



**SECOND YEAR HIGHER SECONDARY  
SECOND TERMINAL EXAMINATION, DECEMBER-2023**

Part – III

Time : 2 Hours

**COMPUTER APPLICATION**

Cool-off time : 15 Minutes

**(COMMERCE)**

Maximum : 60 scores

**General Instructions to Candidates :**

- There is a 'Cool-off time' of 15 minutes in addition to the writing time.
- Use the 'Cool-off time' to get familiar with questions and to plan your answers.
- Read questions carefully before answering.
- Read the instructions carefully.
- Calculations, figures and graphs should be shown in the answer sheet itself.
- Malayalam version of the questions is also provided.
- Give equations wherever necessary.
- Electronic devices except non-programmable calculators are not allowed in the Examination Hall.

**വിദ്യാർത്ഥികൾക്കുള്ള പൊതുനിർദ്ദേശങ്ങൾ :**

- നിർദ്ദിഷ്ട സമയത്തിന് പുറമെ 15 മിനിറ്റ് 'കൂൾ ഓഫ് ടൈം' ഉണ്ടായിരിക്കും.
- 'കൂൾ ഓഫ് ടൈം' ചോദ്യങ്ങൾ പരിചയപ്പെടാനും ഉത്തരങ്ങൾ ആസൂത്രണം ചെയ്യാനും ഉപയോഗിക്കുക.
- ഉത്തരങ്ങൾ എഴുതുന്നതിന് മുമ്പ് ചോദ്യങ്ങൾ ശ്രദ്ധാപൂർവ്വം വായിക്കണം.
- നിർദ്ദേശങ്ങൾ മുഴുവനും ശ്രദ്ധാപൂർവ്വം വായിക്കണം.
- കണക്ക് കൂട്ടലുകൾ, ചിത്രങ്ങൾ, ഗ്രാഫുകൾ, എന്നിവ ഉത്തരപേപ്പറിൽ തന്നെ ഉണ്ടായിരിക്കണം.
- ചോദ്യങ്ങൾ മലയാളത്തിലും നല്കിയിട്ടുണ്ട്.
- ആവശ്യമുള്ള സ്ഥലത്ത് സമവാക്യങ്ങൾ കൊടുക്കണം.
- പ്രോഗ്രാമുകൾ ചെയ്യാനാകാത്ത കാൽക്കുലേറ്ററുകൾ ഒഴികെയുള്ള ഒരു ഇലക്ട്രോണിക് ഉപകരണവും പരീക്ഷാഹാളിൽ ഉപയോഗിക്കുവാൻ പാടില്ല.

**Answer any 5 questions from 1 to 6. Each carries 1 score.**

**(5 × 1 = 5)**

1. The tag used to embed scripts is \_\_\_\_\_.
2. The main attribute of <IMG> is \_\_\_\_\_.
3. In JavaScript, variables can be declared using the keyword \_\_\_\_\_.
4. Write an example for popular FTP client software.
5. A set of possible data values is called \_\_\_\_\_.  
(a) Attribute (b) Domain  
(c) Tuple (d) Degree
6. The command used to edit the structure of a table in SQL is \_\_\_\_\_.

**Answer any 9 questions from 7 to 18. Each carries 2 scores.**

**(9 × 2 =**

7. Write the names of any two jump statements in C++.
8. List any two tokens and write their uses.
9. Give the port number for the following :  
(a) HTTP  
(b) SMTP
10. There are three kinds of lists in HTML. Write the names of any two of them.
11. Your friend wants to connect her webpage to www.gmail.com. Write the tag and i attribute required for this.
12. \_\_\_\_\_, string and \_\_\_\_\_ are the basic data types in JavaScript.

13. List the names of any two built-in functions of JavaScript.
14. Differentiate between Degree and Cardinality of a relation.
15. What is data independence ? Which are two levels of data independence ?
16. Give the names of any two components of SQL.
17. What is the difference between CHAR and VARCHAR in SQL ?
18. (a) What is a View in SQL ?  
(b) Creation of a View needs SELECT command. State whether True or False.

**Answer any 9 questions from 19 to 29. Each carries 3 scores.**

**(9 × 3 = 27)**

19. (a) An array element is accessed using \_\_\_\_\_.  
(b) Consider an array declaration `int a[3]={2,3,4};`  
What will be the output of the following ?
  - (i) `cout<<a[1];`
  - (ii) `cout<<a[0]+a[2];`
20. Write any two mathematical functions and their uses in C++.
21. Compare Static and Dynamic webpages.
22. (a) Differentiate between Internal and External linking.  
(b) Name the tag used to create hyperlink in a webpage.
23. Write the HTML code to display the following :
  - (1) Biology Science
  - (2) Computer Science
  - (3) Commerce

24. Which are the ways to add scripts to a webpage ?
25. Write any three properties of Dedicated hosting.
26. What is CMS ? Explain its use. Give one example for CMS.
27. Mention the names of any three users of DBMS.
28. (a) The SQL operator \_\_\_\_\_ is used in pattern matching.  
(b) Pick the odd one out. Give reason.  
CREATE, INSERT, UPDATE, SELECT
29. Explain about any three aggregate functions in SQL.

**Answer any 2 questions from 30 to 32. Each carries 5 scores.**

**(2 × 5 = 10)**

30. (a) Write the attribute of <UL>.  
(b) Write the full form of URL.  
(c) Explain the HTML tag used to create a definition list.
31. (a) What is undefined datatype in JavaScript ?  
(b) \_\_\_\_\_ is used as string addition operator in JavaScript.  
(c) Which are the logical operators in JavaScript ?
32. (a) Storing of same data in different places is called \_\_\_\_\_.  
(b) Write any four advantages of DBMS.
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