

D-5120

Sub. Code

11A

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 2022.

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. பாஞ்சாலியின் புகழைக் காக்க கிருஷ்ணன் கொடுத்தது யாது?
2. கோபாலனின் குழலைக் கேட்டப் பசுகள் என்ன செய்தன?
3. நெஞ்சில் குடியிருக்கும்... என்னும் பாடல் இடம்பெற்ற திரைப்படம் எது?
4. 'கண்ணன் என் விளையாட்டுப் பிள்ளை' எனப் பாடியவர்?
5. பிறைநிலவின் புன்னகையைக் கவிதையாகப் பாடிய கவிஞர்?
6. காதலி கண்ணில் மை தீட்டாமைக்கு அப்துல்ரகுமான் கூறும் காரணத்தை எழுதுக.
7. 'மூவேந்தர் காப்பியம்' எனப் பாராட்டப்படும் காப்பியம் எது?
8. மந்திரப் படலம் – விளக்கம் தருக.

9. 'சீறத்' என்பதன் பொருள் யாது?

10. வீரமாமுனிவர் இயற்றிய இரண்டு நூல்களைக் குறிப்பிடுக.

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

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) சூரிய நிறக் கண்ணனைக் கண்ணதாசன் எங்ஙனம் பாராட்டுகிறார்?

(அல்லது)

(ஆ) தொழிலின் சிறப்புகளைப் பட்டுக்கோட்டையார் எங்ஙனம் எடுத்துரைக்கிறார்?

12. (அ) பாரதியார் 'உலக வழக்கம்' எனக் குறிப்பிடுவது எதனை? விளக்குக.

(அல்லது)

(ஆ) 'சர்ப்ப யாகம்' கவிதையின் கருத்துக்களைச் சுருக்கி எழுதுக.

13. (அ) நோய்க்கு அறிகுறிகளாக நாமக்கல் கவிஞர் எவற்றைக் கூறுகிறார்?

(அல்லது)

(ஆ) மீராவின் கவிதைகள் தரும் கருத்துக்களை எழுதுக.

14. (அ) வாயில் காவலர்க்குத் தன்வரவினைக் கண்ணகி எங்ஙனம் உரைத்தாள்?

(அல்லது)

(ஆ) தசரதனின் அமைச்சர்கள் எங்ஙனம் மகிழ்ந்ததாகக் கம்பர் பாடுகிறார்?

15. (அ) கன்னித்தாயும் சூசையும் ஆயர்களை அழைக்கக் காரணம் யாது? விளக்குக.

(அல்லது)

(ஆ) வீரமாமுனிவரின் தமிழ்ப் பற்றைத் தேம்பாவணி வழி விவரிக்க.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில்
விடை தருக.

16. கண்ணன் செய்யும் குறும்புகளைப் பாரதியார் பாடுமாற்றை விவரிக்க.
 17. பாரதிதாசன் உலகிற்குக் காட்டும் வழியை நும் பாடப் பகுதியால் எடுத்துரைக்க.
 18. மோசிகீரனாரைக் கவிஞர் ஞானக்கூத்தன் சிறப்பிக்குமாற்றை விளக்குக.
 19. பாண்டிமாதேவி கண்ட கனவினால் விளைந்தவைகளை விளக்கி எழுதுக.
 20. ஈத்தங்குலை வரவழைத்த படலச் செய்திகளை எடுத்துரைக்க.
-

D-5121

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 2022.

First Semester

Part I – COMMUNICATION SKILLS – I

(CBCS – 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What are the elements involved in communication process?
2. Write any two importance of communication.
3. How does intonation help for developing the oral communication?
4. Write any two steps that is involved for preparing of speech.
5. What are the types of oral communication?
6. How do the words and phrases play a main role for effective written communication?
7. What are the main points to be kept in mind while writing the official letter?

8. What is considered as 'sentence formation'?
9. How will you prepare Curriculum Vitae effectively for a job?
10. Mention at least two differences between verbal communication and non-verbal communication.

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a short note on the principle of effective communication.

Or

- (b) How does non-verbal communication lead to develop verbal communication in human beings?

12. (a) Bring out the importance of gesture in oral communication.

Or

- (b) Is tone and intonation the same thing? Discuss.

13. (a) What are the eight steps of preparing a speech?

Or

- (b) What are the challenges encountered by a good speaker? How does he/she rectify it while speaking?

14. (a) State some expressions of non-verbal communication.

Or

- (b) Write an application for the post of Post Graduate English Teacher in a school.

15. (a) Write a report for 'Sports Day Celebration' at your college.

Or

- (b) What are behavioural – based interview questions?

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. What are the seven barriers of effective communication?
17. What are the important parts of speech preparation? Explain.
18. How do you demonstrate written communication skills?
19. Why does 'Outline Layout' play the key role for preparing a paragraph? State some reasons.
20. Differentiate topic-based group discussion with Case-study-based group discussion.
-

D-5122

Sub. Code

12

DISTANCE EDUCATION

(Common for : B.A./B.Sc./B.B.A./B.B.A.(Banking)/
B.C.A./M.B.A.(5 Yrs Integrated) DEGREE EXAMINATION,
MAY 2022.

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. Why does C.V. Raman calls water the elixir of life?
2. Why did Mrs. Packletide decide to hunt down a tiger?
3. How does a tiger become a man eater?
4. How does C.E.M. Joad define civilization?
5. What message is conveyed by J.B.S. Haldane in “Food”?
6. What are the blessings of our civilization?
7. What are the effective treatments for drug addiction?
8. State the reasons why our body requires food.
9. Lord Hardinge supported which movement?
10. How does the author, Carl Sagan, Concludes about human nature?

