



Class No. :

2046

Name :

**SECOND YEAR HIGHER SECONDARY
SECOND TERMINAL EXAMINATION, DECEMBER-2022**

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. Pick out the exit controlled loop from the following :

(while, switch, for, do ... while)

2. The last subscript in the array A[10] is _____

3. Variables used in the function definition is called _____ parameters.

4. The port number of HTTP is _____

(443, 23, 80, 110)

5. The keyword used to declare a variable in JavaScript is _____

6. Which among the following is NOT an example for FTP client software ?

(CuteFTP, Joomla, FileZilla)

Answer any 9 questions from 7 to 17. Each carries 2 scores.

(9 × 2 = 18)

7. (a) List the type conversions in C++ .

(b) Give example for each.

8. Compare break and continue statements in C++.

9. Write Array initialisation statement to store the numbers 15, 20, 25, 30, 35 in an array NUM.
10. Find the memory allocation (in bytes) for the following :
- (a) double list[5];
 - (b) int score[5];
11. (a) Define Modular programming. (1)
(b) Write any two advantages of modular programming. (1)
12. Write any four attributes of <BODY> tag.
13. Which tag and attribute is used to insert an image in a web page ?
14. Write any four Form controls that can be created using <INPUT> tag.
15. Fill the blanks in the following :
- JavaScript code
- ```
<SCRIPT = "JavaScript">
..... .write("Computer Application");
</SCRIPT>
```
16. (a) What is CMS in web designing ?  
(b) Give one example.
17. In DBMS, define the following :
- (a) Degree
  - (b) Domain

Answer any 9 questions from 18 to 28. Each carries 3 scores.

(9 × 3 = 27)

18. Differentiate switch statement and if.... else if ladder statements in C++.

19. Consider the following C++ code :

```
int main()
{
char str[20] ;
cin>>str;
cout<<str;
}
```

(a) What will the output if you enter the string "GOOD MORNING" ? Justify your answer.

(b) Write an alternative for cin to input a string in C++.

20. Compare Call by value and Call by reference methods in functions.

21. (a) Compare Client side scripts with Server side scripts. (2)

(b) Write an example for Client side Scripting language. (1)

22. Classify the following into container tags and empty tags :

(<FONT>, <H1>, <HR>, <B>, <MARQUEE>, <IMG>)

23. (a) Which are the different types of lists in HTML?

(b) Write the tag used to create each list in HTML.

24. (a) List any two attributes of <TABLE> tag. (1)

(b) Write HTML code to display the following table : (2)

| Batch    | Boys | Girls |
|----------|------|-------|
| Science  | 25   | 30    |
| Commerce | 28   | 32    |

25. Categorise the following into suitable data types in JavaScript :

"Computer", 75, "123", false, "true", 67.4

26. Write the JavaScript built-in function used to do the following :

(a) To find the character at a particular position in a string

(b) To check whether the data stored in a variable is a number or not.

(c) To convert the string "Hello" to "HELLO".

27. Which type of hosting is suitable for a multinational company ? Write any two of its features.

28. Explain different levels of data abstraction.

Answer any 2 questions from 29 to 31. Each carries 5 scores. (2 × 5 = 10)

29. (a) What are the elements of a loop ? (2)

(b) Identify the elements of the following for loop :

```
for(i=1; i<=5; i=i+2)
```

```
{
```

```
sum=sum+i;
```

```
}
```

```
cout<<"sum=" <<sum;
```

(c) What will be the output of the above code ? (1)

30. What will be the result of following C++ statements ?

- (a) `strlen("Hello");`
- (b) `pow(3,2);`
- (c) `strcmp("COMPUTER", "COMPUTER");`
- (d) `isalnum(2);`
- (e) `sqrt(64);`

31. (a) Differentiate internal hyper linking and external hyper linking in HTML. (2)

(b) Which tag is used to create hyperlinks in HTML? (1)

(c) Write HTML code to create a hyperlink to the website "[www.dhsekerala.gov.in](http://www.dhsekerala.gov.in)" on clicking the text "dhse". (2)