[Total No. of Pages :2

3-3-108-R20

THREE YEAR B.Sc. DEGREE EXAMINATION, DECEMBER - 2024
CHOICE BASED CREDIT SYSTEM
THIRD SEMESTER
PART - II : COMPUTER SCIENCE
PAPER-C3 : Database Management Systems
(Under CBCS New Regulation w.e.f. the Academic Year 2021-22)

Time : 3 Hours **Max. Marks : 75**

Note: This question paper contains two parts A and B.
Part-A is compulsory which carries 25 marks. Answer any five of the following questions in Part-A.
Part-B consists of 5 Units. Answer any one question from each unit. Each question carries 10 marks.

PART - A

Answer any Five of the following questions. Each question carries equal marks. **(5×5=25)**

1. Define DBMS. List any three applications.
2. What are the various data models?
3. Write a short note on classification of entity sets.
4. What are the attribute classification?
5. Discuss in detail about relational data model.
6. Explain the different keys.
7. Write a short note on Data Definition Language.
8. Brief discuss about Shortcomings of SQL.

PART - B

Answer All questions. Each question carries equal marks. **(5×10=50)**

UNIT - I

9. a) What are the Drawbacks of file-Based System?

(OR)

b) Classification of Database Management Systems.

UNIT - II

10. a) Explain in detail about E-R Diagrams. What are the Structure of PL/SQL?

(OR)

b) What are the advantages of ER modeling.

UNIT - III

11. a) Explain different CODD Rules.

(OR)

b) What are the limitations of relational algebra?

UNIT - IV

12. a) Explain different Commands in SQL.

(OR)

b) Explain different Join Operations in SQL.

UNIT - V

13. a) Explain the Structure of PL/SQL.

(OR)

b) Explain the different Types of Triggers in SQL.

3-5-111

[Total No. of Pages : 2

THREE YEAR B.Sc. DEGREE EXAMINATIONS, JANUARY - 2024

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

PART - I: COMPUTER SCIENCE

Paper-II: Data Base Management System

(Under Regulation 2017-18 Supplementary)

(For candidates who appeared in 2020 exams or earlier)

Time : 3 Hours **Max. Marks : 75**

SECTION-A

Answer any five of the following questions. Each question carries equal marks.

(5 × 5 = 25)

1. Write about data and Information?
2. What are the Situations where DBMS is not necessary?
3. What are the advantages of ER-Modeling?
4. Write about Relationship Classification?
5. What is Functional Dependency?
6. What are the advantages of Relational Algebra?
7. Explain about Sub Query?
8. What are the Shortcomings in SQL?

SECTION- B

Answer ONE question from each Unit. Each question carries equal marks.

(5 × 10= 50)

UNIT - I

9. Explain about Objectives and Evaluation of DBMS?

(OR)

10. What is File-based System? What are the Drawbacks of File-based System?

UNIT - II

11. Write about the Building blocks of an ER-Diagram?

(OR)

12. Write about the following:

    i) ISA relationship and Attribute Inheritance

    ii) Aggregation and Composition.

UNIT - III

13. What is Normalization? Write about different Normal Forms?

(OR)

14. What is Relational Model? Explain about CODD Rules?

UNIT - IV

15. Write about DDL and DML Commands?

(OR)

16. Briefly explain about different Join Operations in SQL?

UNIT - V

17. What is the Structure of PL/SQL and Explain about Data Types in PL/SQL?

(OR)

18. What are Database Triggers? Explain about Different Types of Triggers?

[Total No. of Pages : 2

3-5-108-6A-R20

THREE YEAR B.Sc. DEGREE EXAMINATION, JANUARY - 2024

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

PART - II : COMPUTER SCIENCES

PAPER - 6A : WEB INTERFACE DESIGNING TECHNOLOGIES

(Under CBCS New Regulation w.e.f. the academic year 2022-23)

Time : 3 Hours **Max. Marks : 75**

Note: This question paper contains **two** parts A and B.
Part A is compulsory which Carries **25** marks. Answer any **FIVE** of the following questions. in Part A.
Part B consists of **5** units. Answer **one** full question (**a** or **b**) from **each** unit (i.e., Q. No. **9** from Unit - I, Q. No. **10** from Unit - II, Q.No. **11** from Unit - III, Q.No. **12** from Unit - IV, Q. No. **13** from Unit - V). Each question carries **10** marks.

PART - A

Answer any **FIVE** of the following questions. Each question carries **equal** marks. **(5×5=25)**

1. Explain the difference between web applications and desktop applications.
2. What is the role of HTML elements?
3. Describe two different input types in HTML and provide use cases for each.
4. List three new features introduced in HTML5.
5. Define Javascript and explain its role in web development.
6. Outline the basic steps for installing WordPress on a local server.
7. Explain how to set a featured image for a post or page?
8. Describe two methods for adding external links in WordPress content.

PART - B

Answer **All** the questions. Each question carries **equal** marks. **(5×10=50)**

Unit - I

9. a) Explain the role of forms in HTML, detailing the essential form elements and their attributes.

(OR)

b) Define semantic HTML. and provide examples of semantic elements.

Unit - II

10. a) Compare and contrast the use of the <img> element and the CSS background image.

(OR)

b) Discuss the advantages of using Flex box in CSS for layout design.

Unit - III

11. a) Explain the purpose of exception handling in Javascript. Give examples of using **try**, **catch**, and **finally** blocks in handling exceptions.

(OR)

b) Describe how DHTML can be used to create interactive navigation menus.

Unit - IV

12. a) Explain how the WordPress editor is used for creating and editing content.

(OR)

b) Discuss the importance of proper media management in a WordPress site.

Unit - V

13. a) Discuss the role of CSS in customizing the appearance of a WordPress site.

(OR)

b) Describe the process of creating a custom page template in WordPress.

[Total No. of Pages : 2

3-3-108D-R23

FOUR YEAR B.Sc. (HONOURS) DEGREE EXAMINATION,
DECEMBER - 2024
CHOICE BASED CREDIT SYSTEM
THIRD SEMESTER - MAJOR
PART - II : COMPUTER SCIENCE
PAPER-8: OPERATING SYSTEMS

(Under CBCS New Regulation w.e.f. the academic year 2023-24)

Time : 3 Hours **Max. Marks : 75**

SECTION - A

Answer any Five of the Following Questions. Each question carries equal marks. **(5×5=25)**

1. Give a short note on BIOS.
2. Discuss Real-Time Systems.
3. Give a simple understanding between operating system and kernel.
4. Write a short note system Call.
5. Define Deadlock with a simple illustration.
6. Define Semaphore with example.
7. Give a short note page fault.
8. Discuss the need of virtual memory.
9. List five (5) file operations.
10. Give a short note on Pipe with examples.

SECTION - B

Answer All questions. Each question carries equal marks. **(5×10=50)**

11. a) Enumerate and explain operating system functions.

(OR)

b) Illustrate and explain context switching between processes.

12. a) Explain multithreading with neat illustrations.

(OR)

b) Explain process scheduling with their performance comparison.

13. a) Explain Deadlock prevention with necessary steps and illustrations.

(OR)

b) Explain process synchronization with the support of Producer-Consumer problem.

14. a) Illustrate and explain paging in detail.

(OR)

b) Enumerate and explain various memory allocation strategies.

15. a) Illustrate and explain various directory structures.

(OR)

b) Explain Unix INode with neat illustration.

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3-3-108C-R23

FOUR YEAR B.Sc. (HONOURS) DEGREE EXAMINATION, DECEMBER - 2024

THIRD SEMESTER - MAJOR

PART - II : COMPUTER SCIENCE

PAPER-7: COMPUTER ORGANIZATION

(Under CBCS New Regulation w.e.f. the academic year 2023-24)

Time : 3 Hours **Max. Marks : 75**

SECTION - A

Answer any Five of the following questions. Each question carries equal marks. **(5×5=25)**

1. Define register transfer language and explain its significance in computer architecture.
2. What are micro-operations, and how do they relate to arithmetic logic shift units?
3. Describe the different types of addressing modes used in CPU instruction formats.
4. Compare and contrast hardwired control and microprogrammed control in CPU design.
5. Explain the concept of memory hierarchy and its importance in computer organization.
6. What is cache memory, and how does mapping affect its performance?
7. What are the different modes of I/O transfer, and how do they differ from one another?
8. Describe the role of priority interrupt in input-output organization.
9. Explain the differences between fixed-point and floating-point data representation with examples.
10. What is pipelining in parallel processing, and how does it improve computational efficiency?

SECTION - B

Answer All questions. Each question carries equal marks. **(5×10=50)**

11. a) Discuss the role of functional units in a computer and their impact on overall performance.

(OR)

b) Explain how register transfer language facilitates communication between different components of a computer.

12. a) Describe the instruction cycle in detail and its significance in executing programs.

(OR)

b) Analyse various addressing modes and their implications for programming and CPU design.

13. a) Explain the architecture and purpose of a microprogrammed control unit in the CPU.

(OR)

b) Discuss the memory hierarchy in computing.

14. a) Illustrate and explain different modes of I/O transfer.

(OR)

b) Describe the significance of priority interrupts in managing input-output operations.

15. a) Explain floating-point arithmetic in detail.

(OR)

b) Discuss the principles of pipelining in parallel processing and its effects on computational speed and efficiency.

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3-3-108A-R23

FOUR YEAR B.Sc. (HONOURS) DEGREE EXAMINATION, DECEMBER - 2024
CHOICE BASED CREDIT SYSTEM
THIRD SEMESTER-MAJOR
PART - II : COMPUTER SCIENCE
PAPER-5: OBJECT ORIENTED PROGRAMMING USING JAVA
(Under CBCS New Regulation w.e.f. the academic year 2023-24)

Time : 3 Hours **Max. Marks : 75**

SECTION - A

Answer any Five of the following questions. Each question carries equal marks. **(5×5=25)**

1. Give a brief note on type conversion with examples
2. Give a simple understanding on Java Environment.
3. Write a short note on command line arguments with example.
4. Discuss the need of Super Class.
5. Give a simple understanding of Abstract Classes using real examples.
6. List out the differences between *throw* and *throws* using examples
7. What are the differences between multiple processes and multithreading.
8. Discuss the need of interrupting threads.
9. Discuss the need of Stream classes.
10. Give a short note on *Java.io.**

SECTION - B

Answer All questions. Each question carries equal marks. **(5×10=50)**

11. a) Write a detailed note on Object Oriented Concepts.

(OR)

b) Write a program to read an input with Java.util.Scanner class.

12. a) Explain package String class methods using coding examples.

(OR)

b) Enumerate and explain various kinds of Inheritance using neat illustrations.

13. a) Explain the process of implementing Interfaces using coding examples.

(OR)

b) Give a detailed note on Try and Catch blocks.

14. a) Illustrate and explain various thread states.

(OR)

b) Explain the process of creating threads using Runnable

15. a) Give a detailed note on File Class.

(OR)

b) Explain the process of working with Byte Streams.

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3-5-111

THREE YEAR B.Sc. DEGREE EXAMINATIONS, JANUARY - 2024

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

PART - I: COMPUTER SCIENCE

Paper-II: Data Base Management System

(Under Regulation 2017-18 Supplementary)

(For candidates who appeared in 2020 exams or earlier)

Time : 3 Hours **Max. Marks : 75**

SECTION-A

Answer any five of the following questions. Each question carries equal marks.

(5 × 5 = 25)

1. Write about data and Information?
2. What are the Situations where DBMS is not necessary?
3. What are the advantages of ER-Modeling?
4. Write about Relationship Classification?
5. What is Functional Dependency?
6. What are the advantages of Relational Algebra?
7. Explain about Sub Query?
8. What are the Shortcomings in SQL?

SECTION- B

Answer ONE question from each Unit. Each question carries equal marks.

(5 × 10= 50)

UNIT - I

9. Explain about Objectives and Evaluation of DBMS?

(OR)

10. What is File-based System? What are the Drawbacks of File-based System?

UNIT - II

11. Write about the Building blocks of an ER-Diagram?

(OR)

12. Write about the following:

    i) ISA relationship and Attribute Inheritance

    ii) Aggregation and Composition.

UNIT - III

13. What is Normalization? Write about different Normal Forms?

(OR)

14. What is Relational Model? Explain about CODD Rules?

UNIT - IV

15. Write about DDL and DML Commands?

(OR)

16. Briefly explain about different Join Operations in SQL?

UNIT - V

17. What is the Structure of PL/SQL and Explain about Data Types in PL/SQL?

(OR)

18. What are Database Triggers? Explain about Different Types of Triggers?

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THREE YEAR B.A./B.Com./B.Sc. (Computer Applications)
DEGREE EXAMINATION, JANUARY-2024
CHOICE BASED CREDIT SYSTEM
FIFTH SEMESTER
PART - I - COMPUTER APPLICATIONS
PAPER - II : 5.4 - DATA BASE MANAGEMENT SYSTEM

(Common For B.Com. Computer Applications Elective - II)

(Under Regulation 2017-18 supplementary)

(For candidates who appeared in 2020 exams or earlier)

Time : 3 Hours **Max. Marks : 75**

SECTION - A
విభాగము - ఎ

Answer any **Five** of the following. Each question carries of equal marks. **(5×5=25)**

కింది వాటిలో ఏవైనా ఐదింటికి సమాధానం ఇవ్వండి. ప్రతి ప్రశ్నకు సమాన మార్కులు ఉంటాయి.