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) What is the irony in Mrs. Packletide's "Tiger"?

Or

- (b) How does Catharine M. Willson react to the cat?

12. (a) Why does A.G. Gardiner call letter – writing a lost art?

Or

- (b) What are the major defects of our civilization according to CEM Joad?

13. (a) Discuss the role played by Gandhi in South Africa.

Or

- (b) List out the drug-related health disorders.

14. (a) Rewrite as directed :

- (i) He said "I live in the city center" (Change to indirect)
- (ii) He said he was going out. (Change to direct)
- (iii) Anil said he had finished. (change to indirect)
- (iv) She said, "I arrived before you". (Change to indirect)
- (v) Helen said, "I am going to call Alan". (Change to indirect)

Or

(b) Fill in with articles :

- (i) _____ Nile is in Egypt, isn't it?
- (ii) Where are _____ boys?
- (iii) Do you want _____ orange?
- (iv) How far is _____ sun away from _____ earth?

15. (a) Write a precise of the given passage :

Earthquake is the deadly enemy of mankind. Earthquake strikes all without a distinction of nationality or political affiliation. The power of a quake is greater than that of any man-made weapon of destruction. An earthquake strikes mankind without a warning. A modern city when struck is reduced to a rubble. A quake strikes plains, seas and mountains causing all round destruction. The quake struck Lisbon in 1755 killing 450; Peru in 1970 killing 50,000 Alaska in 1968 moving it 80 feet into the Pacific ocean. Scientists are trying to find out means to combat earthquakes and they are able to predict atleast where the earth quake will hit so that precaution can be taken to save man and property from destruction. As the number of words in the rough draft is more than required we shall have to reduce it. Further without reducing the ideas.

Or

(b) Dialogue writing :

Sarita is being interviewed for the job of a teacher in a school. Write the dialogues between Sarita and the interviewer.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. What is the theme of the passage ‘Mrs. Pack Letide’s Tiger’?
 17. Illustrate the concept of “The Cat” by Catharine M. Willson.
 18. What is the theme of the essay “Our Civilization”?
 19. Explain how A.G. Gardiner goes on the show how good letter is written?
 20. Describe the bravery of Haria and Narwa.
-

D-5228

Sub. Code

13013

DISTANCE EDUCATION

B.Sc. DEGREE EXAMINATION, MAY 2022.

First Semester

Computer Science

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. What are identifiers? Give example.
2. How will you define symbolic constants?
3. Write the precedence of arithmetic operators.
4. How will you terminate a loop?
5. Illustrate declaring and initializing arrays.
6. How will you read and write character?
7. How will you access the member of structure?
8. List the operators for pointer.

9. What are the different modes of opening a file in C?
10. Define File. What are its types?

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) Tabulate the shift operators and give examples.

Or

- (b) Write a C program to read and write strings.

12. (a) Briefly explain about 'for' looping structure with suitable example.

Or

- (b) Write a C program to subtract two given matrices A and B of size (3×3).

13. (a) Define function. How will you declare and call user defined function? Give example.

Or

- (b) Write a C program to concatenate two given strings.

14. (a) Define is structure. Illustrate the use of structure within structure.

Or

- (b) How will you perform pointer increments? Explain. Give example.

15. (a) Write short note on : Random Access File.

Or

- (b) Write short note on : Macro substitution.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain about type conversion in expressions. Give example.
 17. Write a C program to illustrate array of structures.
 18. Explain about the Nested 'if' structure with suitable example.
 19. Write a C Program to reverse an array using pointers.
 20. Write a C program to open, write 'Distance Education' and close text file.
-

D-5123

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 Years Integrated) DEGREE EXAMINATION,
MAY 2022.**

Second Semester

PART I : TAMIL PAPER – II

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க.

1. தேம்பாவணி – குறிப்பு வரைக.
2. ‘வான வீதியில்’ சிறுகதையின் ஆசிரியர் பெயரைக் குறிப்பிடுக.
3. ‘பாசிநிலை’ – திணை விளக்கம் தருக.
4. அளபெடை என்றால் என்ன?
5. எண்ணளவை ஆகுபெயர் – விளக்கம் தருக.
6. “எங்கள் வாழ்வும் எங்கள் வளமும் மங்காத தமிழென்று சங்கே முழங்கு” என்றவர்?
7. தமிழில் வெளிவரும் ‘வார இதழ்கள்’ இரண்டினைக் குறிப்பிடுக.
8. சிம்பொனி இசையமைத்த தமிழர் யார்?
9. பண்பலை வானொலி என்றால் என்ன?
10. ‘தாண்டக வேந்தர்’ எனப் போற்றப்படும் சைவக் குரவர்?

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) சாந்தி கேட்ட வேத உரையை விளக்கி எழுதுக.

(அல்லது)

(ஆ) ஆயர்கள் குழந்தையைப் போற்றி வணங்கியதை விவரிக்க.

12. (அ) முதல் விமானப் பயணத்தின் அனுபவங்களை நீலபத்மநாபன் எங்ஙனம் விவரித்துள்ளார்?

(அல்லது)

(ஆ) இராமன் புரிந்த கன்னிப்போர் குறித்து இயம்புக.

13. (அ) முதல் எழுத்துக்களின் வகைகளை விளக்கி வரைக.

(அல்லது)

(ஆ) வினாக்கள் எத்தனை வகைப்படும்? அவற்றை விளக்கி வரைக.

14. (அ) புரட்சிக் கவிஞரின் தமிழ்ப்பற்றை நும் பாடப்பகுதியால் விளக்கி வரைக.

(அல்லது)

(ஆ) கவியரசு கண்ணதாசனின் திரைப்பாடல்கள் குறித்துக் கட்டுரைக்க.

