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 2021.

First Semester

Part I – TAMIL PAPER I

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours                    Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க.

1.  மூடிவைத்த பாத்திரத்தில் எத்தனைப் படி நெய் இருந்தது?

2.  கோபாலனின் குழலைக் கேட்டப் பசுக்கள் என்ன செய்தன?

3.  கோபத்தில் ஆழ்ந்திருந்த ராதாவிடம் கண்ணன் தந்தது என்ன?

4.  பட்டுக்கோட்டை கல்யாண சுந்தரம் பிறந்த ஊர் யாது?

5.  'கண்ணன் என் விளையாட்டுப் பிள்ளை' எனப் பாடியவர்?

6.  'சிறுகதை ஆசான்' எனப் போற்றப்படுபவர் யார்?

7.  'குடிமக்கள் காப்பியம்' எனப்படும் காப்பியம் எது?

8.  கம்பராமாயணத்தின்     எக்காண்டத்தில்     மந்திரப்     படலம்
    அமைந்துள்ளது?

9.  'சீறத்' - பெயர்காரணம் தருக.

10. தேம்பாவணி ஆசிரியரின் இயற்பெயரைக் குறிப்பிடுக.

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) ஆயர்பாடி மாளிகையில் கண்ணன் செய்தனவற்றை எழுதுக.

(அல்லது)

(ஆ) தொழிலின் சிறப்புகளைப் பட்டுக்கோட்டை கல்யாணசுந்தரம் உரைக்குமாற்றை விளக்குக.

12. (அ) ஏழை மற்றும் செல்வந்தரைப் பற்றிப் பாரதிதாசன் உரைப்பனவற்றை எழுதுக.

(அல்லது)

(ஆ) நோய்க்கு அறிகுறிகளாக நாமக்கல் கவிஞர் கூறுவனவற்றை விளக்குக.

13. (அ) பாரதத்தின் பெருமைகளைச் சிதைக்கும் நோய்கள் என நாமக்கல் கவிஞர் எவற்றைக் கூறுகிறார்?

(அல்லது)

(ஆ) வயிறு ஜீவனாக விளக்குவதைக் கவிஞர் ஷண்முக சுப்பையா எவ்வாறு விளக்குகிறார்?

14. (அ) கண்ணகி வாயில் காவலர்க்குத் தன்வரவினை உரைக்குமாற்றை எழுதுக.

(அல்லது)

(ஆ) இராமன் வருகையையும் நகரில் நடந்தனவற்றையும் கம்பர் எங்ஙனம் பாடுகிறார்?

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D–1118

15. (அ) சாந்தியின் வினாக்களுக்குத் தாய் மேரி அளித்த விடை யாது? விளக்குக.

(அல்லது)

(ஆ) 'இறைவனின் தூதன்' என்று சான்று காட்டிய நபிகளின் செயல்களை விவரிக்க.

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. கண்ணன் - என் விளையாட்டுப் பிள்ளை எனப் பாரதியார் பாடுமாற்றை விவரிக்க.

17. பாரதிதாசன் உலகப்பன் பாட்டு வழிக் கூறும் உண்மைகளை எடுத்துரைக்க.

18. மோசிகீரனார் வரலாற்றை ஞானக்கூத்தன் எடுத்துரைக்குமாற்றை விவரிக்க.

19. பாண்டிமாதேவி கண்ட கனவினால் வினைந்தவைகளை விளக்கி எழுதுக.

20. அறபியை நபிகள் நாயகம் ஆட்கொண்ட திறத்தை விரித்துரைக்க.

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D–1118

## 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 2021.

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. Define Communication and its types.

2. Write the Principle of Effective Communication.

3. What are Preparation for speech in Oral Communication?

4. Write a few lines about Layout.

5. What is mean by sentence for motion?

6. Write the types of non-Verbal Communication.

7. What are the essential qualities of a Good Report?

8. Define Behavioural Skills.

9. Write the quality of content.

10. Explain the Purpose of Meeting.

PART B — (5 × 5 = 25 marks)

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

11. (a) Write the Barriers of Effective Communication.

Or

(b) What are the Importance of communication?

12. (a) Write about the Principles of Effective Oral Communication.

Or

(b) Define Intonation and its Function.

13. (a) Write the Characteristics of an effective sentences.

Or

(b) What are the advantages and uses of Words and Phrases?

14. (a) What are steps involved in the Essay writing?

Or

(b) Define Outline and Layout.

15. (a) Write the Quality of Content.

Or

(b) Explain the purpose of the meeting.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write the barriers and principles of Effective Communication.

17. What are the Importance of Oral Communication?

2 **D–1119**

18. Define Sentence Formation. Write the Characteristics of effective sentence.

19. Explain Non-Verbal Communication.

20. Write the Format of Report Writing.

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**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, DECEMBER 2021.

First Semester

Part – II

ENGLISH PAPER-I

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

Time : Three hours                    Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1.   'Alpha of the Plough' is the pseudonym of_____

2.   What is the main theme of *Water the elixir of life*?

3.   List out some main drawbacks of *Our Civilization*.

4.   What are the causes and remedies of drug abuse?

5.   Write a short note on *Minerals in Food*.

6.   Define - Participles with examples.

7.   Turn the sentence into Indirect Speech.

     Kumar said, "I have not been able to finish my work this evening".

8. What is the purpose of précis writing?

9. State the importance of letter writing.

10. Develop the following

    Ramu : Hello, How are you?

    Somu : Hi, _____

    _____

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a paragraph on conversation of water.

Or

(b) Write a short note on *Minerals in Food*.