1. Write about data and information?
   డేటా మరియు సమాచారం గురించి రాయండి?
2. Write advantages of DBMS?
   DBMS యొక్క ప్రయోజనాలను రాయండి?
3. Write about Data Models?
   డేటా మోడల్స్ గురించి రాయండి?
4. Write about Relational integrity?
   రిలేషనల్ ఇంటిగ్రిటీ గురించి రాయండి?
5. Write about 3NF and BCNF?
   3NF మరియు BCNF గురించి రాయండి?
6. Write about DDL commands?
   DDL కమాండ్‌ల గురించి రాయండి?
7. Write about steps to create PL/SQL program?
   PL/SQL ప్రోగ్రామ్ సృష్టించడానికి దశల గురించి రాయండి?
8. Explain the structure of PL/SQL?
   PL/SQL యొక్క స్ట్రక్చర్ వివరించండి?

SECTION - B

విభాగము - బి

Answer **One** question from each unit. Each question carries equal marks. **(5×10=50)**

ప్రతి యూనిట్ నుంచి ఒక ప్రశ్నకు సమాధానం ఇవ్వండి. ప్రతి ప్రశ్నకు సమాన మార్కులు ఉంటాయి.

UNIT - I

9. Write about evoluton of database management systems?
డేటాబేస్ మేనేజ్‌మెంట్ సిస్టమ్స్ యొక్క ఎవాల్యూయేషన్ గురించి రాయండి?

(OR/లేదా)

10. Explain about classification of Database Management System?
డేటాబేస్ మేనేజ్‌మెంట్ సిస్టమ్ యొక్క వర్గీకరణ గురించి వివరించండి?

UNIT - II

11. What is File-Based System? Write about Drawbacks of File - Based System?
ఫైల్ ఆధారిత వ్యవస్థ అంటే ఏమిటి? ఫైల్ ఆధారిత సిస్టమ్ యొక్క లోపాల గురించి రాయండి?

(OR/లేదా)

12. Write about DBMS Vendors and their products?
DBMS విక్రేతలు మరియు వారి ఉత్పత్తులు గురించి రాయండి?

UNIT - III

13. Write about Relationship Degree and Relationship Classifications?
రిలేషన్ షిప్ డిగ్రీ మరియు రిలేషన్ షిప్ క్లాసిఫికేషన్‌ల గురించి రాయండి?

(OR/లేదా)

14. Explain about Generalization and specialization?
జనరలైజేషన్ మరియు స్పెషలైజేషన్ గురించి వివరించండి?

UNIT - IV

15. Write about DML and Table Truncation Commands?
DML మరియు టేబుల్ ట్రుంకేషన్ కమాండ్‌ల గురించి రాయండి?

(OR/లేదా)

16. Briefly explain about SET Operations?
సెట్ ఆపరేషన్లు గురించి క్లుప్తంగా వివరించండి?

UNIT - V

17. Explain about Exception Handling in PL/SQL?
PL/SQL లో ఎక్సెప్షన్ హ్యాండ్లింగ్ గురించి వివరించండి?

(OR/లేదా)

18. Write about Procedures and Functions in PL/SQL?
PL/SQL లోని ప్రొసీజర్స్ అండ్ ఫంక్షన్స్ గురించి రాయండి?

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3-3-108B-R23

FOUR YEAR B.Sc. (HONOURS) DEGREE EXAMINATION,
DECEMBER - 2024
CHOICE BASED CREDIT SYSTEM
THIRD SEMESTER - MAJOR
PART - II : COMPUTER SCIENCE
PAPER-6: DATA STRUCTURES USING C

(Under CBCS New Regulation w.e.f. the Academic Year 2023-24)

Time : 3 Hours **Max. Marks : 75**

SECTION - A

Answer any Five of the following questions. Each question carries equal marks. **(5×5=25)**

1. What is an algorithm, and what are its key characteristics?
2. Define space complexity and time complexity.
3. What is a linked list, and how is it represented in memory?
4. Compare singly linked lists and doubly linked lists. Illustrate.
5. List five (5) potential applications of stack.
6. List five (5) potential applications of queue.
7. What is the difference between linear search and binary search?
8. Briefly describe the bubble sort algorithm and its time complexity.
9. What is a binary tree, and what are its basic properties?
10. Describe the difference between depth-first search (DFS) and breadth-first search (BFS) in graph traversal.

SECTION - B

Answer All questions. Each question carries equal marks. **(5×10=50)**

11. a) Discuss the importance of algorithm analysis, focusing on time and space complexity with examples.

(OR)

b) Explain asymptotic notation and its role in algorithm analysis.

12. a) Describe the various types of linked lists and their advantages over arrays, along with their applications.

(OR)

b) Explain the operations that can be performed on linked lists with algorithms.

13. a) Discuss stack implementation using arrays and linked lists, along with their applications in computer science.

(OR)

b) Compare and contrast the operations of a queue represented with an array and a linked list.

14. a) Provide an overview of the various sorting algorithms, including their time complexities and use cases.

(OR)

b) Discuss the advantages and disadvantages of quick sort and merge sort.

15. a) Explain the concept of binary trees, including their types and applications.

(OR)

b) Write a detailed note on Breadth First Search (BFS) with neat illustrations.

[Total No. of Pages :2

3-3-108E-R23

FOUR YEAR B.Sc. (HONOURS) DEGREE EXAMINATION, DECEMBER - 2024

CHOICE BASED CREDIT SYSTEM

THIRD SEMESTER - MAJOR

PART - II : COMPUTER SCIENCE

Paper-5: Object Oriented Programming Using Java

(Under CBCS New Regulation w.e.f. the academic year 2023-24)

Time : 3 Hours **Max. Marks : 75**

SECTION - A

Answer any Five of the following questions. Each question carries equal marks. **(5×5=25)**

1. Java is strongly typed language. Justify.
2. Describe the Java Runtime Environment (JRE) and its components.
3. Provide an overview of command line arguments and how they are utilized in Java applications.
4. Discuss the significance of a Base Class in object-oriented programming.
5. Explain the concept of interfaces in Java, using practical examples.
6. Compare and contrast the Final and Finally keywords.
7. Compare and contrast multithreading and its advantages over multiple processes.
8. Explain the importance of thread synchronization in concurrent programming.
9. Discuss the functionality and benefits of Java's Input/Output Stream classes.
10. Provide an overview of the Scanner class and its uses.

SECTION - B

Answer All questions. Each question carries equal marks. **(5×10=50)**

11. a) Compare and contrast Procedural vs Object Oriented Paradigms.

(OR)

b) Explain control statements in Java.

12. a) Explain the process of creating and accessing Arrays in Java.

(OR)

b) Enumerate and explain various kinds of Polymorphism using neat illustrations.

13. a) Explain the process of defining, creating and accessing a package in Java.

(OR)

b) Give a detailed note on exception handling in Java.

14. a) Illustrate and explain thread life cycle.

(OR)

b) Explain the process of creating threads using Thread Class.

15. a) Give a detailed note on accessing Character Input Streams.

(OR)

b) Explain the process of working with external Files.

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3-5-108-6A-R20

THREE YEAR B.Sc. DEGREE EXAMINATION, JANUARY - 2024

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

PART - II : COMPUTER SCIENCES

PAPER - 6A : WEB INTERFACE DESIGNING TECHNOLOGIES

(Under CBCS New Regulation w.e.f. the academic year 2022-23)

Time : 3 Hours **Max. Marks : 75**

Note: This question paper contains **two** parts A and B.
Part A is compulsory which Carries **25** marks. Answer any **FIVE** of the following questions. in Part A.
Part B consists of **5** units. Answer **one** full question (**a** or **b**) from **each** unit (i.e., Q. No. **9** from Unit - I, Q. No. **10** from Unit - II, Q.No. **11** from Unit - III, Q.No. **12** from Unit - IV, Q. No. **13** from Unit - V). Each question carries **10** marks.

PART - A

Answer any **FIVE** of the following questions. Each question carries **equal** marks. **(5×5=25)**

1. Explain the difference between web applications and desktop applications.
2. What is the role of HTML elements?
3. Describe two different input types in HTML and provide use cases for each.
4. List three new features introduced in HTML5.
5. Define Javascript and explain its role in web development.
6. Outline the basic steps for installing WordPress on a local server.
7. Explain how to set a featured image for a post or page?
8. Describe two methods for adding external links in WordPress content.

PART - B

Answer **All** the questions. Each question carries **equal** marks. **(5×10=50)**

Unit - I

9. a) Explain the role of forms in HTML, detailing the essential form elements and their attributes.

(OR)

b) Define semantic HTML. and provide examples of semantic elements.

Unit - II

10. a) Compare and contrast the use of the <img> element and the CSS background image.

(OR)

b) Discuss the advantages of using Flex box in CSS for layout design.

Unit - III

11. a) Explain the purpose of exception handling in Javascript. Give examples of using **try**, **catch**, and **finally** blocks in handling exceptions.

(OR)

b) Describe how DHTML can be used to create interactive navigation menus.

Unit - IV

12. a) Explain how the WordPress editor is used for creating and editing content.

(OR)

b) Discuss the importance of proper media management in a WordPress site.

Unit - V

13. a) Discuss the role of CSS in customizing the appearance of a WordPress site.

(OR)

b) Describe the process of creating a custom page template in WordPress.

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THREE YEAR B.Sc. DEGREE EXAMINATION, JANUARY - 2024

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

PART - II : COMPUTER SCIENCES

PAPER-7A: WEB APPLICATIONS DEVELOPMENT USING PHP AND MYSQL

(Under CBCS New Regulation w.e.f. the academic year 2022-23)

Time : 3 Hours **Max. Marks : 75**

NOTE: This question paper contains two parts A and B.

Part A is compulsory and Carries **25** marks. Answer any **Five** of the following questions. in Part A.

Part B consists of 5 units. Answer one full question (a or b) from each unit (i.e., Q. No. 9 from Unit - I, Q. No. 10 from Unit - II, Q.No. 11 from Unit - III, Q.No. 12 from Unit - IV, Q. No. 13 from Unit - V). Each question carries **10** marks.

PART - A

Answer any FIVE of the following questions. Each question carries equal marks.

(5 × 5 = 25)

1. List the functions of PHP script
2. Describe various PHP functions to sort an array
3. How to create an array using assignment statement?
4. Write in brief about access modifiers
5. What is method overloading?
6. Write short notes on reflection
7. Define client server database
8. List the date and time functions of MYSQL

PART - B

Answer All the questions. Each Question carries equal marks. **(5×10=50)**

Unit - I

9. a) What are the steps involved in creating a first PHP script?

(OR)

b) List the flow control functions that are used to search the strings.

Unit - II

10. a) Explain about Arrays in detail with examples.

(OR)

b) Write about formatting strings with PHP.

Unit - III

11. a) Explain how to create forms?

(OR)

b) Explain how to create cookies?

Unit - IV

12. a) Explain file handling in PHP

(OR)

b) Explain reading and writing the binary data in a file.

Unit - V

13. a) Explain the basics of connecting and retrieving data from MYSQL using PHP

(OR)

b) How to manipulate MYSQL data with PHP?

[Total No. of Pages : 2

3-1-108-R20

THREE YEAR B.Sc. DEGREE EXAMINATION,

DECEMBER /JANUARY- 2024/25

CHOICE BASED CREDIT SYSTEM

FIRST SEMESTER

PART - II : COMPUTER SCIENCES

PAPER - I : PROBLEM SOLVING IN C

(Under Regulation 2020-21 Supplementary)

(For Candidates who appeared in 2020-2023 batch only)

Time : 3 Hours **Max. Marks : 75**

Note : **This question paper contains Two parts A and B.**
Part - A is compulsory which carries 25 marks. Answer any Five of the following questions in Part A.
Part - B consists of 5 Units. Answer One full question (A or B) from each unit (i.e., Q.No. 9 from Unit - I Q. No 10 from Unit - II, Q. No. 11 from Unit - III, Q.No. 12 from Unit - IV, Q.No. 13 from Unit - V). Each question carries 10 marks.

PART - A

Answer any Five of the following questions. Each question carries equal marks. **(5×5=25)**

1. Differentiate between super computer and mainframe computer.
2. Explain the concept of structured programming.
3. Write in brief about comments line.
4. Difference between character array and string.
5. Explain about recursion with an example program.
6. Define union and give the syntax of union.
7. How is structure different from an array.
8. Give a short note on dynamic memory allocation.

PART - B

Answer All questions . Each question carries equal marks. **(5×10=50)**

9. a) Explain the block diagram of computer.

(OR)

b) Define algorithm. And explain in detail about different ways of starting an algorithm.

10. a) Describe the structure of C language.

(OR)

b) Explain in detail about iterative statements.

11. a) What is multi-dimensional array? Explain how it declared and initialized and accessed.

(OR)

b) Explain string function in C language with example program.

12. a) What is the need for function. Explain the elements of functions.

(OR)

b) Explain structure in C language with example.

13. a) Explain in detail about pointers and its uses.

(OR)

b) Write in detail about files in C language.

[Total No. of Pages : 2

3-3-108-R20

THREE YEAR B.Sc. DEGREE EXAMINATIONS, MARCH/APRIL - 2023

CHOICE BASED CREDIT SYSTEM

THIRD SEMESTER

PART-II : COMPUTER SCIENCE

PAPER-C3: Database Management Systems

(Under CBCS New Regulation w.e.f. the academic year 2021-22)

Time : 3 Hours **Max. Marks : 75**

Note: 1. This question paper contains TWO parts A and B.