15. (அ) திருநாவுக்கரசரின் பக்தித் திறத்தைப் பாராட்டியுரைக்க.

(அல்லது)

(ஆ) மக்கள் வாழ்வியலில் தொலைகாட்சிப் பெறும் முக்கியத்துவத்தை எடுத்துரைக்க.

பகுதி இ — ($3 \times 10 = 30$ மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. ஆயர்கள் குழந்தை ஏசுவைப் போற்றி மகிழ்ந்ததை விளக்கி வரைக.
17. போர்க்களச் செய்தித் தொடர்பைக் கம்பராமாயணம் எடுத்துரைக்குமாற்றை எழுதுக.
18. தமிழின் சொல்லமைப்புச் சிறப்புக்களை நும்பாடப்பகுதியால் விரிந்துரைக்க.
19. தமிழ்க் கவிதைகளும் திரையிசையும் – கட்டுரை வரைக.
20. சைவமும் தமிழும் குறித்துப் பெரியபுராணம் வழிக் கட்டுரைக்க.

D-5124

Sub. Code

21B

DISTANCE EDUCATION

Common for B.A./B.Sc./B.B.A./B.B.A. (Banking)/B.C.A./
M.B.A. (5 Years Integrated) DEGREE EXAMINATION,
MAY 2022.

Second Semester

Part I – COMMUNICATION SKILLS – II

(CBCS – 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Which stimuli is the best to induce communication skills among the students?
2. Which exercise gives positive responses to the communication skills?
3. Write any two guidelines for effective communication skills.
4. Mention any two uses of stress and tone for improving speaking skills.
5. Define phonetics.
6. What are the language skills that are significant for the students?
7. What is topic sentence in paragraph writing?

8. Write any two important qualities for creative writers.
9. Why do Newsletters play a major role in organization?
10. Why are interviewing skills important?

PART B — (5 × 5 = 25 marks)

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

11. (a) Does communication skill tasks act as stimuli and bring the desired responses among the students? Write down the various stimuli and responses of the students during the communication skills activity.

Or

- (b) How does code and content facilitate in improving the communication skills?
12. (a) Write a short note on :
 - (i) Tone
 - (ii) Stress
 - (iii) Intonation
 - (iv) Air-stream mechanism

Or

- (b) In what way does IPA help to improve the communication skills? Explain.
13. (a) How do you identify the silent letters in English? Write down the rules to be followed while pronouncing such words.

Or

- (b) What are the skills that get developed while involving in the language exercises like reading comprehension, dialogue writing, and proverb expansion writing.

14. (a) What are the types of listening? Explain.

Or

(b) Explain the role of sender, medium and receiver in a communication process.

15. (a) How do you write an effective business proposal in a letter to an organization? Explain.

Or

(b) What are the five stages of an interview?

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. How does mother tongue facilitate the learning of a second language? Discuss.

17. Why is phonetics important for second language learning? Give detailed analysis.

18. Detail the making of a presentation using Power Point Slides.

19. Write in detail about conversation skills and its mode.

20. What is the role of an editor and how do editors add value in the publishing process?

D-5125

Sub. Code

22

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 2022.

Second Semester

Part II – ENGLISH PAPER — II

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

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is the structure of a Shakespearean Sonnet?
2. What is the tone of “Lines composed upon west Minster Bridge”?
3. Define Dramatic monologue.
4. Who is the king mentioned in “Andrea del Sarto”?
5. What does Robert Frost mean by “Worn them really about the same”?
6. Why does the narrator call his friend a “Strange friend”?
7. What is the main theme of Gitanjali?

8. How does shylock describe his demand for a pound of flesh to Bassano and Antonio at first?
9. Which is sweeter than the sands at the full moon in the poem Coramandel Fishers?
10. Define Note-making.

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) Bring out the picture of London in “Lines composed upon west Minster Bridge”.

Or

- (b) Bring out the final Tone of the poem “Andrea del Sarto”.

12. (a) What is the theme of the poem “The Road not taken”?

Or

- (b) Briefly attempt a note on the relationship between the two speakers in “Strange meeting”.

13. (a) How does achieve humanization of the divine in his poetry?

Or

- (b) Who is the real hero of merchant of Venice?

14. (a) What are the problems faced by the fishermen?

Or

- (b) How does The Express offer a sharp contrast to the traditional nature poems?

15. (a) What are the steps in note-making?

Or

- (b) Bring out the purposes of a report.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions

16. “Beauty is truth, truth beauty – that’s all

Ye know on earth, and all ye need to know” – Discuss how Keats arrives at this conclusion in “Ode on a Grecian Urn”.

17. Discuss the dilemma faced by the poet in the poem, “The Road not taken”. What is the relevance of that dilemma in real life?

18. Elucidate Tagore’s use of imagery in ‘Gitanjali’ with appropriate examples.

19. Make notes of the following passage:

Reading skills have dominated the English Language learning situation in India. The main reason for this is that opens avenues of knowledge for all disciplines of study by giving access to books and journals. Proficiency in reading contributes to one’s intellectual development.

Apart from helping one gain academic excellence, reading introduces many to a world of thought and fancy. It widens their horizon and gives them an edge over others in social and professional settings. Another advantage of reading is that it exposes readers to good style and rich vocabulary, which have a positive impact on communicative competence. For an alert reader, it is a natural way of assimilating language use and usage.

