Exam Code: 408801   Paper Code: 1279
Diploma in Computer Applications - Semester I
Course Title: Information Technology and Operating System
Course Code: DCAL-1111

Time: 3 Hours   Max. Marks: 70

Note: Attempt five questions, selecting one question from each section. The fifth question can be attempted from any section. Each question carries 14 marks.

Section A

Q1) Explain various components of computer in detail.   (14)
Q2) a) Explain working of keyboard and mouse.   (9)
       b) What is software? Explain its types.   (5)

Section B

Q3) Explain workings of scanner and bar code reader.   (14)
Q4) a) Differentiate between RAM and ROM.   (5)
       b) What do you mean by secondary storage device? Explain hard disk in detail.   (9)

Section C

Q5) What is operating system? Explain its features.   (14)
Q6) a) Differentiate between linker and loader.   (5)
       b) Explain types of operating system.   (9)

Section D

Q7) Explain anatomy of a window in detail.   (14)
Q8) Explain the following:-
       a) Color settings
       b) Folder
       c) Copying Vs Moving
       d) Taskbar   (4 * 3.5 = 14)

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Diploma in Computer Applications (Semester-I)
Course Title: PC Computing-I (Back Office Operations)
Course Code: DCAL-1112

Examination Time: 3Hrs   Marks: 70

Note: Attempt 5 questions, selecting atleast one from each of section each section. Fifth Question can be attempted from any section. Each Question carries 14 marks. Draw diagrams to support the answer, wherever applicable.

Section-A

Q1. a) What is Word Processing? Explain different features of Word Processing — 10

b) Explain the purpose of ruler in MS-Word — 4

Q2   a) What do you mean by creation and opening of a documents — 4

b) What do you mean by page setup? Explain page margin and page orientation — 5

c) Explain cut, copy and paste commands in MS-Word — 5

Section-B

Q3   a) What is Table in MS-Word? How we can insert table into a document? — 9

b) Write the procedure for addition of new rows and columns into a table — 5

Q4   a) What is the purpose of adding pictures and page colour? — 5

b) What is the use of power point presentation? Explain — 9

Section-C

Q5   a) Explain Slide view, Notes view and Slide sorter view — 9

b) How can you create graph in a slide — 5

Q6   a) How can we use animation to make a presentation look better — 7

b) How do you add music to the presentation — 7

Section-D

Q7   a) What is worksheet? Write advantages of using worksheet — 6

b) What do you mean by cell, cell pointer and cell address — 6

c) Explain SUM and MIN function in MS-Excel — 2

Q8   a) How can you print a worksheet? — 4

b) How can you take print preview of your worksheet? — 4

c) How can you create a graph? Write down all the steps? — 6

Diploma in Computer Applications - Semester I
Course Title: Programming in C
Course Code: DCAL-1113

Time: 3 Hours   **Max. Marks: 70**

Note: Attempt five questions, selecting one question from each section. The fifth question can be attempted from any section. Each question carries 14 marks.

SECTION-A

Q1:- What are the fundamentals data types in C? Explain the use of each type of data type. (14)

Q2:- What are the meanings of precedence and associativity of operators in C with an example? (14)

SECTION-B

Q3:- What are the different library functions for formatted input or output in C? Explain giving examples. (14)

Q4:- Write down the purpose of the switch statement. Summarize the syntax rules associated with the use of switch statement. Explain with an example. (14)

SECTION-C

Q5:- Define recursion. Write a recursive function for finding the factorial of a number. (14)

Q6:- Discuss the various storage classes available in C. (14)

SECTION-D

Q7:- a) Write a program using the structure to get the details of the students which includes Roll no., Name, Subject Name and Marks from the user and print it.

b) Differentiate between Structure and Union. (9, 5)

Q8:- Define pointer. How a pointer variable can be declared and how can it be accessed? Why are pointers better than arrays? Explain with a program example. (14)

(For Reappear Candidates only (2023-24))

Exam Code: 408801   Paper Code: 9119

Diploma in Computer Applications (Semester-I)
Course Title: Programming in C
Course Code: DCAL-1113

Time: 3 Hours   **Max. Marks: 80**

Note: Attempt five questions, selecting one question from each section. The fifth question can be attempted from any section. Each question carries 16 marks.

SECTION-A

Q1:- What are the fundamentals data types in C? Explain the use of each type of data type.   (16)

Q2:- What are the meanings of precedence and associativity of operators in C with an example?   (16)

SECTION-B

Q3:- What are the different library functions for formatted input or output in C? Explain giving examples.   (16)

Q4:- Write down the purpose of the switch statement. Summarize the syntax rules associated with the use of switch statement. Explain with an example.   (16)

SECTION-C

Q5:- Define recursion. Write a recursive function for finding the factorial of a number.   (16)

Q6:- Discuss the various storage classes available in C.   (16)

SECTION-D

Q7:- a) Write a program using the structure to get the details of the students which includes Roll no., Name, Subject Name and Marks from the user and print it.

b) Differentiate between Structure and Union.   (10, 6)

Q8:- Define pointer. How a pointer variable can be declared and how can it be accessed? Why are pointers better than arrays? Explain with a program example.   (16)

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