2. Part A is compulsory which carries 25 marks. Answer any FIVE questions in Part A.

3. Part B consists of 5 Units. Answer any one question from each unit. Each question carries 10 marks.

PART -A

Answer any FIVE of the following questions. **(5×5=25)**

1. What is database?
2. Write about database management systems.
3. What is generalization?
4. Define Transitive Dependency.
5. What is Primary key?
6. Write about Composite attribute.
7. Define SQL and PL/SQL.
8. Define Trigger.

PART - B

Answer All the questions. Each question carries 10 marks. **(5×10=50)**

UNIT-I

9. a) Write about three schema architecture of data base.

(OR)

b) Write the costs and risks of database approach.

UNIT-II

10. a) Write about the relationship degree.

(OR)

b) Write the building blocks of an entity relationship diagram.

UNIT-III

11. a) Discuss E.F.CODD Rules.

(OR)

b) Discuss the limitations of relational algebra.

UNIT-IV

12. a) Write about various kinds of Joins in SQL with examples.

(OR)

b) Define View. Write the View operations.

UNIT-V

13. a) Explain the Steps to Create a PL/SQL.

(OR)

b) Define Trigger and explain various types of triggers.

[Total No. of Printed Pages-2

2-07(3)-R20

THREE YEAR B.A./B.Com./B.Com. (SPECIALISATION)/B.Sc./B.Sc. (Home Science)/B.C.A./B.B.A./B.Dance/B.Music/B.A.(OL)/B.H.M./ FOOD PROCESSING TECHNOLOGY/ DAIRYING AND ANIMAL HUSBANDRY/HORTICULTURE DEGREE EXAMINATION, JULY-2023

CHOICE BASED CREDIT SYSTEM

SECOND SEMESTER

PART - I (C) : LIFE SKILL COURSE

PAPER - III : Information and Communication Technology

(Under CBCS New Regulation w.e.f. the academic year 2020-21)

Time : 1½ Hours **Maximum Marks : 50**

PART - A
భాగము – ఎ

Answer any **FOUR** questions. Each answer carries 5 marks. (4×5=20)
ఏవైనా **నాలుగు** ప్రశ్నలకు సమాధానములు వ్రాయుము. ప్రతి ప్రశ్నకు **5** మార్కులు.

1. Explain the Internet Addressing with example.
ఇంటర్నెట్ చిరునామాను ఉదాహరణతో వివరించండి.

2. Discuss in detail about Google Slides.
గూగుల్ స్లయిడ్‌ల గురించి వివరంగా చర్చించండి.

3. What is Firewalls?
ఫైర్‌వాల్స్ అంటే ఏమిటి?

4. Discuss in detail about You Tube and Whats App.
You Tube మరియు Whats App గురించి వివరంగా చర్చించండి.

5. Explain in detail about National Digital Library of India.
నేషనల్ డిజిటల్ లైబ్రరీ ఆఫ్ ఇండియా గురించి వివరంగా వివరించండి.

6. What are the applications of Internet.
ఇంటర్‌నెట్ యొక్క అప్లికేషన్లు ఏమిటి?

7. Explain in detail about Cryptography.
క్రిప్టోగ్రఫీ గురించి వివరంగా వివరించండి.

8. Discuss in detail about Mail Management.
మెయిల్ నిర్వహణ గురించి వివరంగా చర్చించండి.

PART - B
భాగము – బి

Answer any **THREE** questions. Each answer carries 10 marks. **(3×10=30)**
ఏవైనా **మూడు** ప్రశ్నలకు సమాధానములు వ్రాయుము. ప్రతి ప్రశ్నకు 10 మార్కులు.

9. What is Internet? Explain the advantages of Internet.
ఇంటర్‌నెట్ అంటే ఏమిటి? ఇంటర్‌నెట్ యొక్క ప్రయోజనాలు వివరించండి.

10. Explain in detail about Google spread sheets with example.
గూగుల్ స్ప్రెడ్ షీట్‌ల గురించి ఉదాహరణతో వివరంగా వివరించండి.

11. Discuss in detail about Linked In and Skype.
లింక్డ్ ఇన్ మరియు స్కైప్ గురించి వివరంగా చర్చించండి.

12. Discuss in detail about SWAYAM, e-Yantra and NPTEL.
SWAYAM, e-Yantra మరియు NPTEL గురించి వివరంగా చర్చించండి.

13. Explain in detail about Viruses and Antivirus.
వైరస్‌లు మరియు యాంటీవైరస్‌ల గురించి వివరంగా వివరించండి.

[Total No. of Pages : 2

3-1-108-R20

THREE YEAR B.Sc. DEGREE EXAMINATION, MARCH/APRIL -2023

CHOICE BASED CREDIT SYSTEM

FIRST SEMESTER

PART - II : COMPUTER SCIENCES

PAPER - I : PROBLEM SOLVING IN C

(Under CBCS New Regulation w.e.f. the academic year 2020-21)

Time : 3 Hours **Max. Marks : 75**

Note : 1. This question paper contains two parts A and B.

2. Part A is compulsory which carries 25 marks. Answer any **FIVE** questions in Part A.

3. Part B consists of 5 units. Answer any one full question from each unit. Each question carries 10 marks.

PART - A

భాగము - ఎ

Answer any **Five** of the following questions. Each question carries **equal** marks. (5×5=25)

క్రింది ప్రశ్నలలో ఏవైనా **ఐదు** ప్రశ్నలకు సమాధానములు వ్రాయండి. ప్రతి ప్రశ్నకు మార్కులు **సమానము.**

1. Explain the structure of a C program.
C ప్రోగ్రామ్ యొక్క నిర్మాణాన్ని వివరించండి.

2. What are the limitations of computers?
కంప్యూటర్ల పరిమితులు ఏమిటి?

3. Write about special control statements 'break' with example.
ప్రత్యేక నియంత్రణ ప్రకటనల 'బ్రేక్' గురించి ఉదాహరణతో వ్రాయండి.

4. What is a function? What are the uses of functions?
ఫంక్షన్ అంటే ఏమిటి? ఫంక్షన్ల ఉపయోగాలు ఏమిటి?

5. What is binary file in 'C'?
'C' లో బైనరీ ఫైల్ అంటే ఏమిటి?

6. Write a short notes on Go to Statement.
గో టు స్టేట్‌మెంట్ పై చిన్న గమనికలను వ్రాయండి.

7. Write about Go-to Statements.
Statements గురించి వ్రాయండి.

8. Explain various types of scopes.
వివిధ రకాల స్కోప్‌లను వివరించండి.

PART - B

భాగము – బి

Answer **All** questions. Each question carries **equal** marks. *(5×10=50)*

అన్ని ప్రశ్నలకు సమాధానములు వ్రాయండి. ప్రతి ప్రశ్నకు **సమాన** మార్కులు ఉంటాయి.

UNIT-I

9. a) Explain difference between high - level language and low - level language.
ఉన్నత – స్థాయి భాష మరియు తక్కువ – స్థాయి భాష మధ్య వ్యత్యాసాన్ని వివరించండి.

(OR/లేదా)

b) Explain about different types of computers.
వివిధ రకాల కంప్యూటర్ల గురించి వివరించండి.

UNIT-II

10. a) Explain in detail about different Data Types in C.
C లోని వివిధ డేటా రకాల గురించి వివరంగా వివరించండి.

(OR/లేదా)

b) What is a constant? What are different types of 'C' constants?
స్థిరాంకం అంటే ఏమిటి? వివిధ రకాల 'C' స్థిరాంకాలు ఏమిటి?

UNIT-III

11. a) Explain in detail about Accessing elements of the Array.
అర్రే యొక్క ఎలిమెంట్లను యాక్సెస్ చేయడం గురించి వివరంగా వివరించండి.

(OR/లేదా)

b) What do you know about arrays? Explain.
శ్రేణుల గురించి మీకు ఏమి తెలుసు? వివరించండి.

UNIT-IV

12. a) What are the different types of storage classes with simple example?
సాధారణ ఉదాహరణతో వివిధ రకాల నిల్వ తరగతులు ఏవి?

(OR/లేదా)

b) Explain in detail about Dynamic memory allocation.
డైనమిక్ మెమోరీ కేటాయింపు గురించి వివరంగా వివరించండి.

UNIT-V

13. a) Explain streams I/O model in files.
ఫైల్‌లలో స్ట్రీమ్‌ల I/O మోడల్‌ని వివరించండి.

(OR/లేదా)

b) Discuss in detail about files of records.
రికార్డుల ఫైళ్ల గురించి వివరంగా చర్చించండి.

[Total No. of Pages : 2

THREE YEAR B.Sc. DEGREE EXAMINATION, MARCH/APRIL -2023
CHOICE BASED CREDIT SYSTEM
FIRST SEMESTER
PART - II : COMPUTER SCIENCES
PAPER - I : PROBLEM SOLVING IN C

(Under CBCS New Regulation w.e.f. the academic year 2020-21)

Time : 3 Hours **Max. Marks : 75**

Note : 1. This question paper contains **two** parts A and B.
2. Part A is compulsory which carries 25 marks. Answer any **FIVE** questions in Part A.
3. Part B consists of 5 units. Answer any one full question from each unit. Each question carries 10 marks.

PART - A
భాగము - ఎ

Answer any **Five** of the following questions. Each question carries **equal** marks. (5×5=25)
క్రింది ప్రశ్నలలో ఏవైనా **ఐదు** ప్రశ్నలకు సమాధానములు వ్రాయండి. ప్రతి ప్రశ్నకు మార్కులు **సమానము.**

1. Explain the structure of a C program.
C ప్రోగ్రామ్ యొక్క నిర్మాణాన్ని వివరించండి.
2. What are the limitations of computers?
కంప్యూటర్ల పరిమితులు ఏమిటి?
3. Write about special control statements 'break' with example.
ప్రత్యేక నియంత్రణ ప్రకటనల 'బ్రేక్' గురించి ఉదాహరణతో వ్రాయండి.
4. What is a function? What are the uses of functions?
ఫంక్షన్ అంటే ఏమిటి? ఫంక్షన్ల ఉపయోగాలు ఏమిటి?
5. What is binary file in 'C'?
'C' లో బైనరీ ఫైల్ అంటే ఏమిటి?
6. Write a short notes on Go to Statement.
గో టు స్టేట్‌మెంట్ పై చిన్న గమనికలను వ్రాయండి.
7. Write about Go-to Statements.
Statements గురించి వ్రాయండి.
8. Explain various types of scopes.
వివిధ రకాల స్కోప్‌లను వివరించండి.

PART - B

భాగము - బి

Answer **All** questions. Each question carries **equal** marks. (5×10=50)

అన్ని ప్రశ్నలకు సమాధానములు వ్రాయండి. ప్రతి ప్రశ్నకు **సమాన** మార్కులు ఉంటాయి.

UNIT-I

9. a) Explain difference between high - level language and low - level language.
ఉన్నత - స్థాయి భాష మరియు తక్కువ - స్థాయి భాష మధ్య వ్యత్యాసాన్ని వివరించండి.

(OR/లేదా)

b) Explain about different types of computers.
వివిధ రకాల కంప్యూటర్ల గురించి వివరించండి.

UNIT-II

10. a) Explain in detail about different Data Types in C.
C లోని వివిధ డేటా రకాల గురించి వివరంగా వివరించండి.

(OR/లేదా)

b) What is a constant? What are different types of 'C' constants?
స్థిరాంకం అంటే ఏమిటి? వివిధ రకాల 'C' స్థిరాంకాలు ఏమిటి?

UNIT-III

11. a) Explain in detail about Accessing elements of the Array.
అర్రే యొక్క ఎలిమెంట్లను యాక్సెస్ చేయడం గురించి వివరంగా వివరించండి.

(OR/లేదా)

b) What do you know about arrays? Explain.
శ్రేణుల గురించి మీకు ఏమి తెలుసు? వివరించండి.

UNIT-IV

12. a) What are the different types of storage classes with simple example?
సాధారణ ఉదాహరణతో వివిధ రకాల నిల్వ తరగతులు ఏవి?

(OR/లేదా)

b) Explain in detail about Dynamic memory allocation.
డైనమిక్ మెమోరీ కేటాయింపు గురించి వివరంగా వివరించండి.

UNIT-V

13. a) Explain streams I/O model in files.
ఫైల్‌లలో స్ట్రీమ్‌ల I/O మోడల్‌ని వివరించండి.

(OR/లేదా)

b) Discuss in detail about files of records.
రికార్డుల ఫైళ్ల గురించి వివరంగా చర్చించండి.

[Total No. of Pages : 2

3-5-108-7A-R20

THREE YEAR B.Sc. DEGREE EXAMINATION, APRIL - 2023

FIFTH SEMESTER

CHOICE BASED CREDIT SYSTEM

PART - II - COMPUTER SCIENCE

Paper - 7A : Web Applications Development Using PHP and MYSQL

(Under CBCS New Regulation w.e.f. the academic year 2022-23)

Time : 3 Hours **Max. Marks : 75**

PART -A

Answer any five of the following questions. Each question carries equal marks. (5×5=25)

1. Write about PHP variables and constants?
2. Write about variable scope in PHP?
3. How to create arrays in PHP? Explain with an example?
4. Explain about cookies in PHP?
5. Explain about the file opening modes in PHP?
6. Define file and directory? How to create directory in php?
7. What are the MYSQLi functions used for Database connectivity and query processing?
8. What are the differences between *MySQL* and *MySQLi* function?

PART - B

Answer all the following questions. Each question carries equal marks (5×10=50)

9. a) Explain about Basic building blocks of PHP?