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

Up to the time of the illness that took away my sight and hearing, I lived with my father and mother in a tiny house. It had one large square room and another smaller one in which the servant slept. The house was completely covered with roses and other climbing plants, the favourite home of birds and bees. The beginning of my life was simple and much the same as every other little life. I came, I saw, I conquered, as the first baby in the family always does. There was the usual amount of talk about a name for me. At last my mother's advice was accepted and I was called Helen. These happy days did not last long. One short spring, musical with the song of birds, one summer rich in fruit and roses, one autumn of red and gold passed by and left their gifts at the feet of an eager and delighted child. Then in the gloomy month of February 1882, came the illness which closed my eyes and ears and I sank into a state of unconsciousness. The doctor thought that I could not live, but early one morning I became conscious again. My family celebrated that morning, but no one, Not even the doctor, knew that I would never see or hear again. Then she came - my teacher, Ann Sullivan – and she set my spirit free.

- (a) Describe Helen Keller's house.
- (b) What is the meaning of 'I came, I saw, I conquered as the first baby in the family always does'?
- (c) How does Helen describe the seasons?
- (d) How was her sickness felt at home?
- (e) What were the consequences of her illness?

D-5229

Sub. Code

13023

DISTANCE EDUCATION

B.Sc. DEGREE EXAMINATION, MAY 2022.

Second Semester

Computer Science

OBJECT ORIENTED PROGRAMMING AND C++

(CBCS 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — ($10 \times 2 = 20$ marks)

Answer ALL the questions.

1. What is object and classes?
2. Define Inheritance.
3. What is Encapsulation?
4. What do you mean by polymorphism?
5. Explain Data Conversion.
6. What is constructor?
7. Define array of pointers to objects.
8. What are the uses of Inline Function?

9. How do you handle multiple Exception Handling?
10. What are the types of Exception Handling in C++?

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) Explain the Evolution of Object-Oriented Language.

Or

- (b) Detail about Object Oriented Programming Concepts.

12. (a) What are Inline Function? Why they are used? Explain with suitable examples.

Or

- (b) What are the different types of constructors? Explain it.

13. (a) Explain the different types of Inheritance with diagram.

Or

- (b) What is Friend function and why it is required in Operator overloading.

14. (a) Explain in detail about class template with suitable diagram.

Or

- (b) Illustrate the Input/output file with stream class.

15. (a) Write a detail in about Exception Handling Mechanism.

Or

- (b) Write down a detailed C++ program to demonstrate the use of fly, catch, throw and nested try.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Elaborate the concept of Object Oriented Paradigm.
17. Describe about class and objects with suitable examples.
18. Explain the Concept of Polymorphism and its types.
19. Discuss about generic Programming with templates.
20. When do we need multiple catch blocks for a single try block? Give an example.
-

D-5126

Sub. Code

31A

DISTANCE EDUCATION

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

Third Semester

Part I : TAMIL PAPER — III

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

Time : Three hours

Maximum : 75 marks

பகுதி அ — ($10 \times 2 = 20$ மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க.

1. முல்லைப்பாட்டு எத்தனை அடிகளால் ஆனது?
2. ஆற்றுப்படை நூல்களைப் பட்டியலிடுக.
3. பரணர் பாடியப் பாடல்களின் எண்ணிக்கையைத் தருக.
4. உடன்போக்கு – விளக்கம் தருக.
5. அகநானூற்று நூலின் எண் பகுப்பு முறையில் திணைகளை எழுதுக.
6. புறப்பாட்டு எனச் சிறப்பிக்கப்படும் சங்க இலக்கியத்தைக் கூறுக.
7. ‘உலகப் பொதுமறை’ எனப் போற்றப்படும் அற நூல் யாது?
8. நான்மணிக்கடிகை எந்நூல் கருத்துக்களை ஒத்திருக்கின்றது?
9. குந்தவையின் காதலன் பெயரைக் குறிப்பிடுக.
10. ‘சுவடுகள்’ நாவலின் தலைமை மாந்தர்களின் பெயர்களைச் சுட்டுக.

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) முல்லைப்பாட்டு விவரிக்கும் பாசறை அமைப்புக் குறித்த செய்திகளை எழுதுக.

(அல்லது)

(ஆ) சிவலிங்க ராஜா உரையின் தன்மைகளைத் தொகுத்துரைக்க.

12. (அ) தலைமகன் தன் நெஞ்சிற்குக் கூறுவதாக அமைந்த பாடல்களின் கருத்துக்களை எடுத்துரைக்க.

(அல்லது)

(ஆ) வரைவு நீட்டித்த வழித் தலைமகள் தோழிக்குச் சொல்லியது யாது? விவரிக்க.

13. (அ) வினைமுற்றி மீண்டுவந்த தலைவன் மழையை எங்ஙனம் வாழ்த்தினான்?

(அல்லது)

(ஆ) அகநானூற்றால் அறியவரும் வரலாற்றுச் செய்திகளை எழுதுக.

14. (அ) வள்ளுவர் உரைக்கும் அறிவுடையார் குறித்த செய்திகளை விவரிக்க.

(அல்லது)

(ஆ) யார் யாருக்குத் தூக்கம் வராது? நான்மணிக்கடிகை கூறுமாற்றை எழுதுக.

15. (அ) இராசராசசோழன் நாடகக் கதைக்கோப்பைச் சுருக்கி வரைக.

(அல்லது)

(ஆ) சுவடுகள் நாவலின் கதைமாந்தர் இயல்புகளை விரித்துரைக்க.

பகுதி இ — ($3 \times 10 = 30$ மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. பரணர் பாடல்கள் வழி அறியலாகும் வரலாற்றுச் செய்திகளைத் தொகுத்துரைக்க.
17. பருவம் கண்டு வருந்திய தலைவியின் புலம்பல்களைக் கட்டுரைக்க.
18. சோழன் குளமுற்றுத்துத் துஞ்சிய கிள்ளிவளவனை நப்பசலை புகழுமாற்றை விவரிக்க.
19. வாழ்க்கைத் துணை நலம் என்னும் அதிகாரத்தின் கருத்துக்களைத் தொகுத்துரைக்க.
20. இராசராசச்சோழன் நாடகப் பாத்திரப் படைப்புகள் குறித்து விரிந்துரைக்க.