12. (a) Explain - Art of letter writing.

Or

(b) Bring out the significance of the title '*Food*'.

13. (a) What are sensual drugs and dangers of the abuse of sensual drugs?

Or

(b) Write a paragraph on Our *Ancestors*.

14. (a) Fill in the blanks using suitable prepositions.

    (i) Kathir goes ————school every morning ———— nine.

    (ii) The seedling grew ———— a tree ———— just three years.

2 **D–1120**

(iii) King Lear was written ——————— Shakespeare who was born —————1564.

(iv) _____ the morning, father goes ——————— a walk.

(v) I begin my day ——————— a cup of coffee prepared ——————— my mother.

Or

(b) Modal Auxiliary verbs

(i) My grandmother eighty-five, but she still reads and writes without glasses.

(ii) _____ I come with you?

(iii) _____ you help me with the housework, please?

(iv) There was a time when I ——————— stay up very late.

(v) You ——————— not lose any more weight. You are already slim.

15. (a) Write a paragraph on the major features of a computer.

Or

(b) Write a story using the hints given below:

Young man-riding a horse to town - on the way-lame beggar - "Please take me to town"- they reach town - "horse is mine" says beggar-they go to King's Officer - young man covers horse's head - "horse blind in one eye. Which one?". "left", says beggar - horse not blind-beggar punished.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. How does J.B.S. Haldane discuss the necessity and function of food?

17. Explain the process of evolution of mankind according to Carl Sagan.

3

D–1120

18. Write a critical appreciation of C. E. Foad's *Our Civilization*.

19. Fill in the blanks with the appropriate forms of the verbs given in brackets: (Use the simple present or the present continuous or the simple past).

(i) I ———(grow) a beard now.

(ii) I____(forget) to wind the clock last night.

(iii) Every year he____(spend) his holidays in Kashmir.

(iv) It ————— (rain), take your umbrella.

(v) Keep quiet, we ———(listen) to the music.

(vi) That silly fool always____(make) stupid remarks.

(vii) She____(hate) cats.

(viii) My friend____(come) to see me yesterday.

(ix) Who___(discover) America?

(x) What a noise! What on earth ———(happen)?

20. Write a conversation of your own using the expressions "greeting and introducing yourself".

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**D–1120**

## DISTANCE EDUCATION

B.Sc. DEGREE EXAMINATION, DECEMBER 2021.

First Semester

Information Technology

PRINCIPLES OF INFORMATION TECHNOLOGY

(CBCS 2018 – 19 Academic Year Onwards)

Time : Three hours      Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What do you meant by video conferencing?

2. Define Cryptography.

3. State Demorgan's theorem.

4. Convert $(41)_{10}$ to an Octal Number.

5. What are the advantages of Visual Basic Programming?

6. Java is a platform independent language. Justify.

7. What are the pros and cons of integrated software?

8. List any two internet web browsers.

9. What do you mean by mobile phone application?

10. How will you rate secondary storage devices?

PART B — (5 × 5 = 25 marks)

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

11. (a) Briefly explain the architecture of 7 layers of OS reference model.

Or

(b) List and explain different hardware used in computer networking.

12. (a) Explain briefly about canonical sum of product and product of sum with examples.

Or

(b) How do you perform addition and subtraction using 1's Complement and 2's Complement of Binary number $(10010110)_2$?

13. (a) What are the components of an Operating system? Explain.

Or

(b) Briefly explain various components of computer system with block diagram.

14. (a) Discuss in detail about online information services.

Or

(b) Tabulate the comparison of analog and digital signals.

15. (a) Write short note on cloud database. What are its advantages? Explain.

Or

(b) What are the different operations of data storage? Explain.

2 **D–1215**

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain in detail about generations of computer.

17. Discuss about Quine Mccluskey method of simplification with suitable example.

18. Narrate the importance of Object Oriented Programming. What its Applications?

19. Explain in detail about various network topologies with neat diagram.

20. Explain various types of database organization with neat diagram.

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**D–1215**

## 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 2021.

Second Semester

Tamil

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 என்ற சொல்லின் பொருளைத் தருக.

2.  'வான வீதியில்' தொகுதியில் இடம்பெற்றுள்ள சிறுகதைகளின் எண்ணிக்கை?

3.  மதிற்போர் - குறிப்பு வரைக.

4.  முதலெழுத்துக்கள் என்றால் என்ன?

5.  அன்மொழித் தொகை - விளக்கம் தருக.

6.  'ஆறில் ஒரு பங்கு' என்னும் சிறுகதையை எழுதியவர்?

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 — ($5 \times 5 = 25$ மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) சாந்தி உள்ளம் மகிழ்ந்து குழந்தை ஏசுவைப் போற்றுமாற்றை விவரிக்க.

(அல்லது)

(ஆ) வீரமாமுனிவர் வெளிப்படுத்தியுள்ள தமிழ்மரபுகளை எடுத்துரைக்க.

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

(அல்லது)

(ஆ) இராமன் புரிந்த கன்னிப் போர் குறித்து விவரிக்க.

13. (அ) சார்பெழுத்துக்களின் வகைகளை விளக்கி வரைக.

(அல்லது)

(ஆ) விடைகள் எத்தனை வகைப்படும்? அவற்றை விளக்கி வரைக.

14. (அ) புதுக்கவிதையின் வளர்ச்சி வரலாற்றைச் சுருக்கி எழுதுக.

(அல்லது)

(ஆ) பாரதிதாசனின் தமிழ்ப்பற்றை விளக்கி வரைக.