(OR)

b) Explain about control flow statements in PHP with examples?

10. a) Explain about PHP date and time functions?

(OR)

b) Explain about PHP strings? List and explain about string handling functions in PHP?

11. a) Define session? What are the advantages of sessions? How to create, access and destroy sessions in PHP. Explain with an example?

(OR)

b) How to upload a file using PHP? Explain with an example?

12. a) Explian about system(), passthru(), exec() functions in PHP?

(OR)

b) Explain about reading and writing files in PHP?

13. a) How to insert a new record in to MySQL database table using PHP? Explain with an example?

(OR)

b) How to view records of a MySQL database table using PHP? Explain with an example?

3-5-108-7B-R20

[Total No. of Pages : 3

THREE YEAR B.Sc. DEGREE EXAMINATION, April/May - 2023
CHOICE BASED CREDIT SYSTEM
FIFTH SEMESTER
PART - II - COMPUTER SCIENCES
Paper - 7(B) : Application Development Using Python
(Under CBCS New Regulation w.e.f. the academic year 2022-23)

Max. Marks : 75

Time : 3 Hours

Note: **This question paper contains two parts A and B.**
Part A is **compulsory** which carries **25** marks. Answer any **Five** of the following questions in Part - A.
Part B consists of **5** units. Answer **one** full question **(A or B)** from **each** unit (i.e., Q. No **9** from Unit - I, Q. No **10** from Unit - II, Q. No.**11** from Unit - III, Q.No**12** from Unit - IV, Q. No **13** from Unit - V). Each question carries **10** marks.

PART -A

Answer any FIVE of the following questions. Each question carries 5 marks. **(5×5=25)**

1. List the salient features of Python Programming Language.
2. Explain about string slicing with examples.
3. What is an Exception? How exceptions can be handled in Python?
4. What is a module? How to import a module in Python? Explain with an example.
5. What is a regular expression? What are the steps to be followed to use regular expressions in Python?
6. Explain about Tkinter library for GUI programming in Python.
7. Explain about web surfing with python.
8. Explain about Python Database Application Programmer's interface(DBAPI)?

PART - B

Answer all the questions. Each question carries 10 marks **(5×10=50)**

9. a) Explain about standard Type operators in Python with examples.

(OR)

b) Write in - detail about Python Lists and Tuples.

10. a) Explain about File Handling in Python.

(OR)

b) Explain about Exception handling process in Python with example.

11. a) List and explain about meta characters and special symbols, sets used in Python regular expressions.

(OR)

b) Explain about Python Multithreaded programming.

12. a) Explain about various elements of Tkinter GUI frame work?

(OR)

b) Explain about Python - CGI programming?

13. a) Explain about Relational Database Management System?

(OR)

b) Explain about Object Relational Managers(ORMs) for python database programming?

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3-5-108-6B-R20

THREE YEAR B.Sc. DEGREE EXAMINATION, APRIL/MAY - 2023

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

PART - II - COMPUTER SCIENCES

Paper - 6(B) : Internet of Things

(Under CBCS New Regulation w.e.f. the academic year 2022-23)

Time : 3 Hours Max. Marks : 75

PART - A

Answer any FIVE of the following questions. Each question carries 5 marks.(5×5=25)

1. Write short notes on IOT design ethics.

   ఐఓటీ డిజైన్ ఎథిక్స్‌ను గురించి వ్రాయండి.

2. Briefly write about the history of IOT.

   ఐఓటీ చరిత్ర గురించి క్లుప్తంగా వ్రాయండి.

3. Write about different types of actuators.

   వివిధ రకాల యాక్చువేటర్ల గరించి వ్రాయండి.

4. What is the difference between WSN and IOT?

   WSN మరియు IOT మధ్య తేడా ఏమిటి?

5. Wrtie short notes on IEEE802.15.4.

   IEEE802.15.4 గురించి వ్రాయండి.

6. Wrtie about near field communication(NFC).

   నియర్ ఫీల్డ్ కమ్యూనికేషన్ (NFC) గురించి వ్రాయండి.

7. Write about interfacing of Actuators with Arduino.

   ఆర్డుయినోతో యాక్చువేటర్ల ఇంటర్ఫేసింగ్ గురించి వ్రాయండి.

8. Write about Blynk.

   బ్లింక్ గురించి వ్రాయండి.

PART - B

Answer All the questions. Each question carries 10 marks. **(5×10=50)**

9. a) Define IOT? Briefly explain about the characteristics of IOT.

ఐఓటీని నిర్వచించండి? IOT యొక్క లక్షణాల గురించి క్లుప్తంగా వివరించండి.

(OR/లేదా)

b) Write about IOT enabling technologies.

ఐఓటీ ఎనేబుల్ టెక్నాలజీల గురించి వ్రాయండి.

10. a) Briefly wrtie about RFID principles and components.

RFID సూత్రాలు మరియు కాంపోనెంట్ ల గురించి క్లుప్తంగా వ్రాయండి.

(OR/లేదా)

b) Explain about different IOT development boards.

విభిన్న IOT డెవలప్ మెంట్ బోర్డుల గురించి వివరించండి.

11. a) Briefly explain about Zigbee wireless technology.

జిగ్బీ వైర్ లెస్ టెక్నాలజీ గురించి క్లుప్తంగా వివరించండి.

(OR/లేదా)

b) Explain about RPL protocol.

RPL ప్రోటోకాల్ గురించి వివరించండి.

12. a) Briefly explain about Arduino Uno Architecture.

ఆర్డుయినో యునో ఆర్కిటెక్చర్ గురించి క్లుప్తంగా వివరించండి.

(OR/లేదా)

b) Write about interfacing of Relay switch and Servo motor with Arduino.

ఆర్డుయినోతో రిలే స్విచ్ మరియు సర్వో మోటార్ యొక్క ఇంర్ఫేసింగ్ గురించి వ్రాయండి.

13. a) Briefly explain about various IOT cloud-based platforms.

వివిధ IOT క్లౌడ్ ఆధారిత ప్లాట్ ఫారమ్ల గురించి క్లుప్తంగా వివరించండి.

(OR/లేదా)

b) Wrtie about privacy and security issues in IOT.

IOT లో గోప్యత మరియు భద్రతా సమస్యల గురించి వ్రాయండి.

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THREE YEAR B.Sc. DEGREE EXAMINATION

APRIL - 2023

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

PART - I Computer Science

Paper - III : Software Engineering

(Under Regulation 2017-2018 Supplementary)

(For Candidates who appeared in 2020 exams or earlier)

Time : 3 Hours **Max. Marks : 75**

SECTION -A

Answer any five of the following . Each question carries of equal marks. (5×5=25)

1. Define process paradigms?
2. Define Requirements Elicitation?
3. Write about Modularity?
4. Define Function Oriented Design?
5. Write about Quality metrics?
6. Write about Software Reliability?
7. Write about Basic path testing?
8. Write about Black Box testing?

SECTION -B

Answer one question from each unit. Each question carries equal marks.(5×10=50)

Unit-I

9. Explain about Software Engineering process in detail?

(OR)

10. Explain about Software project planning in detail?

Unit-II

11. Explain about Requirements analysis?

(OR)

12. Explain about Requirements Engineering?

Unit-III

13. What is design? Explain Strategy of design?

(OR)

14. Explain object oriented design in detail?

Unit - IV

15. Explain about User Interface Analysis and Design?

(OR)

16. Explain about Software Quality Assurance in detail?

Unit-V

17. Explain about Software testing fundamentals?

(OR)

18. Explain about Validation and system testing?

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3-5-108-6A-R20

THREE YEAR B.Sc. DEGREE EXAMINATION, APRIL - 2023

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

PART - II - COMPUTER SCIENCES

Paper - 6A : WEB INTERFACE DESIGNING TECHNOLOGIES

(Under CBCS New Regulation w.e.f. the academic year 2022-23)

Time : 3 Hours **Max. Marks : 75**

Part -A

Answer any five of the following questions. Each question carries equal marks. (5×5=25)

1. Write the differences between web applications and desktop applications.
2. Explain about HTML5.
3. Write about HTML form input elements.
4. Explain about CSS border styles.
5. Explain about functions in JavaScript.
6. Write about rollover buttons.
7. How to create posts in wordpress site.
8. Write about Themes in WordPress site.

Part - B

Answer all the questions. Each question carries equal marks (5×10=50)

9. a) Explain about HTML Formatting elements.

(OR)

b) Explain about HTML Lists with examples.

10. a) Write about different types of HTML form elements.

(OR)

b) Explain about different types of CSS styles.

11. a) List and Explain about Built-in types of JavaScript.

(OR)

b) Discuss about Exception Handling in JavaScript. Give an Example.

12. a) List the features of WordPress? How to install and configure the WordPress site?

(OR)

b) Wrtie about WordPress Widgets? Discuss about installing and uninstalling of Widgets in a WordPress site.

13. a) Explain about Different types default user roles exist in a WordPress site? Explain about the Process of Creating customized role.

(OR)

b) Define WordPress plug -in? List the advantages and drawbacks of plug-in? How to install and uninstall a plug-in in a WordPress site?

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THREE YEAR B.A./B.Com./B.Sc. (Computer Applications)

DEGREE EXAMINATION, APRIL/MAY -2023

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

PART - I : COMPUTER APPLICATIONS

Paper - III : 5.5 - WEB TECHNOLOGY

(Common For B.Com., Computer Applications Elective - II)

(Under Regulation 2017-18 Supplementary)

(For candidates who appeared in 2020 exams or earlier)

Time : 3 Hours **Max. Marks : 75**

PART-A

భాగము - ఎ

Answer any **FIVE** of the following. Each question carries of equal marks. (5×3=15)

క్రింది వాటిలో ఏవైనా **ఐదింటికి** సమాధానం ఇవ్వండి. ప్రతి ప్రశ్నకు సమాన మార్కులు ఉంటాయి.

1. a) What is html? Explain advantages of html.
   html అంటే ఏమిటి? html ప్రయోజనాలను వివరించండి.
   b) Explain about hyper links.
   హైపర్ లింక్స్ గురించి వివరించండి.
   c) Explain about tables in html.
   html లో tables గురించి వివరించండి.
   d) Explain about multimedia objects.
   మల్టీమీడియా వస్తువులను గురించి వివరించండి.
   e) Explain about layers.
   layers గురించి వివరించండి.
   f) Explain about variables in java script.
   జావా స్క్రిప్ట్‌లోని variables గురించి వివరించండి.
   g) What is array? Explain about types of arrays.
   array అంటే ఏమిటి? arrays రకాల గురించి వివరించండి.
   h) Explain about Regular Expressions.
   Regular expressions గురించి వివరించండి.
   i) Explain about build in objects.
   Build in objects గురించి వివరించండి.
   j) Explain about Rollover Buttons.
   Rollover Buttons గురించి వివరించండి.

PART - B

భాగము - బి

Answer **one** question from each unit. Each question carries **equal** marks. $(5 \times 12 = 60)$

ప్రతి యూనిట్ నుండి ఒక ప్రశ్నకు సమాధానం ఇవ్వండి. ప్రతి ప్రశ్నకు సమాన మార్కులు ఉంటాయి.

UNIT - I

2. What is Topology? Explain types of Topologies.
టోపోలజీ అంటే ఏమిటి? టోపోలజీల రకాలను వివరించండి.

(OR/లేదా)

3. What is a list? Explain types of list in detail.
list అంటే ఏమిటి? list రకాలను వివరంగా వివరించండి.

UNIT - II

4. Explain about form input tag elements.
form ఇన్‌పుట్ ట్యాగ్ మూలకాల గురించి వివరించండి.

(OR/లేదా)

5. What is CSS? Explain about properties and values in styles.
CSS అంటే ఏమిటి? స్టైల్స్‌లోని లక్షణాలు మరియు విలువల గురించి వివరించండి.

UNIT - III

6. Explain about mathematical functions in JAVA SCRIPT.
JAVA SCRIPT లో గణిత విధుల గురించి వివరించండి.

(OR/లేదా)

7. Explain different types of operators in JAVA Script.
JAVA SCRIPT లో వివిధ రకాల ఆపరేటర్లను వివరించండి.

UNIT - IV

8. Explain about Data and Objects in JavaScript.
JAVA SCRIPT డేటా మరియు ఆబ్జెక్ట్‌ల గురించి వివరించండి.

(OR/లేదా)

9. Explain about Exception Handling with example.
ఉదాహరణతో మినహాయింపు నిర్వహణ గురించి వివరించండి.

UNIT - V

10. What is a DHTML? Explain data validation with a simple program.
DHTML అంటే ఏమిటి? సాధారణ ప్రోగ్రామ్‌తో డేటా ధ్రువీకరణను వివరించండి.

(OR/లేదా)

11. Explain about messages and confirmation in DHTML.
DHTML లో సందేశాలు మరియు నిర్ధారణ గురించి వివరించండి.

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THREE YEAR B.Sc. DEGREE EXAMINATION, APRIL - 2023

FIFTH SEMESTER

CHOICE BASED CREDIT SYSTEM

PART - II - COMPUTER SCIENCE

Paper - 7A : Web Applications Development Using PHP and MYSQL

(Under CBCS New Regulation w.e.f. the academic year 2022-23)

Time : 3 Hours **Max. Marks : 75**

PART -A

Answer any five of the following questions. Each question carries equal marks. (5×5=25)

1. Write about PHP variables and constants?
2. Write about variable scope in PHP?
3. How to create arrays in PHP? Explain with an example?
4. Explain about cookies in PHP?
5. Explain about the file opening modes in PHP?
6. Define file and directory? How to create directory in php?
7. What are the MYSQLi functions used for Database connectivity and query processing?
8. What are the differences between *MySQL* and *MySQLi* function?