D-5127

Sub. Code

31B

DISTANCE EDUCATION

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

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 are the merits of good habits?
2. What is meant by thinking ahead?
3. Write any two key factors for influencing personality.
4. Why self-concept is important?
5. Mention the types of goal setting skills.
6. Define negotiating skills.
7. Who is called as a leader?
8. What are the different types of counselling?
9. How can you develop human skill relations?
10. What are the causes for anger?

PART B — (5 × 5 = 25 marks)

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

11. (a) What are the features of interpersonal behaviour?

Or

- (b) Give some key ideas for developing personality.

12. (a) Write a note on etiquettes in using mobile.

Or

- (b) Write some dais etiquettes.

13. (a) What are the different types of decision making skills? Explain briefly.

Or

- (b) How can you create ways to develop positive attitudes among others?

14. (a) Why leader is necessary?

Or

- (b) When do we need counselling?

15. (a) Write a short note on management of conflicts.

Or

- (b) What are the consequences of stress and mention some ways to overcome?

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE of the following.

16. Explain habits, types of merits of good habits.
 17. Write a note on the following:
 - (a) Self-esteem
 - (b) Self-efficacy
 18. Write an essay on decision making skills.
 19. Write in detail on attitudes and its importance.
 20. Explain briefly about stress and its types.
-

D-5128

Sub. Code

32

DISTANCE EDUCATION

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

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. What is disgraceful, according to Swami's father in the short story "A Hero"?
2. What is the occupation did the verger take up after resigning from the church?
3. What is the moral of the story "The Proposal"?
4. How does Aunt Emily Character describe in "The boy comes home"?
5. What is the theme of "Progress"?
6. What is the only one fault that Pierre finds with the eel pie?
7. Who is the author of 'Reunion' play?
8. Define noun with an example.

9. Identify the parts of speech for the underlined words.

(a) Health is wealth.

(b) He is very impatient.

10. Give an example for descriptive writing.

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) What desperate attempts did Swami make to escape from his father?

Or

(b) How did Matilda manage a new dress and jewellery for the ball?

12. (a) What are the conflicts between Philip and uncle James in “The Boy Comes Home”?

Or

(b) How does Corrie intend to revolutionize warfare?

13. (a) Sketch the character Yassin in ‘The Refugee’.

Or

(b) Write a note on the characters Jean and Pierre.

14. (a) Describe redemption and forgiveness are the major themes in “A king of Justice”.

Or

(b) Write a short note on the control idea of “Reunion” by W.St. Joh Tayleur.

15. (a) Complete the sentences with adverbs :
- (i) I am going to tell you something very important, so please listen _____.
 - (ii) Ann! I need your help _____.
 - (iii) I am tired this morning. I did not _____ last night.
 - (iv) He works _____ all day.
 - (v) She sings _____ enough.

Or

- (b) Illustrate noun and its types.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE of the following.

- 16. Write an essay on father and son relationship in the story “A Hero”.
- 17. Where is situational irony in the “The Necklace” and how does this convey the author’s message?
- 18. Justify the title of the play, “The Proposal”.
- 19. Write an essay on Partriotic feelings to four friends in “Reunion”.
- 20. Write an essay on “Modern Techniques in mobile – Phone”.

D-5230

Sub. Code

13033/13233

DISTANCE EDUCATION

B.Sc. (Computer Science)/ B.Sc. (CS) (Lateral Entry) DEGREE
EXAMINATION, MAY 2022.

Third Semester

DATA STRUCTURES AND ALGORITHMS

(CBCS 2018-2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — ($10 \times 2 = 20$ marks)

Answer ALL questions.

1. Define: Time Complexity.
2. Define: One Dimensional Array.
3. What will be the basic principle of Stack?
4. In which way the circular queue will differ from queue?
5. Define: Tree and subtree.
6. List out any two hashing techniques.
7. What are the advantages of binary searching?
8. Enumerate the searching techniques.

9. What is meant by Sorting?
10. List any two sorting algorithms with their working principle.

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) What will be the reason for initialing an Array? Describe with the concept of Array Initialization.

Or

- (b) Analyzing the different types of Data Structures.
12. (a) Describe about PUSH and POP operation in stack with example.

Or

- (b) List out the applications of Queues with an example.
13. (a) Illustrate the insertion and deletion operations in Binary Search tree.

Or

- (b) Describe: Hashing Techniques with example.
14. (a) Describe the necessity of Linear search in order to find an element in list.

Or

- (b) How do you perform a Sorting? List out the procedure.

15. (a) Write an algorithm for Radix Sort. Explain.

Or

- (b) What is the principle of Tree sort and give an example.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain in detail about the characteristics of the Arrays and the different dimensions.
17. Illustrate the Linked List representations with example.
18. Explain in detail about the procedure for Binary Tree Traversing with an example.
19. Explain the Binary Search algorithm with example and analyze its time complexity.
20. Write the algorithm for insertion sort and Bubble sort with examples and discuss their complexities.
-

D-5129

Sub. Code

41A

DISTANCE EDUCATION

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

Fourth Semester

Part I : TAMIL PAPER — IV

(CBCS 2018-19 Academic Year onwards)

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க.