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D–1121

15. (அ) திருஞானசம்பந்தரின் பக்தித் திறத்தைப் பாராட்டியுரைக்க.

   (அல்லது)

   (ஆ) மக்கள் வாழ்வியலில் இணையம் பெறும் முக்கியத்துவத்தை
   எடுத்துரைக்க.

   பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. குழந்தை ஏசுவை ஆயர்கள் எங்ஙனம் போற்றினர்? விளக்குக.

17. கம்பன் உரைக்கும் போர்க்களச் செய்திகளைத் தொகுத்துரைக்க.

18. தமிழ்ச் சொல்லமைப்பின் சிறப்புக்களை நும் பாடப் பகுதியால்
    விரிந்துரைக்க.

19. நாவல்கள் திரையாக்கம் பெறும் முறையை எடுத்துக்காட்டுகளுடன்
    விவரிக்க.

20. தமிழர்தம் இல்லற மாண்பினை பெரியபுராணம் வழிக் கட்டுரைக்க.

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# DISTANCE EDUCATION

Common for B.A. /B.Sc. /B.C.A. /B.B.A. /B.B.A
(Banking)/M.B.A. (5 Year Integrated) DEGREE
EXAMINATION, DECEMBER 2021.

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.   How do you define a code in communication?

2.   What is known as the encoding process in communication?

3.   What is the function of intonation?

4.   What do you mean by brevity in a speech?

5.   What do you mean by 'Emphatic listening'?

6.   What is the significance of the profile of the audience in presentation?

7.   What do you mean by stress interview?

8.   What do you mean by probing questions in an interview?

9.   What is the use of visual aids in a presentation?

10.  What is the purpose of a circular?

PART B — (5 × 5 = 25 marks)

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

11. (a) Examine the different codes that we use in communication.

Or

(b) Write a note on non-verbal communication.

12. (a) What are the guiding principles that make a speech successful?

Or

(b) Draw a phonetic chart with illustrations.

13. (a) Write a note on the strategies to be followed in effective listening.

Or

(b) Examine the importance of presentation skills in the present day scenario.

14. (a) What are the contents of a good Resume?

Or

(b) Write a note on the advantages of telephonic interview.

15. (a) Write a note on the function of a memo.

Or

(b) What are the characteristics of a good report?

2          **D–1122**

PART C — (3 × 10 = 30 marks)

Answer any THREE of the following.

16. Discuss the strategies to develop communication skills.

17. Attempt an essay on the pronunciation etiquette in communication skills.

18. Listening helps you to speak better – Comment.

19. Bring out the use of appropriate visual aids in a presentation.

20. Discuss the modalities to be followed in effective business writing.

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**D–1122**

**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 2021.

Second Semester

English

PART – II ENGLISH PAPER – II

(CBCS 2018 – 19 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 a note on the city of London as Word worth describes it in Poem "Lines Composed upon Westminster Bridge"?

2.    How John Keats establish the connection with ancient art?

3.    What does the express train symbolize in the poem the Express?

4.    What does Gitanjali mean?

5.    Why the sea is called mother in the poem Coromandel fishers?

6.    Who is Tubal in The Merchant of Venice?

7. Is shylock is Villain or Victim?

8. How does Portia get back her ring?

9. Write the importance of Essay Writing

10. What is a Report?

PART B — (5 × 5 = 25 marks)

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

11. (a) Write the dramatic Monologue in Robert Brownings Andrea del Sarto.

Or

(b) Why does words worth invoke God in his poem? What does he mean by "that mighty heart"?

12. (a) Write the symbolism used in the Poem "The Road Not taken".

Or

(b) Write the critical appreciation of the Poem Coromandel Fisher.

13. (a) Explain the Indian Philosophical aspects and the theme of Devotion in Tagore's Gitanjali.

Or

(b) Write a note on "Titanic wars" as referred is Wilfred Owen's Strange Meeting.

14. (a) Explain the relationship between compassion and Justice in the play "The Merchant of Venice".

Or

(b) Justify – Is shylock a villain?

**D–1123**

15. (a) What is Note Making? What are the Advantages of Note Making?

Or

(b) What are the processes of Report Writing?

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Elaborate various themes used in the Poem 'Ode on a Grecian Urn'.

17. How Tagore's philosophy of life is reflected in the Gitanjali?

18. What are the Poetic Devices used in 'The Road not Taken'?

19. Describe the circumstances that led to the signing of the bond by Antonio and its consequences.

20. Distinguish the difference between the Report writing and essay writing.

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**D–1123**

**DISTANCE EDUCATION**

B.Sc. DEGREE EXAMINATION, DECEMBER 2021.

Second Semester

Information Technology

PROGRAMMING IN C AND DATA STRUCTURES

(CBCS 2018 – 19 Academic Year Onwards)

Time : Three hours　　　　　　　Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1.　Define constant.

2.　What is an Identifier?

3.　Define Dynamic array.

4.　How to initialize pointers?

5.　Write the syntax for switch statement.

6.　How to close a file? Give an example.

7.　Define Data Structure.

8.　What are the applications of stack?

9.　Define depth and height of a tree.

10.　Define Binary Tree.

PART B — (5 × 5 = 25 marks)

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

11. (a) How to declare variable? Write the rules for defining the variables.

    Or

    (b) Explain the nested if with statement with example.

12. (a) Describe the string handling functions available in C.

    Or

    (b) Write the program to sort an array of numbers in ascending order.

13. (a) How to pass structures to functions? Explain with an example.

    Or

    (b) Briefly write about Command Line parameters.

14. (a) Explain the operations performed on a Queue.

    Or

    (b) What is single linked list? How to represent the single linked list with example?

