4192

Sub. Code

13023

DISTANCE EDUCATION

B.Sc. (Computer Science) DEGREE EXAMINATION,
MAY 2024.

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 is Data Abstraction?
2. Define hierarchy.
3. Comment on class objects.
4. Define Constructors in C++.
5. What is meant by abstract classes?
6. Define hybrid inheritance.
7. How to closing files?
8. Write a short note on random access file.
9. Define Class Template.
10. What is exception in class templates?

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the evolution of object-oriented language and paradigm.

Or

- (b) Describe about custom / user – defined manipulators.

12. (a) Write about private member functions.

Or

- (b) Difference between copy constructor and dynamic constructor.

13. (a) Briefly explain about multiple and multilevel inheritance.

Or

- (b) Differentiate virtual functions and pure virtual functions.

14. (a) Discuss about operator overloading in C++.

Or

- (b) Write about hierarchy of file stream classes.

15. (a) Give a short note on Exceptions in constructors and destructors.

Or

- (b) Explain Basics of exception handling method.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss in detail about OOPS Concepts.
 17. Briefly explain about functions and its types in C++ with example program.
 18. Explain about Inheritance and its types.
 19. Write a C++ Program to implement Stream Classes.
 20. Discuss about exception handling and throwing mechanism.
-

D-4078

Sub. Code

31A/13731

DISTANCE EDUCATION

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

Third Semester

Part I : TAMIL — Paper III

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

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க.

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

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) ஐங்குறுநூற்றைப் பாடியோர் வரலாற்றை எழுதுக.

(அல்லது)

(ஆ) கபிலரின் கவித்திறத்தைச் சான்றுகள் தந்து விளக்குக.

12. (அ) மஞ்சைப் பத்துப் பேசும் செய்திகளை விவரிக்க.

(அல்லது)

(ஆ) தலைவன் தன் நெஞ்சிற்குரைத்த குறுந்தொகைப் பாடல்களைச் சுட்டுக.

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

(அல்லது)

(ஆ) கிள்ளி வளவனை நப்பசலை எங்ஙனம் புகழ்ந்துரைக்கிறார்?

14. (அ) தூக்கமின்மை குறித்து நான்மணிக்கடிகை பேசுமாற்றை எழுதுக.

(அல்லது)

(ஆ) விமலாதித்தன் பாத்திரத்தின் முக்கியத்துவத்தைப் புலப்படுத்துக.

15. (அ) நாவலில் கதைப்பின்னல் அமையுமாற்றை விளக்குக.

(அல்லது)

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

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

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

D-4079

Sub. Code

31B

DISTANCE EDUCATION

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

Third Semester

Part I — HUMAN SKILLS DEVELOPMENT – I

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

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

PART B — (5 × 5 = 25 marks)

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

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

Or

- (b) Define the power of advanced thinking.

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

Or

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

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

Or

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

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

Or

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

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

Or

- (b) Is counseling necessary against stress complaint?

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

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

D-4080

Sub. Code

132/13732

DISTANCE EDUCATION

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

Third Semester

Part II — ENGLISH PAPER – III

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

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

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

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

PART B — (5 × 5 = 25 marks)

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

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

Or

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

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

Or

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

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

Or

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

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

Or

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

15. (a) Write short notes on adverb.

Or

(b) Describe your happy memory.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

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

17. The Verger is a great opportunist – Discuss.

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

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

20. Do as directed :

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

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

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

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

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

D-4193

Sub. Code

13033/13233

DISTANCE EDUCATION

B.Sc. (Computer Science)/ B.Sc.(CS)(Lateral Entry)DEGREE
EXAMINATION, MAY 2024.

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 questions.

1. How does one measure the efficiency of an Algorithm?
2. What is an array?
3. What is doubly linked list? Represent it with a diagram.
4. Represent the following infix expression $a + b * c - d$ into postfix notation
5. Define Height of tree?
6. What are the applications of binary tree?
7. Analyze the need for middle value in binary search
8. Define Searching
9. What is the time complexity of selection sort?
10. What is the principle behind quick sort

PART B — (5 × 5 = 25 marks)

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

11. (a) Illustrate the Classification of Data Structures.