1. யாப்பின் உறுப்புகளைக் குறிப்பிடுக.
2. அசை எத்தனை வகைப்படும்?
3. திணை - குறிப்பு வரைக.
4. வரைவு கடாதல் பற்றி விளக்குக.
5. ஆநிரை கவர்தல் எப்புறத்திணைக்குரியது?
6. 'தற்குறிப்பேற்றம்' என்ற அணியின் முக்கியத்துவம் யாது?
7. தொல்காப்பிய அதிகாரப் பகுப்புக் குறித்து எழுதுக.
8. 'மணநூல்' எனப்படும் காப்பியம்?
9. பாண்டியன் பரிசு காப்பிய ஆசிரியர் யார்?
10. கண்ணதாசனின் இயற்பெயரைக் குறிப்பிடுக.

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

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) அடி எத்தனை வகைப்படும்? சான்றுகளுடன் விளக்குக.

(அல்லது)

(ஆ) புதுக்கவிதையில் குறியீடு பெறுமிடத்தைச் சுட்டி வரைக.

12. (அ) ஊடல் பொருளுக்குரிய அகத்திணை யாது? கருப்பொருட்களுடன் விவரிக்க.

(அல்லது)

(ஆ) சங்க கால வீரத்தைப் புறப்பொருள் இலக்கணம் கொண்டு விரித்துரைக்க.

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

(அல்லது)

(ஆ) நிறுத்தற்குறிகளில் 'காற்புள்ளி' வருமிடங்களைச் சான்றுகளுடன் எழுதுக.

14. (அ) பத்துப்பாட்டு நூல்களைப் பாடு பொருள் அடிப்படையில் பகுத்துக் கூறுக.

(அல்லது)

(ஆ) நாலடியார் நூல் எழுந்த வரலாற்றை எடுத்துரைக்க.

15. (அ) பெரிய புராணத்தின் தனித்துவத்தை நும் பாடப் பகுதியால் நிறுவுக.

(அல்லது)

(ஆ) பாண்டியன் பரிசு காப்பியத்தின் கதைக் களத்தைச் சுருக்கி வரைக.

பகுதி இ — ($3 \times 10 = 30$ மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. அகவற்பாவின் இலக்கணத்தைக் கூறி வகைகளைப் பட்டியலிடுக.
17. அன்பின் ஐந்திணைகள் குறித்த செய்திகளைத் தொகுத்துரைக்க.
18. உவமை அணியின் இலக்கணத்தைச் சான்றுகள் காட்டி விவரிக்க.
19. மதுரைக் காஞ்சி நூல் வழிச் சங்க கால வரலாற்றை எடுத்துரைக்க.
20. பாரதியாரின் நாட்டுப்பற்றைப் ‘பாஞ்சாலி சபதம்’ வழி விரிந்துரைக்க.

D-5130

Sub. Code

41B

DISTANCE EDUCATION

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

Fourth Semester

Part I – HUMAN SKILLS DEVELOPMENT – II

(CBCS 2018 – 19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Give four roles of a counsellor.
2. What are the three managerial skills?
3. Define technical skills.
4. What are the types of presentation?
5. Give two examples for multitasking skills.
6. What are the roles of a leader?
7. What skills are needed to work as an individual?
8. Write about the importance of problem solving skills?

9. Give two methods to improve your problem solving skills.

10. What is cooperative learning skills?

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) Elaborate the importance of counselling.

Or

(b) Define managerial skills with examples.

12. (a) Write about the importance of conceptual skills.

Or

(b) Illustrate the tools in technical skills.

13. (a) How do you improve your grasping power?

Or

(b) Write a note on qualities of a good leader?

14. (a) What are some important skills for community organizers?

Or

(b) How are skills in human connection relevant at all management level?

15. (a) Where do you use problem solving skills?

Or

(b) Define social responsibilities.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE of the following

16. Write an essay on the importance and techniques of counselling.
 17. List out the types of communication skills.
 18. How to analyse a candidate in an interview?
 19. Elaborate cooperative learning skills.
 20. What are problem solving skills and how are they important?
-

D-5131

Sub. Code

42

DISTANCE EDUCATION

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

Fourth Semester

PART II – ENGLISH PAPER – IV

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. How old was Schatz? What disease was he suffering from?
2. What is the dream of klaus?
3. What have Pickering and Higgins written respectively?
4. Write about Shankar's qualities as a student.
5. How much money did shylock give to Bassanio?
6. What disturbed the peace of Verona?
7. When did martin Luther king Jr. deliver his famous speech "I have a Dream"?
8. Put in the correct tag question:
 - (a) She's from a small town in china.
 - (b) Julie is not an accountant?

9. Expand the below given proverb.

“Make hay while the sun shines”

10. Give some expressions of apology.

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) Sketch the character of sahib.

Or

- (b) Analyse the short story ‘Little Girls wiser than men’.

12. (a) Discuss the transformation of Eliza in Pygmalion.

Or

- (b) Describe the personalities of Swami’s friends?

13. (a) How does Bassanio win the right to marry Portia?

Or

- (b) Examine the role of Escalus.

14. (a) Why was Martin Luther king Jr. awarded the 1964 Nobel peace prize?

Or

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

15. (a) Add appropriate question tags to the following sentences.

- (i) She speaks English well
- (ii) He has left
- (iii) You will have some tea
- (iv) I need not stay long
- (v) She loves dancing
- (vi) You are not joining the Strike
- (vii) He broke the glass
- (viii) He is not late
- (ix) He used to play cricket when he was young
- (x) Let's take some rest

Or

(b) Elaborate the use of Apology, request and thanking in a conversation.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

- 16. Analyse the story 'Two old Men'.
- 17. Write about Eliza's transformation.
- 18. What is the reason that the play was named, 'The winter's Tale'?
- 19. Write about Martin Luther King Jr. as given by R.N. Roy.
- 20. What is the significance of Toynbee's meetings with Nehru?