15. (a) Explain briefly about any one Binary Tree Traversal techniques? Explain.

    Or

    (b) Write short notes on Hashing techniques with example.

**D–1216**

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Briefly describe the various iterative statements available in C with example.

17. Explain the different categories of functions in C with suitable examples.

18. Write a C program to calculate the net pay of an employee using structures. (Assume your own data).

19. List and explain the various operations on stack with example.

20. Explain how the insertion and deletion operations done on Binary Search Tree.

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3

**D–1216**

## DISTANCE EDUCATION

Common for B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
DECEMBER 2021.

Third Semester

Tamil

Part I – TAMIL – Paper – III

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours                    Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க

1.   ஐங்குறுநூற்றின் குறிஞ்சிப் பாடல்களைப் பாடியவர் யார்?

2.   'நெஞ்சாற்றுப்படை' என அழைக்கப்படும் எட்டுத்தொகை நூல்
     யாது?

3.   பட்டினப்பாலை யாரால் பாடப்பட்டுள்ளது?

4.   பரணர் பாடியப் பாடல்களின் எண்ணிக்கையைத் தருக.

5.   அறத்தொடு நிற்றல் என்றால் என்ன?

6.   கையறு நிலை - சிறுகுறிப்பு வரைக.

7.   திருக்குறளை முதன்முதலில் ஆங்கிலத்தில் மொழிபெயர்த்தவர்?

8.   அகில் எதன் வயிற்றில் பிறக்கும்?

9.   வேங்கி நாட்டு இளவரசனின் பெயரைக் குறிப்பிடுக.

10.  சுவடுகள் நாவலில் வரும் கணக்குப்பிள்ளையின் பெயர் என்ன?

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11.  (அ) பாசறை அமைப்புக் குறித்து முல்லைப்பாட்டின் வழி
         விளக்குக.

(அல்லது)

     (ஆ) ஐங்குறுநூற்றைத்     தொகுத்தோன்,     தொகுப்பித்தோன்
         வரலாற்றைச் சுருக்கி எழுதுக.

12.  (அ) குறிஞ்சித்திணையின் முப்பொருட்களைப் பட்டியலிடுக.

(அல்லது)

     (ஆ) நற்றிணையின் சிறப்புகளை நும் பாடப்பகுதியால் விளக்கி
         வரைக.

13.  (அ) அகநானூற்று நூல் பகுப்பின் சிறப்புகளை எடுத்துரைக்க.

(அல்லது)

     (ஆ) மாறோகத்து நப்பசலையார் பற்றிக் குறிப்பு வரைக.

14.  (அ) வள்ளுவர் உரைக்கும் வாழ்க்கைத் துணை நலம் குறித்த
         செய்திகளை எழுதுக.

(அல்லது)

     (ஆ) நல்லார் பிறக்கும் குடியை அறிவார் யார்? விளம்பிநாகனார்
         தரும் விளக்கம் யாது?

15.  (அ) இராசராசசோழன் நாடகத்தில் இடம்பெற்றுள்ள பாத்திரப்
         படைப்புகள் குறித்து விவரிக்க.

(அல்லது)

     (ஆ) சுவடுகள் என்னும் நாவலின் கதைச் சுருக்கத்தை எழுதுக.

2                          D–1124

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. 'குறிஞ்சிக்குக் கபிலர்' என்பார் கூற்றை நும் பாடப் பகுதியால் விளக்குக.

17. வினைமுற்றி மீளும் தலைவன் மழையை வாழ்த்துமாற்றைப் பெருங்கௌசிகனார் எங்ஙனம் புலப்படுத்துகிறார்?

18. தலைமகன் பாசறையிலிருந்து சொல்லிய செய்திகளைச் சேந்தம்பூந்தனார் வழி விவரிக்க.

19. அறிவுடையார் அறிவிலார் குறித்து வள்ளுவர் உரைக்குமாற்றை எடுத்துரைக்க.

20. சுவடுகள் நாவலின் 'இராசாத்தி' பாத்திரப் படைப்பை விரிந்துரைக்க.

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D–1124

## DISTANCE EDUCATION

COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
DECEMBER 2021.

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 Behaviour.

2.   Write the merits of good habits.

3.   What is mean by Self-Esteem?

4.   How to build the Positive Personality?

5.   Define Dias Etiquette.

6.   Write the structure of Negotiating Skills.

7.   How to manage the Stress?

8.   What is the importance of Change Resistance?

9.   Write the characteristics of Leadership.

10.  Define Counselling.

PART B — (5 × 5 = 25 marks)

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

11. (a) What is Human Skills? Explain its Types.

Or

(b) Write the importance of Interpersonal Relationship.

12. (a) What are the ways for developing personality?

Or

(b) Distinguish between Self Concept and Self- Esteem.

13. (a) What is Goal Setting? Write the importance of Goal Setting.

Or

(b) Explain Decision Making Skills.

14. (a) Define Negotiating skills and its structure.

Or

(b) Write the canons of good human relations.

15. (a) What is stress? Write the cause and effect of Stress?

Or

(b) Write the consequences of Anger Management.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Define interpersonal Relationship and Interpersonal Behaviour.

17. What is Personality? Write the Needs and Factors of influencing Personality.

**D–1125**

18. Define Decision Makings Skills with its types.

19. Explain the attitudes and its importance with types.

20. What is conflict? Write the cause and effects of Conflicts?

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**D–1125**

## DISTANCE EDUCATION

COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION, DECEMBER 2021.