PART - B

Answer all the following questions. Each question carries equal marks (5×10=50)

9. a) Explain about Basic building blocks of PHP?

(OR)

b) Explain about control flow statements in PHP with examples?

10. a) Explain about PHP date and time functions?

(OR)

b) Explain about PHP strings? List and explain about string handling functions in PHP?

11. a) Define session? What are the advantages of sessions? How to create, access and destroy sessions in PHP. Explain with an example?

(OR)

b) How to upload a file using PHP? Explain with an example?

12. a) Explian about system(), passthru(), exec() functions in PHP?

(OR)

b) Explain about reading and writing files in PHP?

13. a) How to insert a new record in to MySQL database table using PHP? Explain with an example?

(OR)

b) How to view records of a MySQL database table using PHP? Explain with an example?

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2-07(3)-R20

THREE YEAR B.A./B.Com./B.Com. (SPECIALISATION)/B.Sc./B.Sc. (Home Science)/B.C.A./B.B.A./B.Dance/B.Music/B.A.(OL)/B.H.M./ FOOD PROCESSING TECHNOLOGY/ DAIRYING AND ANIMAL HUSBANDRY/HORTICULTURE DEGREE EXAMINATION, JULY-2023

CHOICE BASED CREDIT SYSTEM

SECOND SEMESTER

PART - I (C) : LIFE SKILL COURSE

PAPER - III : Information and Communication Technology

(Under CBCS New Regulation w.e.f. the academic year 2020-21)

Time : 1½ Hours **Maximum Marks : 50**

PART - A
భాగము - ఎ

Answer any **FOUR** questions. Each answer carries **5** marks. **(4×5=20)**
ఏవైనా **నాలుగు** ప్రశ్నలకు సమాధానములు వ్రాయుము. ప్రతి ప్రశ్నకు **5** మార్కులు.

1. Explain the Internet Addressing with example.
ఇంటర్నెట్ చిరునామాను ఉదాహరణతో వివరించండి.

2. Discuss in detail about Google Slides.
గూగుల్ స్లయిడ్‌ల గురించి వివరంగా చర్చించండి.

3. What is Firewalls?
ఫైర్‌వాల్స్ అంటే ఏమిటి?

4. Discuss in detail about You Tube and Whats App.
You Tube మరియు Whats App గురించి వివరంగా చర్చించండి.

5. Explain in detail about National Digital Library of India.
నేషనల్ డిజిటల్ లైబ్రరీ ఆఫ్ ఇండియా గురించి వివరంగా వివరించండి.

6. What are the applications of Internet.
ఇంటర్‌నెట్ యొక్క అప్లికేషన్లు ఏమిటి?

7. Explain in detail about Cryptography.
క్రిప్టోగ్రఫీ గురించి వివరంగా వివరించండి.

8. Discuss in detail about Mail Management.
మెయిల్ నిర్వహణ గురించి వివరంగా చర్చించండి.

PART - B
భాగము – బి

Answer any **THREE** questions. Each answer carries **10** marks. **(3×10=30)**
ఏవైనా **మూడు** ప్రశ్నలకు సమాధానములు వ్రాయుము. ప్రతి ప్రశ్నకు **10** మార్కులు.

9. What is Internet? Explain the advantages of Internet.
ఇంటర్‌నెట్ అంటే ఏమిటి? ఇంటర్‌నెట్ యొక్క ప్రయోజనాలు వివరించండి.

10. Explain in detail about Google spread sheets with example.
గూగుల్ స్ప్రెడ్ షీట్‌ల గురించి ఉదాహరణతో వివరంగా వివరించండి.

11. Discuss in detail about Linked In and Skype.
లింక్డ్ ఇన్ మరియు స్కైప్ గురించి వివరంగా చర్చించండి.

12. Discuss in detail about SWAYAM, e-Yantra and NPTEL.
SWAYAM, e-Yantra మరియు NPTEL గురించి వివరంగా చర్చించండి.

13. Explain in detail about Viruses and Antivirus.
వైరస్‌లు మరియు యాంటీవైరస్‌ల గురించి వివరంగా వివరించండి.

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THREE YEAR B.Sc. DEGREE EXAMINATIONS, JANUARY - 2024

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

PART - I: COMPUTER SCIENCE

Paper-II: Data Base Management System

(Under Regulation 2017-18 Supplementary)

(For candidates who appeared in 2020 exams or earlier)

Time : 3 Hours **Max. Marks : 75**

SECTION-A

Answer any five of the following questions. Each question carries equal marks.

(5 × 5 = 25)

1. Write about data and Information?
2. What are the Situations where DBMS is not necessary?
3. What are the advantages of ER-Modeling?
4. Write about Relationship Classification?
5. What is Functional Dependency?
6. What are the advantages of Relational Algebra?
7. Explain about Sub Query?
8. What are the Shortcomings in SQL?

SECTION-B

Answer ONE question from each Unit. Each question carries equal marks.

(5 × 10= 50)

UNIT - I

9. Explain about Objectives and Evaluation of DBMS?

(OR)

10. What is File-based System? What are the Drawbacks of File-based System?

UNIT - II

11. Write about the Building blocks of an ER-Diagram?

(OR)

12. Write about the following:

    i) ISA relationship and Attribute Inheritance

    ii) Aggregation and Composition.

UNIT - III

13. What is Normalization? Write about different Normal Forms?

(OR)

14. What is Relational Model? Explain about CODD Rules?

UNIT - IV

15. Write about DDL and DML Commands?

(OR)

16. Briefly explain about different Join Operations in SQL?

UNIT - V

17. What is the Structure of PL/SQL and Explain about Data Types in PL/SQL?

(OR)

18. What are Database Triggers? Explain about Different Types of Triggers?

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THREE YEAR B.Sc. DEGREE EXAMINATION — JULY 2020

CHOICE BASED CREDIT SYSTEM

SIXTH SEMESTER

Part-I :Computer Science

DSC-ELECTIVE – I (B) –COMPUTER NETWORKS

(W.E.F 2017-2018)

Time : 3 hours Max. Marks : 75

SECTION – A

Answer any FIVE of the following. All question carry equal marks.

(Marks : 5 × 5 = 25)

1. Define networks, write the uses and benefits of networks.
2. Discuss about the wireless transmission.
3. Write about Ethernet.
4. Write about networks OS.
5. Why OSI is important in networks?
6. Explain about error generating code.
7. What is store forward packet switching?
8. Write about Routers and Bridges.

SECTION – B

Answer ONE questions from each unit . All question carry equal marks.

(Marks : 5 × 10 = 50)

UNIT - I

9. Explain about OSI reference model with an example.

Or

10. What is Topology? Explain different types of topologies in detail with diagram.

[P.T.O.]

UNIT - II

11. Describe the high level data link control and its operations.

Or

12. What is IPV? Explain IPV4 datagram header in detail.

UNIT - III

13. Explain Network layer design issues in detail.

Or

14. Discuss about congestion control algorithms in Network Layer.

UNIT - IV

15. What is TCP ?Explain TCP system in detail.

Or

16. Explain the differences between stop and wait protocol and sliding window protocol.

UNIT - V

17. What is domain name.system and resource encoding? Explain how DNS works?

Or

18. Explain about content delivery & peer to peer.

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THREE YEAR B.Sc. DEGREE EXAMINATION — APRIL/MAY 2018

CHOICE BASED CREDIT SYSTEM

SIXTH SEMESTER

Part I — COMPUTER SCIENCE

DSC.1 B — COMPUTER NETWORKS

(w.e.f 2017–2018)

Time : 3 hours Max. Marks : 75

PART – A

Answer any FIVE of the following.

All questions carry equal marks.

(Marks : 5 × 5 = 25)

1. List the uses of computer networks.
2. What is data communication?
3. Write a brief note on sliding window protocols.
4. Write a brief note on Ethernet.
5. Write a brief note on Internet working.
6. Write about TCP.
7. What is WWW?
8. What is DNS?

PART – B

Answer ONE question from each Unit.

All questions carry equal marks.

(Marks : 5 × 10 = 50)

UNIT I

9. Explain in detail about Network Hardware and Network Software.

Or

10. Write a detailed note on transmission media.

[P.T.O.]

UNIT II

11. Write a detailed note on Error Detection and Correction.

Or

12. Write a detailed note on Multiple Access Protocols.

UNIT III

13. Explain any two routing algorithms.

Or

14. Write a note on Quality of Service.

UNIT IV

15. Explain Congestion Control Algorithms.

Or

16. Write a detailed note on Internet Transport Protocols.

UNIT V

17. Write detailed note on Domain Name Space.

Or

18. Explain Content Delivery and Peer-to-Peer delivery in application layer.

[Total No. of Pages : 2

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THREE YEAR B.A./B.Com./.B.Sc. (Computer Applications)

DEGREE EXAMINATION, MARCH-2022

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

PART - I - COMPUTER APPLICATIONS

PAPER - II - 5.4 - DATA BASE MANAGEMENT SYSTEM

(Common for B.Com., Computer Applications Elective - II)

(W.E.F. 2017-2018)

Time : 3 Hours **Max. Marks : 75**

SECTION - A
విభాగము – ఎ

Answer any **Five** of the following. Each question carries of equal marks. **(5×3=15)**

కింది వాటిలో ఏదైనా ఐదు ప్రశ్నలకు సమాధానం ఇవ్వండి. ప్రతి ప్రశ్న సమాన మార్కులను కలిగి ఉంటుంది.

1. a) What is database?
డేటాబేస్ అనగానేమి?

b) Write a short note on Data.
డేటా గురించి రాయండి?

c) Write a brief note on Entity sets.
ఎంటిటి సెట్లు.

d) Discuss about classification of Attributes.
క్లాసిఫికేషన్ ఆఫ్ అట్రిబ్యూట్.

e) What is foreign key?
ఫారిన్ కీ.

f) What is referential Integrity?
సూచన సమగ్రత అనగానేమి.

g) Write the Difference between table and view.
టేబుల్ వర్సెస్ వ్యూ.

h) What is meant by SQL?
SQL అంటే ఏమిటి?

i) Explain in briefly about packages.
ప్యాకేజీల గురించి వివరించండి.

j) Discuss about triggers.
triggers అనగానేమి?

SECTION - B

విభాగము - బి

Answer one question from each unit. Each question carries equal marks. (5×12=60)

ప్రతి యూనిట్ నుండి ఏదైనా ఒక ప్రశ్నకు సమాధానం ఇవ్వండి. ప్రతి ప్రశ్నకు సమాన మార్కులు ఉంటాయి.

UNIT - I

2. What are the objectives of DBMS?
DBMS యొక్క లక్ష్యాలు వివరించండి?

(OR) (లేదా)

3. Explain in detail about classification of DBMS.
DBMS వర్గీకరణ గురించి క్లుప్తంగా రాయండి?

UNIT - II

4. Explain about various data models.
వివిధ రకాల డేటా మోడల్స్ గురించి క్లుప్తంగా రాయండి?

(OR) (లేదా)

5. Explain the advantages of DBMS. Over file oriented file system.
DBMS యొక్క ప్రయోజనాలను ఓవర్ ఫైల్ ఓరియంటెడ్ ఫైల్ సిస్టం ద్వారా వివరించండి?

UNIT - III

6. Explain 1NF, 2NF, 3NF forms.
1NF, 2NF, 3NF ఫార్మ్స్ గురించి తెలపండి?

(OR) (లేదా)

7. Explain in detail E.F. Codd's rules?
Codd's rules గురించి క్లుప్తంగా వివరించండి.

UNIT - IV

8. Explain about various SQL commands with syntax and examples?
వివిధ రకాల SQL commands లను వాటి ఉదాహరణలతో వివరించండి?

(OR) (లేదా)

9. Explain in detail about Aggregate function?
అగ్రిగేట్ ఫంక్షన్ ల గురించి క్లుప్తంగా వివరించండి?

UNIT - V

10. What are the data types? Explain with examples.
డేటా టైపు అనగానేమి ఉదాహరణలతో వివరించండి?

(OR) (లేదా)

11. Discuss about Exception Handling.
ఎక్సెప్షన్ హ్యాండ్లింగ్ గురించి చర్చించండి?

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THREE YEAR B.A./B.Com./.B.Sc. (Computer Applications)
DEGREE EXAMINATION, MARCH-2022
CHOICE BASED CREDIT SYSTEM
FIFTH SEMESTER
PART - I - COMPUTER APPLICATIONS
Paper - III - 5.5 - WEB TECHNOLOGY

(Common for B.Com., Computer Applications Elective - II)

(W.E.F. 2017-2018)

Time : 3 Hours **Max. Marks : 75**

PART - A
భాగము – ఎ

Answer any **Five** of the following. Each question carries of equal marks. **(5×3=15)**
క్రింది వాటిలో ఏదైనా **ఐదు** ప్రశ్నలకు సమాధానం ఇవ్వండి. ప్రతి ప్రశ్న సమాన మార్కులను కలిగి ఉంటుంది.