D-5231

Sub. Code

13043/13243

DISTANCE EDUCATION

B.Sc. (Computer Science)/B.Sc. (CS) (Lateral Entry) DEGREE
EXAMINATION, MAY 2022.

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. Expand JVM.
2. Define variable.
3. What are the two types of type casting in Java?
4. List out the types of Branching statements.
5. What do you mean by Class in Java?
6. Give the use of Inheritance.
7. What is finalize() method.
8. How to compare two strings in Java?

9. Define abstract class.
10. List out any two methods in Graphics class.

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) List out any two Java features. Explain them briefly.

Or

- (b) Write a short note on Data Types in Java.

12. (a) Discuss various arithmetic operators in Java.

Or

- (b) Write a short note on Switch statement in Java with Example.

13. (a) Describe the class fundamentals in Java with diagram.

Or

- (b) Write a Java program using Exception handling mechanism.

14. (a) How to create a Thread in Java? Explain.

Or

- (b) Discuss about any two pre-defined exceptions in Java.

15. (a) Illustrate the usage of super keyword.

Or

- (b) Write a program using String Class to sort a list of Strings.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Discuss in detail about Evolution of Java.
17. Discuss in detail about looping statements in Java with example.
18. Elaborate in detail about inheritance and its types in Java with example.
19. Describe about Packages in Java with example.
20. Discuss in detail about Applet life cycle.
-

D-5232

Sub. Code

13051/13251

DISTANCE EDUCATION

B.Sc. (CS)/ B.Sc. (CS) (Lateral Entry) DEGREE
EXAMINATION, MAY 2022.

Fifth Semester

OPERATING SYSTEMS

(CBCS 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — ($10 \times 2 = 20$ marks)

Answer ALL the questions.

1. Define Process State.
2. What is Inter process communication?
3. What are the types of Semaphores?
4. What do you mean by mutual exclusion in deadlock?
5. How is Deadlock detected and avoided?
6. What are the types of scheduling levels?
7. What is Virtual memory?
8. What are the ways of memory management?

9. Define Disk scheduling strategies.
10. What is File access control?

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) Explain the process states in an Operating System.

Or

- (b) What are the user goals and system goals of Operating System.

12. (a) Elaborate the Implementation mutual exclusion primitives.

Or

- (b) How will you implement mutual exclusion in operating systems.

13. (a) What is Deadlock with suitable examples in detail.

Or

- (b) Describe Dijkstra's banker algorithm in operating system.

14. (a) Write short note on :

- (i) Fixed Partition Multiprogramming
- (ii) Variable Partition Multiprogramming.

Or

- (b) Give some characteristics of Virtual Memory Management.

15. (a) Explain in detail about Disk Performance.

Or

- (b) Describe about free space management in operating system.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain in detail about Inter-process Communication, its types, advantages and disadvantages.
17. Discuss in detail about Page replacement algorithms and its types.
18. Elaborate the Processor Scheduling.
19. Discuss in detail about the Virtual Memory Management in detail.
20. Briefly explain about Disk scheduling strategies.
-

D-5233

Sub. Code

13052/13252

DISTANCE EDUCATION

B.Sc. (CS)/B.Sc. (CS) (Lateral Entry) DEGREE
EXAMINATION, MAY 2022.

Fifth Semester

RELATIONAL DATABASE MANAGEMENT SYSTEMS
(RDBMS)

(CBCS 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — ($10 \times 2 = 20$ marks)

Answer ALL questions.

1. Give the levels of data abstraction.
2. Define multiplicity.
3. What is a tuple variable?
4. State the two types of relational calculus.
5. Write the condition for a relation schema to be in 2NF.
6. What is embedded SQL?
7. What is conflict-serializable schedule?

8. Differentiate between optimistic locking and pessimistic locking.
9. Define 2 way search tree.
10. What do you mean by performance tuning?

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) Write the functions of database administrator.

Or

- (b) Mention various Data Manipulation Language operations with examples.

12. (a) Describe about various set operations defined in a relational algebra with example.

Or

- (b) Write the basic operations of relational algebra in detail.

13. (a) Differentiate 3NF and BCNF with examples.

Or

- (b) What are the different form of nested queries? Explain each of them.

14. (a) How will you recover a transaction if it fails to commit?

Or

- (b) Explain the two types of buffering done by a buffer manager.

15. (a) Write in detail about the single level ordered index.

Or

- (b) Discuss the different type of indexing.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain in detail about the three-tier schema architecture of DBMS.
17. How queries are built with the relational algebra? Explain with the help of a diagram.
18. What is Normalization? Explain in detail different forms of normalization with suitable example.
19. Discuss the problem of deadlock and starvation. Illustrate with example that the two-phase locking protocol is not deadlock free.
20. Explain the hash-based and tree-based indexing in detail.

D-5234

Sub. Code

13053/13253

DISTANCE EDUCATION

**B.Sc. (Computer Science) /B.Sc. (CS) (Lateral Entry) DEGREE
EXAMINATION, MAY 2022.**

Fifth Semester

COMPUTER ARCHITECTURE

(CBCS 2018-19 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define: Quantitative Principles of Computer design.
2. List out any two instruction set.
3. What is meant by Pipeline?
4. List out any two limitations of ILP.
5. Define: Static branch prediction.
6. List out the difference between Hardware and software speculation.
7. Define: Hit time.
8. What is meant by RAID?

9. Define: Multiprocessor Level Parallelism.

10. What is Multithreading?

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) Describe about Instruction set classification in architecture.