Or

- (b) Analyze the need for computing the time and space complexity.

12. (a) Explain in detail about the Insert operation in a Queue.

Or

- (b) Describe in detail about the Circular Linked List.

13. (a) Define the following with an example:

- (i) Full Binary Tree
- (ii) Complete Binary Tree
- (iii) Skewed Binary Tree

Or

- (b) Write in detail about the In-order traversal in a binary tree.

14. (a) What are the advantages of binary search over sequential search?

Or

- (b) Illustrate with an example the Linear Search Technique.

15. (a) Explain and write the procedure for Selection sort.

Or

(b) Write in detail about Radix Sort.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain in detail the concept and the representation of an Array.

17. Describe with an example the doubly linked list technique.

18. Write the Recursive procedure to perform Post-order traversal of a binary tree

19. Illustrate with an example about the binary search technique in detail.

20. Write an algorithm to implement insertion sort with suitable example.

D-4081

Sub. Code

41A/13741

DISTANCE EDUCATION

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

Fourth Semester

Part I : TAMIL PAPER – IV

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

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்கவும்.

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

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

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

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களுள் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

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

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

Sub. Code

41B

DISTANCE EDUCATION

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

Fourth Semester

Part I – HUMAN SKILLS DEVELOPMENT – II

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

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

SECTION B — (5 × 5 = 25 marks)

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

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

Or

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

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

Or

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

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

Or

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

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

Or

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

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

Or

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

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

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

D-4083

Sub. Code

42/13742

DISTANCE EDUCATION

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

Fourth Semester

Part II — ENGLISH PAPER – IV

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

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

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

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

PART B — (5 × 5 = 25 marks)

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

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

15. (a) How does Toynbee glorify Nehru?

Or

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

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

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

17. Sketch the character of Swami.

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

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

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

D-4194

Sub. Code

13043/13243

DISTANCE EDUCATION

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

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. Define web browser.
2. List out some features of Java.
3. Write about the arithmetic operators.
4. What is meant by operator precedence and associativity?
5. Write a note on final classes.
6. How will you extend interfaces?
7. List out various system packages in Java.
8. Define thread.
9. Write about applet tag and its attributes.
10. List the importance of graphics class in Java.

PART B — (5 × 5 = 25 marks)

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

11. (a) Demonstrate the Java program structure with example.

Or

- (b) Explain how JVM works.

12. (a) Illustrate the conditional operator with Java program.

Or

- (b) Explain the IF ... Else and Nested IF ladder with examples.

13. (a) Illustrate on interface in Java.

Or

- (b) Elaborate the strings in Java with example.

14. (a) Outline the thread synchronization.

Or

- (b) Inspect how to manage errors and exception in Java.

15. (a) Elaborate the Applet Programming.

Or

- (b) Elaborate on adding applet to an html file with necessary example.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain various data types in Java and type casting with examples.
 17. Illustrate various looping statements in Java.
 18. List out various inheritance in Java and explain about interfaces with example.
 19. Explain Java thread life cycle.
 20. Illustrate methods for drawing line, rectangle, circle and ellipse.
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D-4195

Sub. Code

13051/13251

DISTANCE EDUCATION

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

Fifth Semester

OPERATING SYSTEMS

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Why we are calling operating system is a resource manager?
2. What is Process Control Block?
3. What do you mean by Mutual Exclusion?
4. What is semaphore?
5. Define Deadlock.
6. Name the four conditions necessary for the occurrence of a deadlock.
7. What is meant by Segmentation?
8. Define Page Fault.
9. What do you mean by Disk Scheduling?
10. Give any two advantages of round robin scheduling.

PART B — (5 × 5 = 25 marks)

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

11. (a) Discuss the architecture of operating system.