1. a) Write about different formatting tags.
   వివిధ రకాల ఫార్మాటింగ్ టాగ్స్ గురించి రాయండి.
   b) Discuss about various control forms.
   వివిధ రకాల కంట్రోల్ ఫార్మ్స్.
   c) Write about Hyper text.
   హైపర్ టెక్స్ట్ అనగానేమి.
   d) Write about style rule.
   స్టైల్ రూల్ అనగానేమి?
   e) List and explain global functions provided by Java Script.
   జావాస్క్రిప్ట్ యొక్క గ్లోబల్ ఫంక్షన్స్ వివరించండి.
   f) What is Java Script?
   జావాస్క్రిప్ట్ అనగానేమి?
   g) Discuss about onAbort.
   onAbort గురించి వివరించండి.
   h) Write a short note onClick.
   onClick గురించి వివరించండి.
   i) Write the structure of Java Script program.
   Java Script program యొక్క నిర్మాణం.
   j) Write a short note on DHTML.
   DHTML అనగానేమి?

PART - B

భాగము - బి

Answer one question from each unit. Each question carries equal marks. (5×12=60)

ప్రతి యూనిట్ నుండి ఏదైనా ఒక ప్రశ్నకు సమాధానం ఇవ్వండి. ప్రతి ప్రశ్నకు సమాన మార్కులు ఉంటాయి.

UNIT - I

2. Define frames in HTML? Explain with example.
HTML frames అనగానేమి? వాటిని ఉదాహరణలతో వివరించండి.

(OR/లేదా)

3. What are hyperlinks? Explain about anchor tags.
హైపర్ లింక్ అనగానేమి? యాంకర్ టాగ్స్ గురించి వివరించండి.

UNIT - II

4. Explain in detail about changing attributes withe an example.
Changing attribute అనగానేమి ఉదాహరణలతో వివరించండి?

(OR/లేదా)

5. What is CSS? Explain the types of CSS?
CSS అనగానేమి? వివిధ రకాల CSS లను వివరించండి.

UNIT - III

6. Discuss in detail Maths funtions in Java Script?
జావాస్క్రిప్ట్ లో గల మాథ్స్ ఫంక్షన్ వివరించండి.

(OR/లేదా)

7. Explain different types of data types in Java Script?
జావాస్క్రిప్ట్ లో గల డేటా టైపుల గురించి క్లుప్తంగా వివరించండి.

UNIT - IV

8. Explain in detail about onMove and onRest.
onMove, onRest ల గురించి క్లుప్తంగా వివరించండి.

(OR/లేదా)

9. Define event handler. What are the types of events.
Event Handler అనగానేమి? వివిధ రకాల ఈవెంట్ హాండ్లర్ల గురించి వివరించండి.

UNIT - V

10. Explain the concepts of programming in DHTML.
DHTML programming లో గల భావనలను గూర్చి చర్చించండి.

(OR/లేదా)

11. Explain in detail about Data Validation in JavaScript.
జావాస్క్రిప్ట్‌లో గల డేటా వాలిడేషన్ గురించి వివరించండి.

[Total No. of Pages : 2

THREE YEAR B.Sc. DEGREE EXAMINATION, MARCH - 2022

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

Part - I: COMPUTER SCIENCE

Paper - II : Data Base Management System

(W.E.F. 2017-2018)

Time : 3 Hours **Max. Marks : 75**

SECTION - A

Answer any **Five** of the following questions. Each question carries of equal marks. (5×5=25)

1. What is normalization? How may types are there?
2. Write about Data Manipulation Language?
3. Draw Backs of file based system.
4. What is EER model?
5. What is Trigger? Write about types of Triggers.
6. Write about Relational integrity.
7. What is Database Management System?
8. What is E-R model?

SECTION - B

Answer any one question from each unit. Each question carries equal marks. **(5×10=50)**

Unit - I

9. Explain about file based system.

(OR)

10. Explain about ANSI/SPARK data model.

Unit - II

11. Explain about Generalization and Specialization.

(OR)

12. Write about Clusters.

Unit - III

13. Explain 1NF and 3NF.

(OR)

14. Write objectives of the Database Design.

Unit - IV

15. Explain Data definition Language.

(OR)

16. Explain about Aggregate functions.

Unit - V

17. What is PL/SQL? Write the structure of PL/SQL.

(OR)

18. What are the Cursors? Write the steps to create Cursors.

THREE YEAR B.A./B.Com./B.Sc. DEGREE EXAMINATION, OCTOBER/NOVEMBER 2019

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

Part - I : Computer Applications

Paper - 3 : 5.5 : WEB TECHNOLOGY

(Common for B.Com., Computer Applications Elective - II)

(W.E.F. 2017-2018)

Time : 3 hours Max. Marks : 75

PART – A

భాగము – ఎ

Answer any FIVE of the following. All questions carry equal marks.

ఏవేని ఐదు ప్రశ్నలకు సమాధానములు వ్రాయుము. అన్ని ప్రశ్నలకు మార్కులు సమానము.

(Marks : 5 × 3 = 15)

1. (a) Define WWW.
WWW ను నిర్వచించుము.

(b) Write the block structure of HTML program with example.
HTML program యొక్క block structure ను ఉదాహరణతో వ్రాయుము.

(c) Write the syntax of the frame tag of HTML.
HTML నందలి frame tag యొక్క సింటాక్స్‌ను వ్రాయుము.

(d) Discuss about formatting blocks of information.
సమాచారము యొక్క blocks ను format చేయుటను గురించి వివరింపుము.

(e) Explain data types in java script with examples.
Java script నందలి data types ను ఉదాహరణలతో వివరింపుము.

(f) Define Object in JavaScript. Give examples.
JavaScript నందు Object ను నిర్వచించుము. ఉదాహరణనిమ్ము.

(g) Define an event in JavaScript. Give examples.
JavaScript నందు Event ను నిర్వచించుము. ఉదాహరణనిమ్ము.

(h) What is a regular Expression? Give example.
Regular Expression అనగానేమి? ఉదాహరణనిమ్ము.

(i) Explain about messages and conformations.

Messages మరియు Conformations గురించి వివరింపుము.

(j) What is the need of NEW keyword in java script?

Javascript నందలి NEW అనే Keyword యొక్క అవసరాన్ని వ్రాయుము?

PART – B

భాగము – బి

Answer ONE question from each Unit. All questions carry equal marks.

ప్రతి యూనిట్‌నుండి ఒక ప్రశ్నకు సమాధానము వ్రాయుము. అన్ని ప్రశ్నలకు మార్కులు సమానము.

(Marks : 5 × 12 = 60)

UNIT – I

2. Explain LAN, WAN and MAN topologies.

LAN, WAN మరియు MAN topologies ను వివరింపుము.

Or

3. Explain Hyperlink creation in detail with examples.

Hyperlink creation ను వివరముగా ఉదాహరణలతో వివరింపుము.

UNIT – II

4. Discuss about multimedia objects.

Multimedia objects గురించి చర్చించుము.

Or

5. How to implement our own style sheet? Discuss in detail.

మనకు కావలసిన సొంత style sheet ను ఏవిధముగా నిర్మించుదువు? వివరముగా వివరింపుము.

UNIT – III

6. Discuss operators in java script with suitable examples.

Javascript నందలి operators ను సరియైన ఉదాహరణలతో వివరింపుము.

Or

7. Discuss at least FIVE String functions with examples.

కనీసం ఐదు String functions ఉదాహరణలతో వివరింపుము.

UNIT – IV

8. What is an exception? Explain with suitable example in java script.
Exception అనగా నేమి? ఉదాహరణతో Javascript నందు వివరింపుము.

Or

9. Discuss Built-in objects in java script with examples.
Javascript నందలి Built-in objects ను ఉదాహరణలతో చర్చించుము.

UNIT – V

10. Explain rollover buttons in Javascript with suitable example.
Javascript నందలి rollover buttons ను సరియైన ఉదాహరణతో వివరింపుము.

Or

11. Explain text only menu system in Javascript with suitable example.
Javascript నందలి text only menu system ను సరియైన ఉదాహరణతో వివరింపుము.

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THREE YEAR B.Sc. DEGREE EXAMINATION — OCTOBER/NOVEMBER 2018

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

Part I — Computer Science

Paper III — SOFTWARE ENGINEERING

(w.e.f. 2017-2018)

Time : 3 hours Max. Marks : 75

SECTION – A

Answer any FIVE of the following. All questions carry equal marks.

(Marks : 5 × 5 = 25)

1. Write a brief note on process and methods.
2. Explain about spiral model.
3. Explain requirements elicitation.
4. Explain in brief about modularity.
5. Explain requirement analysis.
6. Write a brief note on quality metrics.
7. Explain in brief about basis path testing.
8. Write a note on reverse engineering.

SECTION – B

Answer ONE question from each Unit. All questions carry equal marks.

(Marks : 5 × 10 = 50)

UNIT – I

9. Write a detailed note on software engineering process paradigms.

Or

10. Write a detailed note on software metrics.

UNIT – II

11. Explain about requirement engineering.

Or

12. Write a detailed note on software requirements documentation.

[P.T.O.]

UNIT – III

13. Explain in detail about effective modular design.

Or

14. Write a detailed note on object oriented design.

UNIT – IV

15. Explain in detail about user interface analysis.

Or

16. Write a detailed note on Software Quality Assurance.

UNIT – V

17. Write a detailed note on control structure testing.

Or

18. Write a detailed note on validation and system resting.

[Total No. of Pages :2

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THREE YEAR B.Sc. DEGREE EXAMINATION

APRIL - 2023

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

PART - I Computer Science

Paper - II : Data Base Management Systems

(Under Regulation 2017-2018 Supplementary)

(For Candidates who appeared in 2020 exam or earlier)

Time : 3 Hours **Max. Marks : 75**

SECTION -A

Answer any five of the following questions. Each question carries equal marks.
(5×5=25)

1. Explain drawbacks of file based system.
2. Explain data base architecture.
3. Explain building blocks of ER diagram.
4. Explain advantages of ER modelling.
5. Explain relational algebra operations.
6. Explain data types in SQL.
7. Explain about DDL commands.
8. Explain about Exception Handling in PL/SQL.

SECTION -B

Answer one question from each Unit. Each question carries equal marks. (5×10=50)

Unit-I

9. Explain advantages of DBMS.

(OR)

10. Explain about data models.

Unit-II

11. Explain about EER model.

(OR)

12. Explain generalization and specialization.

Unit-III

13. Explain about CODD rules

(OR)

14. Explain about types of Normal Forms.

Unit - IV

15. Explain data types in SQL.

(OR)

16. Explain about Join Operations.

Unit-V

17. Explain steps to create a PL/SQL program with a simple program.

(OR)

18. Explain about procedures and functions.

[Total No. of Pages : 2

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THREE YEAR B.Sc.DEGREE EXAMINATION, MARCH - 2022

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

Part - I: COMPUTER SCIENCE

Paper : III : Software Engineering

(W.E.F. 2017-2018)

Time : 3 Hours **Max. Marks : 75**

SECTION - A

Answer any **Five** of the following questions. Each question carries of equal marks. (5×5=25)

1. What is software Engineering?
2. What is requirement engineering?
3. What is function oriented design?
4. What is User interface design?
5. What is Black box testing?
6. What is integration in testing strategies?
7. Write about reverse engineering.
8. What is object-oriented design?

SECTION - B

Answer any one question from each unit. Each question carries equal marks. (5×10=50)

Unit - I

9. Explain about software project planning.

(OR)

10. Explain about software metrics.

Unit - II

11. Explain abut requirement engineering process.

(OR)

12. Explain about Analysis model.

Unit - III

13. Explain about software architecture.

(OR)

14. Explain about strategy of design.

Unit - IV

15. Explain software quality assurance.

(OR)

16. Explain about user interface design.

Unit - V

17. Explain about control structure testing.

(OR)

18. Explain about Re-engineering.

THREE YEAR B.Sc. DEGREE EXAMINATION — JULY 2020

Choice Based Credit System

SIXTH SEMESTER

Part I – Computer Science

Paper DSC — Elective I (C) – WEB TECHNOLOGIES

(w.e.f 2017-2018)

Time : 3 hours Max. Marks : 75

SECTION – A

Answer any FIVE of the following. All questions carry equal marks.

(Marks : 5 × 5 = 25)

1. What is the difference between HTML and XML?
2. Define World Wide Web? Explain uses of WWW.
3. What is Html and What it is used for?
4. Explain Dynamic HTML.
5. What is CSS? Explain uses of CSS.
6. Explain scope variable in JavaScript.
7. Explain variable in JavaScript.
8. Define web browser.

SECTION – B

Answer ONE question from each unit. All questions carry equal marks.

(Marks : 5 × 10 = 50)

UNIT - I

9. Explain how to create table in HTML.

Or

10. Explain about HTML Forms.

[P.T.O.]

UNIT - II

11. Describe the different ways that styles can be added to a page.

Or

12. Discuss the various features of CSS with an example.

UNIT - III

13. State and explain the various types of statements in JavaScript.

Or

14. Explain String functions in JavaScript.

UNIT - IV

15. Explain data validation in HTML.

Or

16. Explain the built in Objects in JavaScript.

UNIT - V

17. Explain XML elements.

Or

18. Define an XML schema. Show how an XML schema can be created?

THREE YEAR B.Sc. (CBCS) DEGREE EXAMINATION — OCTOBER/NOVEMBER 2020

THIRD SEMESTER

PART-II : Computer Sciences

PAPER I — DATA STRUCTURES

(w.e.f 2016-17 only)

Time : 3 hours Max. Marks : 75

SECTION – A

Answer any FIVE questions. Each question carries 5 marks.

All questions carry marks.