Third Semester

Part – II – ENGLISH PAPER – III

(CBCS 2018 – 19 Academic Year Onwards)

Time : Three hours          Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1.   What was the talent of the new Vicar?

2.   Write about swami's father?

3.   Who is Ivan Vassiliyitch Lomov?

4.   What is the main problem of Philip?

5.   What was the invention of Prof. Corrie?

6.   What is pathos?

7.   Note on Gaultier's Dinner with Mayor in 'The Pie and the Tart".

8.   Who are four friends in the Reunion?

9.   Define Refugee.

10.  Define Adjective.

PART B — (5 × 5 = 25 marks)

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

11. (a) Write the conflict between swami and his father.

Or

(b) Describe how a verger gets success after his dismissal from the church.

12. (a) What is the theme of the proposal by Anton Chekhov?

Or

(b) What is the importance of dream in the play "The Boy Comes Home"?

13. (a) What are the features of Carrie's new invention?

Or

(b) Sketch the characters of Mr. and Mrs. Pryde in 'The Silver Idol'.

14. (a) Explain the Gamier's Dinner with Mayor.

Or

(b) Write the Ideological Conflict in Asif Currimbhoy's The Refugee.

15. (a) Briefly explain verb and its types.

Or

(b) How do you write minutes for a meeting?

**D–1126**

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. How loneliness is depicted in The Postmaster?

17. Write a critical appreciation of 'The Silver Idol'.

18. Sketch the characters of Gaultier and Marion in 'The Pie and the Tart'.

19. Write an essay on Margaret Wood's 'A Kind of Justice'.

20. What are the formats for a descriptive writing?

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**D–1126**

## DISTANCE EDUCATION

B.Sc. (IT)/ B.Sc. (IT) (Lateral Entry) DEGREE
EXAMINATION, DECEMBER 2021.

Third Semester

INTERNET AND JAVA PROGRAMMING

(CBCS 2018 – 19 Academic Year Onwards)

Time : Three hours                    Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1.   Define Internet and its type.

2.   What is Telnet?

3.   List out the benefits of OOP.

4.   How Java differs from C and C++?

5.   Define constructor with example.

6.   What are the extending interfaces?

7.   List out the types of errors in Java?

8.   Write the syntax of exception handling code.

9.   Define concept of streams.

10.  What is FileInputstream?

PART B — (5 × 5 = 25 marks)

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

11.  (a)  Describe DNS with example.

Or

(b)  Explain about internet search engines in detail.

12.  (a)  Describe the features of Java.

Or

(b)  List out the data types in JAVA with example program.

13.  (a)  Differentiate between methods overloading and nesting of methods.

Or

(b)  Explain the steps for implementation of interface in Java.

14.  (a)  Describe Life cycle of a thread.

Or

(b)  How applets differ from applications?

15.  (a)  What is the difference between byte stream and character stream?

Or

(b)  Explain the catch and finally statement with examples.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16.  Discuss about the various online chatting in detail.

17.  Briefly explain decision making and branching statement with suitable examples.

2          **D–1217**

18. What is an inheritance? Explain its types.

19. How applets differ from applications. Write Java applet program for designing web page.

20. Briefly describe for creating a file in Java with example program.

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3 **D–1217**

DISTANCE EDUCATION

COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION,
DECEMBER 2021.

Fourth Semester

PART – I : TAMIL PAPER IV

(CBCS 2018 – 2019 Academic Year Onwards)

Time : Three hours                    Maximum : 75 marks

பகுதி அ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்க

1.   அடி எத்தனை வகைப்படும்? யாவை?

2.   படிமம் - சிறுகுறிப்பு வரைக.

3.   உடன்போக்கு எத்திணைக்குரிய துறை?

4.   வரைவு கடாதல் என்றால் என்ன?

5.   தற்குறிப்பேற்ற அணியை விளக்குக.

6.   திருமுருகாற்றுப்படையை இயற்றியவர் யார்?

7.   திருக்குறளுக்கான சிறப்புப் பெயர்கள் இரண்டினைத் தருக.

8.   பெரிய புராணத்தின் ஆசிரியர் யார்?

9.   'பாண்டியன் பரிசு' காப்பியத்தின் கதைத் தலைவன்?

10.  பாஞ்சாலி சபதம் - ஆசிரியர் குறிப்பு வரைக.

பகுதி ஆ — (5 × 5 = 25 மதிப்பெண்கள்)

பின்வரும் வினாக்களுக்கு ஒரு பக்க அளவில் விடை தருக.

11. (அ) தளை என்றால் என்ன? அதன் வகைகளை விளக்கி வரைக.

(அல்லது)

(ஆ) ஆசிரியப்பாவின் இலக்கணத்தைச் சான்று காட்டி விளக்குக.

12. (அ) களவில் 'அறத்தொடு நிற்றல்' பெறும் முக்கியத்துவத்தை நிறுவுக.

(அல்லது)

(ஆ) கையறுநிலை என்பதை விளக்கிச் சான்று காட்டுக.

13. (அ) சிலேடை அணி இலக்கணத்தை வகைகளுடன் விளக்குக.

(அல்லது)

(ஆ) மொழி நடையில் காற்புள்ளி எவ்வெவ்விடங்களில் பயன்படுத்த வேண்டும்?

14. (அ) ஐங்குறுநூறு குறித்த செய்திகளைத் தொகுத்துரைக்க.

(அல்லது)

(ஆ) திருக்குறள் நூல் பகுப்புமுறைகளை விளக்கி எழுதுக.

15. (அ) கம்பராமாயணத்தின் தனிச்சிறப்புகளைப் புலப்படுத்துக.