Or

- (b) Elucidate Inter-Process Communication.

12. (a) Explain the hardware solution to mutual exclusion critical section problem.

Or

- (b) Write a note concurrent programming with suitable example.

13. (a) Describe the Priority Scheduling Algorithm with an example.

Or

- (b) Differentiate deadlock and starvation.

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

Or

- (b) Explain the fixed partition multiprogramming with neat diagram.

15. (a) Discuss the FCFS disk scheduling algorithm.

Or

- (b) Describe the various file access control.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Identify the various states in Process Control Blocks.
 17. Describe software solution to the mutual exclusion problem.
 18. Explain three methods of Recovery from deadlock.
 19. Elaborate the Variable Partition Multiprogramming.
 20. Illustrate the different types of file allocation methods and draw a neat diagram.
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D-4196

Sub. Code

13052/13252

DISTANCE EDUCATION

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

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 questions.

1. Define DBMS.
2. What is instances and schema?
3. What is a foreign key constraint?
4. Define primary key constraint.
5. Mention the role of Intersect?
6. What is multi valued dependencies?
7. Comment on atomicity.
8. What is lock table?
9. What is search key for index?
10. How is data organized hash based index?

PART B — (5 × 5 = 25 marks)

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

11. (a) What is data abstraction? List out levels and explain it.

Or

- (b) Explain the role of database administrator.

12. (a) How to destroying tables and views? Explain.

Or

- (b) Explain database query with an example.

13. (a) What are the aggregate operators support in SQL? Explain.

Or

- (b) Explain about functional dependencies.

14. (a) Write short note on simple transaction model.

Or

- (b) Briefly explain about transaction ACID properties.

15. (a) Explain about tree base indexing.

Or

- (b) Write short note on sorted files.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain about E-R model with suitable example.
 17. Explain about domain relational calculus with example.
 18. Describe the 1NF, 2NF and 3NF.
 19. Explain about time stamp based protocol.
 20. Explain B+ Tree with example.
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D-4197

Sub. Code

13053/13253

DISTANCE EDUCATION

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

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. State Amdhal's Law.
2. What is displacement addressing mode?
3. Mention various types of dependencies.
4. State the possibilities of occurring imprecise exceptions.
5. What is Loop unrolling?
6. State the concept behind conditional instruction.
7. Define page fault.
8. State the properties of error.
9. Mention the various phases of OS workload.
10. What is Exponential back-off?

PART B — (5 × 5 = 25 marks)

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

11. (a) Give a short account on the various levels of programs.

Or

- (b) Explain with a diagram on the three popular choices for encoding the instruction set.
12. (a) Consider a loop branch whose behavior is taken nine times in a row, then not taken once. What is the prediction accuracy for this branch, assuming the prediction bit for this branch remains in the prediction buffer?

Or

- (b) List out the different levels of branch prediction scheme.
13. (a) Show our loop unrolled so that there are four copies of the loop body, assuming R1 is initially a multiple of 32, which means that the number of loop iterations is a multiple of 4. Eliminate any obviously redundant computations and do not reuse any of the registers.

Or

- (b) Consider the following code :

```
if (A == 0){S = T;}
```

Assuming that registers R1, R2 and R3 hold the values of A, S and T, respectively, show the code for this statement with the branch and with the conditional move.

14. (a) Where can a block be placed in a cache? Explain.

Or

(b) Explain in short on failure and clarify between faults, errors and failures.

15. (a) Write a note on Barnes Applications.

Or

(b) Briefly explain the State transition diagram for an individual cache block in a directory based system.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Give a detailed account on Operand locations for four instruction set architecture classes used in registers.

17. Explain about Dynamic Scheduling Using Tomasulo's Approach.

18. Consider a loop like this one :

```
for (i = 1; i <= 100; i = i + 1){  
  A[i] = A[i] + B[i]; /* S1 */  
  B[i + 1] = C[i] + D[i]; /* S2 */  
}
```

What are the dependences between S1 and S2? Is this loop parallel? If not, show how to make it parallel.