Or

(b) Explain the instructions of control flow in architecture.

12. (a) Describe about the concept of ILP.

Or

(b) Write short notes about IP6 Micro architecture

13. (a) Discuss the concept of Advanced compiler support mechanism in brief.

Or

(b) Describe the architecture for IA 64 and Itanium processor in brief.

14. (a) Brief the performance of Cache memory and list out how to reduce the hit time.

Or

(b) Write short notes on types of storage devices.

15. (a) Describe about the shared memory architecture.

Or

- (b) Brief the concept of Synchronization in architecture.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain different types of addressing modes with an example.
17. Discuss in detail about Dynamic Scheduling.
18. Explain about Hardware support for exposing parallelism.
19. Explain in detail about the RAID architecture with diagram.
20. Discuss about the concept of Models of memory consistency.
-

D-5235

Sub. Code

13061/13261

DISTANCE EDUCATION

B.Sc. (CS)/B.Sc. (CS) (Lateral Entry) DEGREE
EXAMINATION, MAY 2022.

Sixth Semester

Computer Science

COMPUTER NETWORKS

(CBCS 2018-19 Academic Year onwards)

Time : Three hours

Maximum : 75 marks

PART A — ($10 \times 2 = 20$ marks)

Answer ALL questions.

1. Mention the features of LAN.
2. For n devices in a network, what is the number of cable links required for a mesh and ring topology?
3. What are the issues in data link layer?
4. List the protocols used with CSMA.
5. Differentiate circuit switching and packet switching.
6. Define congestion.
7. What are the duties of the transport layer?
8. What is WWW?
9. Define cryptography.
10. What are the categories of active attack?

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) Name the four basic network topologies and explain them in brief.

Or

- (b) Explain about coaxial cable and fiber optics media for communication.

12. (a) Write short notes on CRC.

Or

- (b) Describe the sliding window protocol for data link layer.

13. (a) Give a brief account on Message switching.

Or

- (b) Mention the limitations of link state routing algorithm.

14. (a) Discuss the various timers used by TCP to perform its various operations.

Or

- (b) Explain in short on why the domain name system (DNS) is needed in networks?

15. (a) (i) Convert the Given Text “CRYPTOGRAPHY” into cipher text using Rail fence Technique. (3)
(ii) List out the components of encryption algorithm. (2)

Or

- (b) Describe the structure of DES and its key generation algorithm.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. With a neat diagram, explain OSI reference model.
 17. Describe the error detecting and correcting techniques employed in data communications.
 18. Explain shortest path algorithm with a suitable illustration.
 19. List and discuss the states used in the TCP connection management finite state machine.
 20. Discuss any four Substitution Techniques used in cryptography and list their merits and demerits.
-

D-5236

Sub. Code
13062/13262

DISTANCE EDUCATION

B.Sc. (CS)/B.Sc. (CS) (Lateral Entry) DEGREE
EXAMINATION, MAY 2022.

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.

All questions carry equal marks.

1. What is the purpose of visual basic?
2. Differentiate window and form layout window.
3. What are a controls sizing handles for?
4. Which from property sets the title that appears in the forms title bar?
5. State multiple forms.
6. What is an array?
7. What is the event property used in menu processing?
8. List the use of MDI form.
9. State DAO.
10. List the use of record set.

PART B — ($5 \times 5 = 25$ marks)

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

11. (a) Give an account on visual basic.

Or

- (b) Illustrate the event driven procedures.

12. (a) Discuss about the literals and data types.

Or

- (b) Write a program using command button.

13. (a) Explain about the String functions.

Or

- (b) Evaluate the control arrays.

14. (a) How do you creating menus?

Or

- (b) Describe about the basic building in MDI child forms.

15. (a) Explain about the commit and rollback transaction.

Or

- (b) Illustrate the OLE DB and ADO.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

All questions carry equal marks.

16. How do you saving, running and testing in VB program? Explain.

17. Write a VB program using for-next control structure.

18. Evaluate the Recursive function.
 19. Write notes on adding code to menus.
 20. Discuss on connecting to the database and retrieving a record set.
-

D-5237

Sub. Code

13063/

13263

DISTANCE EDUCATION

B.Sc. (CS)/B.Sc. (CS) (Lateral Entry) DEGREE
EXAMINATION, MAY 2022.

Sixth Semester

Computer Science

SOFTWARE ENGINEERING

(CBCS 2018 – 2019 Academic year onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — ($10 \times 2 = 20$ marks)

Answer ALL questions.

1. What is Software Myths?
2. Mention the framework activities of Personal Software Process (PSP).
3. List out various functions of Requirement Engineering.
4. Define Data Objects.
5. What do you mean by Design Pattern?
6. List out common design issues in interface design.
7. Define a term Verification.
8. What does Software Quality mean?

9. Expand RMMM.

10. Define Software Reliability.

SECTION B — ($5 \times 5 = 25$ marks)

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

11. (a) Comment on Software Engineering - A layered technology.

Or

(b) Write a short note on Waterfall Model with necessary diagram.

12. (a) Explain about Validating Requirements.

Or

(b) Illustrate Swimlane Diagram with example.

13. (a) Write down the Quality Guidelines.

Or

(b) Comment on Hierarchical Representation in Interface Design.

14. (a) Explain about Validation Testing.

Or

(b) Write a note on ISO 9126 Quality Factors.

15. (a) How to assess risk impact?

Or

(b) Comment on Defect Amplification and Removal.

SECTION C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Discuss about Evolutionary Process Models.
 17. Explain about Requirements Engineering Tasks.
 18. Illustrate on Design Concepts.
 19. Explain about Metrics for Software Quality.
 20. How to identify the risk? Explain it.
-