

PART - I

Answer any 5 questions from 1 to 6. Each correct answer carries 1 score. (5 × 1 = 5)

- Which of the following is not a character constant in C++ ?
(a) 'M' (b) 'a'
(c) '9' (d) 4
- Built-in function to find the length of a string
(a) strcat () (b) strlen ()
(c) strcmp () (d) abs ()
- Which among the following is an empty tag ?
(a)
 (b) <HTML>
(c) <FRAMESET> (d) <FORM>

4. Consider the code given below :

```
var x = 5;  
z=++x;
```

Write the value of variable z.

- Which SQL command is used to display all records from the table ?
- In ERP analysis and redesign of work flow within an enterprise is called _____.

PART - II

Answer any 9 questions from 7 to 18. Each correct answer carries 2 scores. (9 × 2 = 18)

- (a) Define an array in C++. (1)
(b) Consider the array declaration given below :
int a[3] = {2, 3, 4}
What is the value of a[1] ? (1)
- Differentiate between static and dynamic page.
- List the different ways of implementing CSS in HTML.
- Briefly explain any four text formatting tags in HTML.
- Differentiate between <Frame> and <Frameset> tag in HTML.

12. (a) Name the keyword used for declaring a variable in JavaScript. (1)
(b) What are the datatypes used in JavaScript? (1)
13. Differentiate dedicated hosting and Freehosting.
14. (a) Define Content Management System. (1)
(b) Define Responsive web design. (1)
15. (a) Define DBMS. (1)
(b) In DBMS, what is the degree and cardinality of the table containing 4 rows and 5 columns? (1)
16. Explain different levels of abstraction in DBMS.
17. (a) What is the difference between the datatypes char and varchar in SQL? (1)
(b) What is view in SQL? (1)
18. (a) What is GPS? (1)
(b) Name the technology used to send multimedia content using mobile phones. (1)

PART – III

Answer any 9 questions from 19 to 29. Each correct answer carries 3 scores. (9 × 3 = 27)

19. Briefly explain any three jump statements in C++.
20. (a) Write the name of function used to input and output a string in C++. (1)
(b) Write an array initialization for the string "VIBGYOR" (2)
21. Distinguish between call by value and call by reference method.
22. Identify the built in functions in C++ for the following requirements given below.
(a) To check whether a given character is alphabet or not.
(b) To join two strings
(c) To return the number 7 from -7.
23. Design the following using appropriate list tag in HTML
Input Devices
(1) Keyboard
(2) Mouse
(3) Joystick

24. (a) Name the tag used to insert Music and Video in a web page. (1)
(b) Differentiate between cellpadding and cellspacing. (2)
25. Briefly explain the three ways of adding scripts to a web page.
26. Define constraint in SQL. List any four constraint.
27. Define the following with examples : (1)
(a) DDL (1)
(b) DML (1)
(c) DCL (1)
28. (a) Define Enterprise Resource Planning. (1)
(b) List any four functional units of ERP. (2)
29. (a) What is mobile computing ? (1)
(b) Write any three cyber crime against individuals. (2)

PART – IV

Answer any 2 questions from 30 to 32. Each correct answer carries 5 scores. (2 × 5 = 10)

30. (a) In C++, what are the four components of a looping statement ? (2)
(b) Rewrite the following for loop using while loop.
int i, sum = 0;
for (i = 1; i <= 10; i++)
sum = sum + i; (3)
31. (a) Define container tag and empty tag with example in HTML. (2)
(b) Write any four attributes of <body> tag in HTML. (2)
(c) Write the name of the HTML tag and its attribute used to insert an image in a webpage. (1)
32. (a) List any four Users in DBMS. (2)
(b) Briefly explain any 3 advantages of DBMS. (3)