(Marks : 5× 5 = 25)

1. What is ADT? Write the advantages of ADT?
2. Differentiate between the Time Complexity and Space Complexity?
3. What are the infix and postfix notations? Explain with suitable examples?
4. What is Binary Search Tree?
5. What are the common Graph applications?
6. What do you mean by Insertion Sort ? How it Occurs?
7. What is Searching?
8. Write about Time complexity of Heap sort?

SECTION – B

Answer any ONE fromeach unit. Each question carries 10 marks.

All questions carry marks.

(Marks : 5 × 10 = 50)

UNIT – I

9. What is Data Structures? Explain about linear and Non linear data structures.

Or

10. Write a program to create, insert, delete operations on linked lists using arrays.

[P.T.O.]

UNIT – II

11. What is a Stack? Write algorithms for Stack Operations?

Or

12. (a) What is a Queue? Explain about Circular Queues.

(b) Write a program to implement a queues.

UNIT – III

13. What is a tree? Explain about representation of Binary trees.

Or

14. (a) Explain about Threaded binary trees.

(b) How to determine the height of a binary search trees?

UNIT – IV

15. What is a Graph? Define the graph terminologies? Explain about DFS.

Or

16. Explain about topological sorting and connectivity in directed graphs.

UNIT – V

17. What do you mean by Merge sort? How it occurs? Explain with example.

Or

18. What is binary searching? Write a program for Bubble sort.

THREE YEAR B.A./B.Com. (CA)/B.Sc. (CA) DEGREE (CBCS) EXAMINATION — OCTOBER/NOVEMBER 2020

FOURTH SEMESTER

Part II — Computer Applications

Paper I — OBJECT ORIENTED PROGRAMMING WITH C++

(W.e.f. 2016-2017)

Time : 3 hours

Max. Marks : 75

SECTION – A

విభాగం – ఎ

Answer any FIVE of the following questions. Each question carries 3 marks.

క్రింది ప్రశ్నలలో ఏవైనా ఐదు ప్రశ్నలకు సమాధానం ఇవ్వండి. ప్రతి ప్రశ్నకు 3 మార్కులను కలిగి ఉంటుంది.

(Marks : 5 × 3 = 15)

1. (a) What are the uses of OOPS?

OOPS యొక్క ఉపయోగాలు ఏమిటి?

(b) Differential between OOPS and Procedural oriented programming.

OOPS మరియు విధానపరమైన ఆధారిత ప్రోగ్రామింగ్ మధ్య భేదం.

(c) Write the structure if C++ Program.

C++ ప్రోగ్రామ్ 'if' నిర్మాణాన్ని వ్రాయండి.

(d) What the data types in C++?

C++ లోని డేటా రకాలు ఏమిటి?

(e) What is an array? Explain types of Arrays.

శ్రేణి అంటే ఏమిటి? శ్రేణుల రకాలను వివరించండి.

(f) Explain key words, identifiers and variables.

ముఖ్య పదాలు, ఐడెంటిఫైయర్‌లు మరియు వేరియబుల్స్ గురించి వివరించండి.

(g) What is constructor? Explain characteristics of constructors.

కన్స్ట్రక్టర్ అంటే ఏమిటి? కన్స్ట్రక్టర్ల లక్షణాలను వివరించండి.

(h) Explain scope resolution operator.

స్కోప్ రిజల్యూషన్ ఆపరేటర్‌ను వివరించండి.

(i) What is a file? Explain I/O operation in a file.

ఫైల్ అంటే ఏమిటి? ఒక ఫైల్‌లో I/O ఆపరేషన్ గురించి వివరించండి.

SECTION – B

విభాగం – బి

Answer ONE question from each Unit. Each question carries 12 marks.

ప్రతి యూనిట్ నుండి ఒక ప్రశ్నకు సమాధానం ఇవ్వండి. ప్రతి ప్రశ్నకు 12 మార్కులు.

(Marks : 5 × 12 = 60)

UNIT – I

2. (a) Explain object oriented paradigm and application of OOPS.

OOPS యొక్క ఆబ్జెక్ట్ ఓరియెంటెడ్ ఉదాహరణ మరియు అనువర్తనాన్ని వివరించండి.

Or

(b) Write about programming languages generations.

ప్రోగ్రామింగ్ భాషల తరాల గురించి వ్రాయండి.

UNIT – II

3. (a) Explain conditional statements and looping statement in C++.

C++ లో షరతులతో కూడిన స్టేట్మెంట్ మరియు లూపింగ్ స్టేట్మెంట్ గురించి వివరించండి.

Or

(b) Define function. Explain inline function and function overloading.

ఫంక్షన్‌ను నిర్వచించండి. ఇన్లైన్ ఫంక్షన్ మరియు ఫంక్షన్ ఓవర్లోడింగ్ గురించి వివరించండి.

UNIT – III

4. (a) Explain objected class, structure and class.

అభ్యంతర తరగతి, నిర్మాణం మరియు తరగతి గురించి వివరించండి.

Or

(b) Explain constructor types.

కన్స్ట్రక్టర్ రకాలను వివరించండి.

UNIT – IV

5. (a) Explain unary, binary and relational operators in C++.

C++ లో యునారీ, బైనరీ మరియు రిలేషనల్ ఆపరేటర్లను వివరించండి.

Or

(b) What is inheritance? Explain types of inheritance in C++.

ఇన్‌హరిటెన్స్ అంటె ఏమిటి? C++ లో ఇన్‌హరిటెన్స్ రకాలను వివరించండి.

UNIT – V

6. (a) Explain files in C++.

C++ లో ఫైళ్ళను వివరించండి

Or

(b) Explain error handling in C++.

C++ లో లోపం నిర్వహణ గురించి వివరించండి.

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THREE YEAR B.Sc. (CBCS) DEGREE EXAMINATION — NOVEMBER/DECEMBER 2020.

SECOND SEMESTER

Part II — Computer Science

Paper I – OBJECT ORIENTED PROGRAMMING WITH C++

(w.e.f. 2016-2017)

Time : 3 hours Max. Marks : 75

SECTION – A

Answer any FIVE of the following. All questions carry equal marks.

(Marks : 5 × 5 = 25)

1. (a) Applications of Object oriented programming.

(b) General Structure of C++ Program.

(c) Data types in C++ language.

(d) cin and cout in C++.

(e) Inline functions in C++.

(f) Static members in C++.

(g) Destructors in C++.

(h) Virtual functions in C++.

(i) Operator overloading in C++.

(j) Command line arguments in C++.

SECTION – B

Answer ONE question from each Unit. All questions carry equal marks.

(Marks : 5 × 10 = 50)

UNIT – I

2. Explain the basic concepts of Object oriented programming.

Or

3. Explain the differences between Procedural and object oriented programming.

UNIT – II

4. Explain various conditional structures in C++.

Or

5. What is an Array? Explain how to create and initialize a single dimensional array in C++ with an example.

[P.T.O.]

UNIT – III

6. Explain Friend functions and Friend classes in C++ with an example.

Or

7. Explain various types of Constructors in C++.

UNIT – IV

8. What is Inheritance? Explain various forms of Inheritance in C++.

Or

9. Explain the differences between function overloading and overriding.

UNIT – V

10. Explain various formatted and unformatted I/O operations in C++.

Or

11. Explain error handling in C++.

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THREE YEAR B.Sc. DEGREE EXAMINATION, AUGUST - 2021

CHOICE BASED CREDIT SYSTEM

FIRST SEMESTER

PART - II : COMPUTER SCIENCES

PAPER - I : PROBLEM SOLVING IN C

(Under CBCS New Regulation w.e.f. the academic year 2020-21)

Time : 3 Hours **Max. Marks : 75**

Note: This question paper contains **Two** parts **A and B.**

Part A is compulsory which carries **25** marks. Answer any **Five** of the following questions in Part A.

Part B consists of **5** Units. Answer any **One** question from each unit. Each question carries **10** marks.

PART - A

భాగము – ఎ

Answer any **Five** of the following questions. **(5×5=25)**

ఈ క్రింది వానిలో ఏవైనా **ఐదు** ప్రశ్నలకు సమాధానములు వ్రాయుము.

1. List the types of Computers?
కంప్యూటర్ల రకాలను జాబితా చేయండి.

2. Write the structure of 'C' programming.
'C' programming యొక్క నిర్మాణాన్ని వ్రాయండి.

3. Write about the Declaration of Arrays.
Declaration of Arrays గురించి వ్రాయండి.

4. Write about Scope of Variables.
వేరియబుల్స్ యొక్క స్కోప్ గురించి వ్రాయండి.

5. Write about the Drawbacks of Pointers.
పాయింటర్ల డ్రాబ్యాక్స్ గురించి వ్రాయండి.

6. What is Structure Programming Language?
Structure Programming లాంగ్వేజ్ అంటే ఏమిటి?

7. Write about Go-to Statements?
Go-to Statements గురించి వ్రాయండి.

8. Write about the Arrays of Structures?
Arrays of Structures గురించి వ్రాయండి.

PART - B
భాగము - బి

Answer All questions. Each question carries 10 marks. (5×10=50)
అన్ని ప్రశ్నలకు సమాధానములు వ్రాయండి. ప్రతి ప్రశ్నకు పది మార్కులు.

UNIT-I

9. a) Define a Computer? Explain about Characteristics and Limitations of Computers?
కంప్యూటర్‌ను నిర్వచించండి? కంప్యూటర్ల లక్షణాలు మరియు పరిమితుల గురించి వివరించండి.

(OR/లేదా)

b) What is an Algorithm? What are the Key Features of an Algorithm? Explain.
Algorithm అంటే ఏమిటి? Algorithm యొక్క ముఖ్య లక్షణాలు ఏమిటి వివరించండి.

UNIT-II

10. a) Explain about the Operators in 'C' Programming.
'C' Programming లో ఆపరేటర్ల గురించి వివరించండి.

(OR/లేదా)

b) Write a program to generate the first n terms of the Fibonacci Sequence.
ఫైబోనాక్సీ సీక్వెన్స్ యొక్క మొదటి n నిబంధనలను రూపొందించడానికి ఒక ప్రోగ్రామ్ రాయండి.

UNIT-III

11. a) What is an Array? Explain about the operations on Arrays.
Array అంటే ఏమిటి? Array operations గురించి వివరించండి.

(OR/లేదా)

b) What is a String? Write an Example program to perform various String Operations?
String అంటే ఏమిటి? వివిధ String Operations చేయడానికి ఉదాహరణ program వ్రాయండి.

UNIT-IV

12. a) Explain about the Functions in 'C' Programming?
'C' Programming లోని Functions గురించి వివరించండి.

(OR/లేదా)

b) What is Structures? Explain about Enumerate data types with an example.
Structures అంటే ఏమిటి? Enumerated data types ను ఉదాహరణతో వివరించండి.

UNIT-V

13. a) Write about Dynamic memory allocation by using Pointers?
పాయింటర్లను ఉపయోగించడం ద్వారా డైనమిక్ మెమరీ కేటాయింపు గురించి వ్రాయండి.

(OR/లేదా)

b) What is a File? Write a program to Read the data character by character from File?
ఫైల్ అంటే ఏమిటి? ఫైల్ నుండి అక్షరాల వారీగా డేటా క్యారెక్టర్ చదవడానికి ప్రోగ్రామ్ వ్రాయండి.

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THREE YEAR B.Sc. DEGREE EXAMINATION, DECEMBER - 2021

SECOND SEMESTER

PART - II : COMPUTER SCIENCE

PAPER - I : Object Oriented Programming with C++

(Under Regulation 2016-17 Supplementary)

(For Candidates who appeared in 2020 Exams or earlier)

Time : 3 Hours **Max. Marks : 75**

SECTION - A

Answer any **FIVE** of the Following Question. Each question carries **Equal** marks. (5×5=25)

1. a) What is Programming Language?
   b) What are the enumerated Data types?
   c) What is Inheritance?
   d) Write about Switch () Statement.
   e) What is Default argument?
   f) What is Overloading?
   g) What is Binary Operator Overloading?
   h) Write about manipulators.
   i) What are the File Handling Methods?
   j) What is Data Streams?

SECTION - B

Answer **ALL** questions. Each Question carries **Equal** marks. **(5×10=50)**

UNIT - I

2. What is OOP? Explain about the basic concepts of OOPS?

(OR)

3. Explain about the Benefits, applications and advantages of OOPs.

UNIT - II

4. Explain about Input and Output statements in C++.

(OR)

5. Explain about Conditional and Looping Statements in C++.

UNIT - III

6. Explain about classes and objects with the help of some real word examples.

(OR)

7. Explain about constructors and Distracters with suitable example program.

UNIT - IV

8. Write a program to increment member variables of objects with overload unary C++ Operators.

(OR)

9. What is inheritance? Explain about the different forms of Inheritance supported in C++.

UNIT - V

10. Explain about C++ Streams with suitable examples.

(OR)

11. Explain about Command Line Arguments.

[Total No. of Pages : 3

THREE YEAR B.Sc. DEGREE EXAMINATION, MAY-2022

CHOICE BASED CREDIT SYSTEM

FIRST SEMESTER

PART - II : COMPUTER SCIENCES

PAPER - I : PROBLEM SOLVING IN C

(Under CBCS New Regulation w.e.f. the academic year 2020-21)

Time : 3 Hours **Max. Marks : 75**

PART - A

Answer any **Five** of the following questions. (5×5=25)

1. What are the applications of Computers?
   కంప్యూటర్ల అనువర్తనాలు ఏమిటి?
2. What are the I/o statements in 'C' Programming?
   'C' Programming లోని I/o స్టేట్మెంట్స్ ఏమిటి?
3. Write about the Flow Charts?
   ఫ్లో చార్టుల గురించి వ్రాయండి?
4. Write about Call by value and Call by Reference?
   Call by value and Call by Reference గురించి వ్రాయండి?
5. What is Command Line Arguments?
   Command Line Arguments అంటే ఏమిటి?
6. Write about Storing values in an Array?
   Array లో Storing Values గురించి వ్రాయండి?
7. Write about Break and Continue Statements?
   Break and Continue స్టేట్మెంట్స్ గురించి వ్రాయండి?
8. What is Recursive Functions?
   Recursive Functions అంటే ఏమిటి?