(அல்லது)

(ஆ) சிற்பியின் 'மௌன மயக்கங்கள்' கவிதைகளை மதிப்பிடுக.

2                                    D–1127

பகுதி இ — (3 × 10 = 30 மதிப்பெண்கள்)

பின்வரும் வினாக்களில் மூன்றனுக்குக் கட்டுரை வடிவில் விடை தருக.

16. தொடை வகைகளைச் சான்றுகளுடன் கட்டுரைக்க.

17. புறத்திணையை வகைகளுடன் தொகுத்துரைக்க.

18. செய்யுள் படைப்பில் அணி இலக்கணம் பெறுமிடத்தை எடுத்துரைக்க.

19. வள்ளுவரின் கவித்திறத்தைச் சான்றுகளுடன் விரிந்துரைக்க.

20. பாஞ்சாலி சபதத்தின் படைப்பு நோக்கத்தைப் புலப்படுத்துக.

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D–1127

## DISTANCE EDUCATION

COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION, DECEMBER 2021.

Fourth Semester

PART – I — HUMAN SKILL DEVELOPMENT – II

(CBCS 2018 – 19 Academic Year Onwards)

Time : Three hours                    Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Who need counselling?

2. How can you create attention among people?

3. Mention the importance of conceptual skills.

4. What are the procedures for technical skills?

5. What is the role of planning in presentation skills?

6. Who is known as leader?

7. What is the basic structure of group discussion?

8. Define understanding skills.

9. How do we face society in a difficult situation?

10. Why do we co-up with community?

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a short note on techniques of counselling.

Or

(b) Discuss the need of managerial skill.

12. (a) What are the tools used in technical skills? Explain briefly.

Or

(b) Write a note on planning and preparation in presentation skills.

13. (a) Write some multi-tasking skills for handling the organization properly.

Or

(b) What are the qualities of a community group?

14. (a) Mention some do's to be followed by a member in a group interaction.

Or

(b) What are the important techniques in problem solving skills?

15. (a) Write a short note on cooperative learning skills.

Or

(b) Write some causes for making social responsibilities.

**D–1128**

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write an essay on role and importance of counsellor.

17. List out the types of technical skills.

18. What are the qualities of a good leader? Explain.

19. Explain the different ways of interactions in undertaking skills.

20. Explain the role of handling and facing in problem solving skills.

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**DISTANCE EDUCATION**

COMMON FOR B.A./B.Sc./B.C.A. DEGREE EXAMINATION, DECEMBER 2021.

Fourth Semester

PART – II ENGLISH PAPER – IV

(CBCS 2018 – 19 Academic Year Onwards)

Time : Three hours                    Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Why did Lalajee come to Mokameh Ghat?

2. Write about the two old men in Leo Tolstoy's 'Two Old Men'.

3. Who is Van Bommel in 'Boy who wanted more Cheese'?

4. Who is Swaminathan?

5. Does Eliza improve her Self-Confidence in 'Pygmalion'?

6. How is Romeo affected by Balthazar's news?

7. Note on Antonio.

8. What was the role of Proserpina in Shakespeare's 'The Winter's Tale'?

9. Who is Martin Luther King?

10. Expand the proverb: Covert all, Lose all.

PART B — (5 × 5 = 25 marks)

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

11.  (a)  What are the literary elements found in 'A Day's Wait'?

Or

(b)  Sketch the character of Klaas Van Bommel.

12.  (a)  Write about the innocence of youth in Swami and Friends.

Or

(b)  Explain the Higgins' attitude towards Eliza's feeling.

13.  (a)  What are the main differences in spoken English between the upper and lower class in Pygmalion?

Or

(b)  What is the main theme of Romeo and Juliet?

14.  (a)  Who is Antagonist in the play 'The Merchant of Venice"? Explain his Characteristics.

Or

(b)  What sort of discrimination did Luther King fight against?

15.  (a)  Differentiate Phrase and Clause.

Or

(b)  Write a short note Group discussion.

**D–1129**

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write an essay on the theme of 'Little Girls Wiser than Men' by Tolstoy.

17. Summarize the short story 'Boy Who wanted more cheese'.

18. How does Bernard Shaw represent transformation of a poor and uneducated girl into a daiches in Pygmalion?

19. Explain theme of Jealousy in Shakespeare's 'The Winter's Tale'.

20. Expand the following proverbs:

    (a)  Where there is a will there is a way.

    (b)  Trust Yourself to get success.

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**D–1129**

## DISTANCE EDUCATION

B.Sc. (Information Technology) /B.Sc. (IT) (Lateral Entry)
DEGREE EXAMINATION, DECEMBER 2021.

Fourth Semester

OPEN SOURCE SOFTWARE

(CBCS 2018 – 19 Academic Year Onwards)

Time : Three hours                         Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1.   What is the need of open source software system?

2.   Define Cloning.

3.   What is the need of the field attribute AUTO_INCREMENT?

4.   Write the syntax to drop a MySQL table from command prompt with example.

5.   What is called numeric array in PHP?

6.   Write the mandatory arguments used in PHP mail ( ) function.

7.   Specify the standard data types in Python.

8.   What is function overloading?

9.   List any two features of Perl.

10.  Write the syntax of file open ( ) function.

PART B — (5 × 5 = 25 marks)

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

11. (a) List out the applications of open source systems.

Or

(b) Brief about multiprogramming and its importance.

12. (a) Discuss MySQL Date and Time data type with example.

Or

(b) Create table to store book details with the field's book-id, book-title, author-name and date-of-publishing and insert 6 rows. Use ORDER BY clause to sort multiple rows.