19. Explain in detail on how the physical connection of the I/O bus is done in CPU?

20. Implement the barrier using fetch-and-increment. Compare performance to the spin-lock barrier.

D-4198

Sub. Code

13061/13261

DISTANCE EDUCATION

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

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. Define Internet.
2. What is Topology?
3. What is Retransmission?
4. Comment on ALOHA.
5. What is Routing table?
6. What is called Broadcasting?
7. What is mean by Multiplexing?
8. What is mean by Segment?
9. What is mean by asymmetric key?
10. Write about substitution cipher.

PART B — (5 × 5 = 25 marks)

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

11. (a) What are the different types of networks? Explain in detail.

Or

- (b) What are the two types of line configuration? Explain.

12. (a) Write about Block Coding Techniques.

Or

- (b) Distinguish between error control and flow control.

13. (a) Discuss about packet switching techniques.

Or

- (b) Write a short note on virtual circuit networks.

14. (a) Briefly explain remote file access.

Or

- (b) What is SNMP? Briefly discuss the SNMP model components.

15. (a) Explain about principles of Cryptography.

Or

- (b) Describe about AES (Advanced Encryption Standard).

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain the different network topologies.
 17. Explain the concept of stop and wait protocols.
 18. Briefly explain Link state routing algorithms.
 19. What is the use of DNS? Explain how it works.
 20. Describe in detail about security services.
-

D-4199

Sub. Code

13062/13262

DISTANCE EDUCATION

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

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 is a project explorer?
2. State the use of code window.
3. How do you declare the variable in VB?
4. What is the use of text Box?
5. Define Startup Forms.
6. What is meant by Arrays?
7. Compare SDI and MDI.
8. Write down the features of MDI.
9. Mention the need of Commit command.
10. Define Query.

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a VB program to find the largest three numbers.

Or

- (b) Discuss the view code and immediate window.

12. (a) State the following looping statements with example.

(i) Do...loop

(ii) While...wend loop

Or

- (b) Discuss the following Input Box() and MsgBox().

13. (a) Explain the various types of procedures available in VB.

Or

- (b) Write a note on event handling.

14. (a) Explain the steps of creating a menu with a suitable example.

Or

- (b) How to creating a MDI Child Forms? Explain.

15. (a) Outline the properties of Database Object.

Or

- (b) List the any five properties of a Record Set Object.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss the various branching statements in VB.
 17. Illustrate the drive, directory and file list box.
 18. Explain numeric functions available in VB.
 19. Explain the steps involved in menu creation.
 20. Examine the concept of student database using forms.
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D-4200

Sub. Code

13063/13263

DISTANCE EDUCATION

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

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. What are the umbrella activities of a software process?
2. Define software engineering.
3. Identify goals of elicitation phase.
4. Explain the process of validating requirements.
5. What are the object oriented design concepts?
6. Why interface analysis is critical in UI development?
7. State the Debugging Strategies.
8. List out the outcome of unit testing.
9. Expand RMMM.
10. What do you mean by software reliability?

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain the following:

- (i) Spiral model
- (ii) RAD model.

Or

(b) List the principles of agile software development.

12. (a) What is requirements elicitation? Explain briefly.

Or

(b) Discuss the scenario based modeling.

13. (a) Illustrate shortly architectural design.

Or

(b) Discuss the concepts of interface design steps.

14. (a) Describe about test strategies for object oriented software.

Or

(b) Explain briefly about source code and metrics for testing.

15. (a) Explain the concept of reactive vs. proactive risk strategies.

Or

(b) Illustrate on software reviews.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss in detail about evolutionary process model.
 17. Explain the concept of validating requirements.
 18. Describe about design concepts and design model.
 19. Write short notes on:
 - (a) Integration testing.
 - (b) Validation testing.
 20. Illustrate the concept of statistical software quality assurance.
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