

Roll No. 253367100...

ID-1007

PGDCA (First Semester)

EXAMINATION, Dec.-Jan., 2024-25

Paper Second

PROGRAMMING IN 'C'

Time : Three Hours

Maximum Marks : 100

Note : Answer any *two* parts from each question. All questions carry equal marks.

Unit—I

1. (a) What are the operators used in C Language ?

Explain each type of operator with example.

(b) What is operator precedence and associativity ?

Explain in operator precedence and associativity in detail.

P. T. O.

(c) Explain the following :

- (i) String
- (ii) Constant
- (iii) Variable
- (iv) Identifier

Unit—II

2. (a) Write a C program to enter a number by user and check whether the given number is even or odd.
- (b) What is conditional statement ? Explain switch case statement with suitable example.
- (c) Explain while loop and do-while loop with example.

Unit—III

3. (a) What is call by value and call by reference in function ? Explain with suitable example.
- (b) What do you mean by one dimensional and two-dimensional array ? Explain with example.
- (c) Explain the following (any two) :
- (i) User defined function
 - (ii) Library function
 - (iii) Main function

Unit—IV

4. (a) How we can use pointer to access array elements ? Explain with suitable C program.
- (b) What do you mean by pointer ? Explain the use of pointer with suitable example.
- (c) Explain the following (any *two*) :
- (i) Pointer to pointer
 - (ii) Void pointer
 - (iii) Pointer arithmetic

Unit—V

5. (a) Declare a structure to store the details of an Employee as Employee Number, Name, Gender, Salary and mobile number. Initialize the details of 2 Employees and display them.
- (b) What is union ? How is it different from structure ? Explain in brief.
- (c) Explain the following (any *two*) :
- (i) Array within structure
 - (ii) Structure within structure
 - (iii) Pointer to structure

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EXAMINATION, Dec.-Jan., 2024-25

Paper Third

OFFICE AUTOMATION AND TALLY

Time : Three Hours

Maximum Marks : 100

Note : Answer any two questions from each Unit. All questions carry equal marks.

Unit—I

1. Define and explain the utility of the following :
 - (a) My computer
 - (b) Recycle Bin
 - (c) My Documents
2. What is Windows Explorer ? How do you create files and folders using it ?

P. T. O.

3. Explain the concept of Dialup Networking and Phone Dialer.

Unit—II

4. Describe the formatting options available in MS Word.
5. Explain the steps involved in the Mail Merge process.
6. Explain the concept of cell referencing (relative and absolute) in Excel.

Unit—III

7. Explain the steps involved in creating a PowerPoint presentation.
8. Describe the process of adding objects, transitions and animations to a presentation.
9. Describe how to set page layouts and select backgrounds in PowerPoint.

Unit—IV

10. What is a database ? Explain the basic components of a database (tables, queries, forms and reports).
11. Explain the process of data entry and getting assistance with it in MS Access.

12. How do you create reports in MS Access ? Explain their characteristics.

Unit—V

13. Describe the process of recording transactions using vouchers in Tally.

14. Discuss the significance of the following in Tally :

(i) Cash flow and fund flow statements

(ii) Sales and purchase registers

15. How do you configure Tally for tax calculations (e.g., GST, VAT, Income Tax) ?

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P. G. D. C. A. (First Semester)

EXAMINATION, Dec.-Jan., 2024-25

INTRODUCTION TO SOFTWARE

ORGANIZATION

(PGDCA-101)

Time : Three Hours

Maximum Marks : 100

Note : Attempt any two part from each question. All questions carry equal marks.

Unit—I

1. (a) Define computer. Describe the development of computers in detail.
- (b) Explain the generations of computers.
- (c) Write the use, components and evolution of personnel computers.

P. T. O.

Unit--II

2. (a) What is register ? Write the types of registers also.
- (b) Discuss the primary storage in detail.
- (c) Explain the data storage and retrieval system in brief.

Unit—III

3. (a) Define software. Write the needs of software. Discuss free domain and open source software with example.
- (b) Describe the functions of operating systems.
- (c) Explain the Booting process and types of Reboot.

Unit—IV

4. (a) Discuss the generations of languages.
- (b) Define information. Write the characteristics of information also.
- (c) Describe the program development steps in detail.

Unit—V

5. (a) Explain the types of networks in detail.
- (b) Write short notes on the following :
- (i) Growth of Internet
 - (ii) Internet service provider
- (c) Discuss the following media :
- (i) Bridge
 - (ii) HUB
 - (iii) Router
 - (iv) Gateway