13. (a) What is associative arrays in PHP? Give some example.

Or

(b) Write a PHP program to create text file and write some short text inside it.

14. (a) Discuss basic list operations used in Python with example.

Or

(b) Write a Python function program to calculate total and average of five marks.

15. (a) State the uses of global and local variables in Perl.

Or

(b) Discuss the data types of Perl.

**D–1218**

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

All questions carry equal marks.

16.  Elaborate any four process scheduling algorithms with neat sketch.

17.  List out any five aggregate functions in MySQL and write their syntax give suitable examples.

18.  Discuss various string related functions used in PHP with example code.

19.  Explain loop control statements in Python with example.

20.  Discuss about the important functions in Perl modules.

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**D–1218**

## DISTANCE EDUCATION

B.Sc. (IT)/ B.Sc. (IT) (Lateral Entry) EXAMINATION, DECEMBER 2021.

Fifth Semester

## DISCRETE MATHEMATICS

(CBCS 2018 – 19 Academic Year Onwards)

Time : Three hours                    Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. What is Contradiction?

2. Define Power set.

3. Define Binary relation.

4. What is Transitive relation?

5. What is called restriction of f to A?

6. Define Identify map.

7. What is an Abelian group?

8. What is an In-degree?

9. What is strongly connected graph?

10. Define Subgraph.

PART B — (5 × 5 = 25 marks)

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

11. (a) What are the rules to generate well-formed formula?

Or

(b) Obtain the disjunctive normal form for the following $(Q \vee (P \wedge R)) \wedge \neg ((P \vee R) \wedge Q)$.

12. (a) What is Relation Matrix? Explain with necessary examples.

Or

(b) Write a brief note on Composite relation with an example.

13. (a) Define Composition of function. Explain with example.

Or

(b) What is meant by Hash in function? Give an example.

14. (a) Define isomorphism and automorphism with examples.

Or

(b) Show that every cyclic graph of order 'n' is isomorphic to the group $<Z_n, +n>$.

**D–1219**

15. (a) Define the following with example

    (i) Adjacency matrix

    (ii) Path matrix

Or

(b) Briefly explain the different Probability distribution with examples.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss the various connectives with truth tables.

17. Describe the Properties of a binary relations in a set.

18. Explain the binary and n-ary operation with suitable examples.

19. Given the algebraic system <N, + > and $(Z_4, +4)$, Where N is the set of nature number and + is the Operation of addition on N, show that there exists a homomorphism from <N, +>to <$Z_4$, +4>.

20. State and Prove Bayes' Theorem.

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3         **D–1219**

## DISTANCE EDUCATION

B.Sc. (Information Technology)/ B.Sc. (Information Technology)
(Lateral Entry) DEGREE EXAMINATION, DECEMBER 2021.

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.   Describe the typical elements of the process control block.

2.   Identify the situations for preemption of a process.

3.   Define Busy Waiting.

4.   Give the Peterson's solution to the Critical section problem.

5.   What is a critical section? Give examples.

6.   List the steps of page replacement.

7.   Differentiate Semaphore and Counting Semaphore.

8.   What are the Methods for Handling Deadlocks?

9.   Write short notes on File Attributes.

10.  Define the terms seek time and rotational latency.

PART B — (5 × 5 = 25 marks)

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

11. (a) With a neat diagram, explain the layered structure of operating system.

Or

(b) Explain evolution of operating systems.

12. (a) Distinguish between preemptive and non-preemptive scheduling.

Or

(b) Explain the steps involved in process creation and process termination.

13. (a) What is synchronization? Explain how semaphores can be used to deal with n-process critical section problem.

Or

(b) Give a solution for readers-writers problem using conditional critical regions.

14. (a) How can a system recover from a deadlock? Explain.

Or

(b) Explain the Resource-Allocation Graph Algorithm for deadlock prevention.

15. (a) Describe in detail about variety of techniques used to improve the efficiency and performance of secondary storage.

Or

(b) Explain various file access methods with suitable examples.

2 **D–1220**

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

All questions carry equal marks.

16. Explain the Dual-Mode operation of an operating system.

17. Define Process. Explain various process states with a neat transition diagram.

18. Explain in detail Synchronization implementation in operating systems.

19. How to characterize the structure of deadlock? Explain the two solutions for recovery from deadlock.

20. Compare and contrast free space management and swap space management.

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**D–1220**

## DISTANCE EDUCATION

B.Sc. (Information Technology)/ B.Sc. (Information Technology) (Lateral Entry) DEGREE EXAMINATION, DECEMBER 2021.

Fifth Semester

RELATIONAL DATABASE MANAGEMENT SYSTEM (RDBMS)

(CBCS 2018 – 19 Academic Year Onwards)

Time : Three hours                    Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1.   Expand DDL and DML

2.   List down the queries in DDL.

3.   What is meant by tuple?

4.   Write the query to alter the table.

5.   What is lossless join decomposition?

6.   Write down comparison operators.

7.   Define multiple granularity.

8.   Define atomicity.

9.   What is the use of indexing?

10.  What is tree based indexing?

PART B — (5 × 5 = 25 marks)

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

11.  (a)   Compare Database System and File System.

Or

(b)   Write a note on Data Abstraction.

12.  (a)   Write about Views.

Or

(b)   Illustrate Logical Database design.

13.  (a)   What are the problems caused by redundancy?

Or

(b)   Write the queries for AND, OR, and NOT.

14.  (a)   Write a short note on Buffer Management.

Or

(b)   Discuss shortly on timestamp based protocol.

15.  (a)   Compare different file organizations.

Or

(b)   Write a note on hash based indexing.