PART - B

Answer All questions. Each question carries 10 Marks. **(5×10=50)**

ప్రతి యూనిట్ నుండి అంతర్గత ఎంపికతో అన్ని ప్రశ్నలకు సమాధానం ఇవ్వండి.

Unit - I

9. a) Define a Computer? Draw a block diagram of computer Explain it briefly?

Computer ను నిర్వచించాలా? Computer యొక్క బ్లాక్ రేఖాచిత్రాన్ని గీయండి క్లుప్తంగా వివరించండి?

(OR/లేదా)

b) What is a Programming Language? Explain about the generations of programming language?

Programming language అంటే ఏమిటి? Programming language యొక్క తరాల గురించి వివరించండి?

Unit - II

10. a) Explain about data types, Variables and Constants in 'C' Programming Language?

'C' Programming Language లో డేటా రకాలు, వేరియబుల్స్ మరియు స్థిరాంకాల గురించి వివరించండి?

(OR/లేదా)

b) Explain about the Decision control Statements with an example program?

Decision control స్టేట్‌మెంట్‌ల గురించి ఉదాహరణ ప్రోగ్రామ్‌తో వివరించండి?

Unit - III

11. a) What is an Array? Write a program for multiplication of two 2×2 matrices?

Array అంటే ఏమిటి? రెండు 2×2 మాత్రికల గుణకారం కోసం ఒక ప్రోగ్రామ్ వ్రాయండి?

(OR/లేదా)

b) Explain about Character Handling and strings functions in 'C' Program?

'సి' ప్రోగ్రామ్‌లో క్యారెక్టర్ హ్యాండ్లింగ్ మరియు స్ట్రింగ్స్ గురించి వివరించండి?

Unit - IV

12. a) Write a program to demonstrate the swapping of two integer values using Call by value and Call by Address?

Call by value and Call by Address ఉపయోగించి రెండు పూర్ణాంక విలువల మార్పిడిని ప్రదర్శించడానికి ఒక ప్రోగ్రామ్ రాయండి?

(OR/లేదా)

b) Explain about Structures and Functions with an Example Program?

ఉదాహరణ ప్రోగ్రామ్‌తో Structures మరియు Functions గురించి వివరించండి.

Unit - V

13. a) What is a Pointer? Write a program to illustrate Pointer Arithmetic?
పాయింటర్ అంటే ఏమిటి? పాయింటర్ అంకగణితాన్ని వివరించడానికి ఒక ప్రోగ్రామ్ వ్రాయండి?

(OR/లేదా)

b) What is a File? Explain about by using files in 'C' Reading data from file and Writing data to files?
ఫైల్ అంటే ఏమిటి? 'సి' లోని ఫైళ్ళను ఉపయోగించడం ద్వారా ఫైల్ నుండి డేటాను చదవడం మరియు ఫైళ్ళకు డేటా రాయడం ద్వారా వివరించండి?

Total No. of Pages : 2

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THREE YEAR B.Sc. DEGREE EXAMINATION MARCH/APRIL-2017

FIRST YEAR EXAMINATION

PART - II - Computer Science

PAPER - I : PC SOFTWARE AND 'C' PROGRAMMING

(Revised from 2008-2009)

(English Version Only)

Time : 3 Hours

Max. Marks :100

SECTION - A

Answer any **TEN** questions

(10 × 2 = 20)

1. a) Define Memory

   b) Define Real time operating system?

   c) Difference between printer and plotter

   d) What is Software?

   e) What is Template?

   f) Write any two optical input devices

   g) What is Folder?

   h) What is Mail merge?

   i) What is Presentation?

   j) What is Query?

   k) Define Primary key?

   l) Define Compiler?

   m) Define Array?

   n) What is meant by Bit fields?

   o) What is meant by dynamic memory allocation?

SECTION - B

Answer any Eight questions, choosing atleast one from each unit.

(8× 10 = 80)

Unit - I

2. Explain about Memory? **(10)**
3. Explain different types of Operating System? **(10)**
4. Explain different types of Programming Languages and Translators? **(10)**

Unit - II

5. Working with Tables in M.S. Word? Explain. **(10)**
6. How to edit the document in M.S.Word? Explain. **(10)**
7. How to create a presentation by using auto content wizard? Explain. **(10)**

Unit - III

8. What is Database? How to create a table by using Design View? Explain. **(10)**
9. What is meant by Relational database? How to create a Relationship in M.S.Access and explain types of Relationships? **(10)**
10. How to create a chart in M.S.Excel? Explain different types of charts? **(10)**

Unit - IV

11. Explain different operators in 'C' Language? **(10)**
12. Explain call by value and call by reference with examples? **(10)**
13. Write about unconditional control statements? **(10)**

Unit - V

14. Write a 'C' Program searching of a element and its position in list of elements **(10)**
15. Write about Miscellaneous Functions in 'C'? **(10)**
16. Write about input and output functions working with files? **(10)**

❄❄❄

THREE YEAR B.A./B.Com./B.Com. (SPECIALISATION)/B.Sc./B.Sc. (HOME SCIENCE)/
B.Music/B.Dance/B.B.A./B.A. (O.L)/BHM DEGREE EXAMINATION — APRIL/MAY 2018

CHOICE BASED CREDIT SYSTEM

SECOND SEMESTER

Part – I(C)

(ICT-1) COMPUTER FUNDAMENTALS AND OFFICE TOOLS

(For the students admitted during 2015-2016 only)

Time : 2 hours Max. Marks : 50

SECTION - A

సెక్షన్ – ఎ

Answer any FIVE of the following questions. All questions carry equal marks.

ఈ క్రింది ప్రశ్నలలో ఏవైనా ఐదు ప్రశ్నలకు జవాబులు వ్రాయుము. అన్నింటికి సమానమైన మార్కులు.

(Marks : 5 × 2 = 10)

1. What are the applications of computers?
   కంప్యూటర్ అప్లికేషన్లు అనగా ఏమి?

2. What is a task bar on a computer?
   కంప్యూటర్లో టాస్క్బార్ అనగా ఏమి?

3. How to page numbers are put in MS-WORD?
   MS-WORDలో పేజీ సంఖ్యలు ఎలా పెట్టాలి?

4. What is spelling and grammar in MS-WORD?
   MS-WORDలో అక్షర క్రమం మరియు వ్యాకరణం అంటే ఏమిటి?

5. What is slide animaton in MS PowerPoint?
   MS PowerPointలో స్లయిడ్ యానిమేషన్ అనగా ఏమిటి?

6. What is meant by filters in MS-EXCEL.
   MS-EXCEL లో ఫల్టర్లు అంటే ఏమిటి?

7. What is sorting in MS-EXCEL?
   MS-EXCEL లో క్రమీకరించడం ఎలా?

8. Define relationships in MS-ACCESS.
   MS-ACCESS లో సంబంధాలను నిర్వచించండి.

[P.T.O.]

SECTION - B

సెక్షన్ – బి

Answer ONE question from each Unit. All questions carry equal marks.

ఈ క్రింది వాటిలో ప్రతి యూనిట్ నుండి ఒక ప్రశ్నకు సమాధానం వ్రాయండి. అన్ని ప్రశ్నలకు సమానమైన మార్కులు.

(Marks : 5 × 8 = 40)

UNIT – I

9. Discuss the block diagram of computer.
కంప్యూటర్ యొక్క బ్లాక్ రేఖా చిత్రం గురించి చర్చించండి.

Or

10. Write about output devices.
అవుట్పుట్ పరికరాల గురించి వ్రాయండి.

UNIT – II

11. Write about how to format a word document.
పద పత్రాన్ని ఎలా ఫార్మాట్ చేయాలో వ్రాయుము.

Or

12. What is mail merge? Explain it.
మెయిల్ విలీనం గురించి వ్రాయండి.

UNIT – III

13. Explain how to insert audio in MS-PowerPoint slides.
MS-PowerPoint లో స్లయిడ్లో ఆడియోను ఎలా ఇన్సర్ట్ చేయాలో వివరించండి.

Or

14. Explain custom animation in MS-POWERPOINT.
MS-POWERPOINT లో కస్టమ్ అనిమేషన్ను వివరించండి.

UNIT – IV

15. Explain the features of MS-EXCEL.
MS-EXCEL లక్షణాలను వివరించండి.

Or

16. Define chart and explain its types.
పటాలు నిర్వచించండి మరియు దాని రకాలను వివరించండి.

UNIT – V

17. Describe creating database tables without wizard.
విజార్డ్స్ లేకుండా డేటాబేస్ పట్టికలు సృష్టించడం గురించి వ్రాయుము.

Or

18. Explain different relationships in MS-ACCESS.
MS-ACCESS లో వివిధ సంబంధాల గురించి వివరించండి.

3-5-111

THREE YEAR B.Sc. (CBCS) DEGREE EXAMINATION — OCTOBER/NOVEMBER 2019

CHOICE BASED CREDIT SYSTEM

FIFTH SEMESTER

Part I : COMPUTER SCIENCE

Paper II – DATABASE MANAGEMENT SYSTEM

(W.e.f. 2017-2018)

Time : 3 hours Max. Marks : 75

SECTION – A

Answer any FIVE of the following. All questions carry equal marks.

(Marks : 5 × 5 = 25)

1. What is file-based system? List the drawbacks of file-based system.

2. Write a brief note on database architecture.

3. Define attribute. Explain classification of attributes with examples.

4. Write a note on Entity clustering.

5. Explain the advantages of relational algebra.

6. Write a note on functional dependencies.

7. Explain aggregate functions with examples.

8. Write a note on packages in PL/SQL.

SECTION – B

Answer ONE question from each unit. All questions carry equal marks.

(Marks : 5 × 10 = 50)

UNIT I

9. Write a detailed note on data models.

Or

10. Explain the situations where DBMS is not necessary.

[P.T.O.]

UNIT II

11. Explain the steps to reduce ER diagram to tables.

Or

12. Write a detailed note on generalization and specialization.

UNIT III

13. Explain relational algebra operations with examples.

Or

14. Write a detailed note on Normalization.

UNIT IV

15. Explain DDL and DML commands with examples.

Or

16. What is Join? Explain different types of joins in SQL.

UNIT V

17. What is cursor? Explain different types of cursors in PL/SQL.

Or

18. Write a detailed note on Exception handling.

THREE YEAR B.A./B.Com.(CA) AND B.Sc.(CA) DEGREE EXAMINATION,
OCTOBER/NOVEMBER 2019

CHOICE BASED CREDIT SYSTEM

FIRST SEMESTER

Part - II : Computer Applications

Paper - I : FUNDAMENTALS OF COMPUTERS

(Revised syllabus w.e.f. 2016-17)

Time : 3 hours Max. Marks : 75

SECTION – A
విభాగము – ఎ

Answer any FIVE of the following. Each question carrie 3 marks.
ఏవైనా ఐదు ప్రశ్నలకు సమాధానాలు వ్రాయండి. ప్రతి ప్రశ్నకు 3 మార్కులు.

(Marks : 5 × 3 = 15)

1. (a) What is Diligence?
Diligence అనగానేమి?

(b) Track ball.
ట్రాక్‌బాల్.

(c) Plotters.
ప్లాటరు.

(d) Intel.
ఇంటెల్.

(e) CD Recordable.
CD రికార్డ్‌బుల్.

(f) MIDI.
MIDI.

(g) Magnetic tape.
మేగ్నెటిక్ టేప్.

(h) Application Software.
అప్లికేషన్ సాఫ్ట్‌వేర్.

(i) Free Scale.
ఫ్రీ స్కేల్.

(j) Hard Disks.
హార్డ్‌డిస్క్‌లు.

SECTION – B

విభాగము – బి

Answer ALL the questions. Each question carries 12 marks.

అన్ని ప్రశ్నలకు సమాధానాలు వ్రాయండి. ప్రతి యూనిట్ నుండి ఒక ప్రశ్నకు సమాధానం వ్రాయండి.

(Marks : 5 × 12 = 60)

UNIT – I

2. Computer అనగానేమి? Logical Organization యొక్క Digital Computer సహాయంతో Diagram explain చేయండి.

Or

3. Hardware మరియు Software యొక్క భేదములు వ్రాయండి.

UNIT – II

4. Input మరియు Output Devices గురించి వ్రాయండి.

Or

5. PC Projectors Sound Systems గురించి క్లుప్తంగా వివరణ ఇవ్వండి.

UNIT – III

6. వివిధ రకముల Softwares గురించి వ్రాయుము.

Or

7. (a) SCSI

   (b) Serial మరియు Parallel Ports.

UNIT – IV

8. Optical Storage devices గురించి వ్రాయండి.

Or

9. Memory hierarchy గురించి వ్రాయండి.

UNIT – V

10. How to build a computer లో వివిధ రకముల Steps ఏవేవి ఇమిడివున్నాయో క్లుప్తంగా వ్రాయండి.

Or

11. Installing a Software లో ఏవేవి Steps ఉన్నాయో వివరణ ఇవ్వండి.