PART C — (3 × 10 = 30 marks)
Answer any THREE questions.
All questions carry equal marks.

16.  Discuss in detail on E-R model with neat diagram.

17.  Explain about Join and its types.

**D–1221**

18. What is the use of Normalization? Discuss on 1NF, 2NF, 3NF and BCNF.

19. Explain in detail about ACID property.

20. Elaborately discuss on B+ trees.

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**D–1221**

## DISTANCE EDUCATION

B.Sc. (Information Technology)/ B.Sc. (Information Technology) (Lateral Entry) DEGREE EXAMINATION, DECEMBER 2021.

Sixth Semester

.NET PROGRAMMING

(CBCS 2018 – 19 Academic Year Onwards)

Time : Three hours                    Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1.   Bring out the advantages of CLR.

2.   Write a note on Namespaces in the .NET Framework class Library.

3.   Write an example for Message Box.

4.   List out any four controls in Tool Box.

5.   State the Purpose of using Rich Text Box.

6.   Give a note on creating Menu.

7.   What are Inbuilt Functions? Give example.

8.   Distinguish between Pass by value and Pass by reference.

9.   Point out the advantages of ADO.NET object Model.

10.   What is Dataset? Give an example.

PART B — (5 × 5 = 25 marks)

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

11.  (a)  Elucidate the components of .NET Framework.

Or

(b)  Summarize the setup of working environment in Visual Basic .Net.

12.  (a)  Explicate the properties of Form with example.

Or

(b)  Distinguish between object oriented programming and Event driven programming.

13.  (a)  Explain the following controls with example

(i)  Date Time Picker                    (2.5)

(ii)  Picture Box                          (2.5)

Or

(b)  Elucidate the creation and deletion of menus with example.

14.  (a)  Narrate the concept of Dialog boxes.

Or

(b)  Illuminate MDI in detail.

15.  (a)  How do you create a Database application using ADO.Net?

Or

(b)  Expound briefly on Data provider in ADO.Net Object Model.

2                              **D–1222**

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

All questions carry equal marks.

16. Explicate .NET Framework class Library in detail.

17. Develop a simple calculator program to perform arithmetic operations.

18. Elucidate Mathematical functions with example.

19. Describe Exception handling with suitable example.

20. Illuminate Database access using ADO.NET.

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## DISTANCE EDUCATION

B.Sc. (Information Technology)/ B.Sc. (Information Technology) (Lateral Entry) DEGREE EXAMINATION, DECEMBER 2021.

Sixth Semester

SYSTEM ANALYSIS AND DESIGN

(CBCS 2018 – 19 Academic Year Onwards)

Time : Three hours                     Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1.  Define Open and Closed Systems.

2.  What are the technical skills required for the System Analyst?

3.  Brief any two fact finding techniques.

4.  How is the validity of the data measured?

5.  Define Cohesion and Coupling.

6.  What is a Well Designed Form?

7.  Define Database Design.

8.  List of the Types of relationships between the data.

9.  Define Conversion.

10. What are the sources for Evaluation Process?

PART B — (5 × 5 = 25 marks)

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

11. (a) Bring out the Implementation steps in System Design.

Or

(b) Write short notes on multifaceted role of the Analyst.

12. (a) Distinguish between Decision Table and Structured Chart.

Or

(b) Write Short notes on Cost-Benefit Analysis.

13. (a) Briefly explain the types of Forms with neat Sketch.

Or

(b) Write short notes on Data Classification and Zoning.

14. (a) Explain in brief the Indexed Sequential Organization.

Or

(b) What are the types of System Testing? Explain Briefly.

15. (a) Distinguish between the Maintenance and Enhancement of the System.

Or

(b) What are the Criteria for Software Selection? Explain briefly.

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PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

All questions carry equal marks.

16. Elaborate in detail the various types of computer based information systems.

17. What is Feasibility Study? Explain in detail the steps in Feasibility Analysis.

18. Describe the requirements for a Form Design to communicate effectively.

19. Discuss in detail the test plan and activity network for system testing.

20. Elaborate in detail on the phases covered in file Conversion.

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## DISTANCE EDUCATION

B.Sc. (IT)/ B.Sc. (IT) (Lateral Entry) DEGREE
EXAMINATION, DECEMBER 2021.

Sixth Semester

MULTIMEDIA AND ITS APPLICATIONS

(CBCS 2018 – 19 Academic Year Onwards)

Time : Three hours  Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Difference between multimedia and hypermedia?

2. Define TIFF file format.

3. What is digital video?

4. What is MIDI? How do you use?

5. Define Variable-Length Coding.

6. What are distortion Measures?

7. What is video compression?

8. What is a picture layer?

9. What are the various audio compression techniques?

10. Define multimedia over IP.

PART B — (5 × 5 = 25 marks)

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

11. (a) Explain Color Models in images.

Or

(b) Explain Color-models in videos.

12. (a) Explain types of video signals.

Or

(b) Give brief account on Digitization of sound.

13. (a) Discuss dictionary based coding.

Or

(b) Write a brief note on Lossless Image Compression.

14. (a) Explain Hierarchical Search in video compression technique.

Or

(b) Give the brief account Motion Compensation in MPEG-1.

15. (a) Explain overview of multimedia network.

Or

(b) Explain briefly about multimedia networks applications.

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PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

All questions carry equal marks.

16.  Discuss details the various Image Data Types.

17.  Explain structure of MIDI messages.

18.  Explain Huffman Coding.

19.  Describe the search for motion vectors in video compression.

20.  Elaborately discuss Media-On-Demand (MOD).

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