



Reg. No. : .....

**SY 646**

Name : .....

**SECOND YEAR HIGHER SECONDARY MODEL  
EXAMINATION, FEBRUARY 2025**

**Part – III  
COMPUTER APPLICATION (COMMERCE)**

**Maximum : 60 Scores**

Time : 2 Hours

Cool-off Time : 15 Minutes

**General Instructions to Candidates :**

- There is a 'Cool off time' of 15 minutes in addition to the writing time.
- Use cool off time to set 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 മിനിട്ട് 'കൂൾ ഓഫ് ടൈം' ഉണ്ടായിരിക്കും.
- കൂൾ ഓഫ് ടൈം ചോദ്യങ്ങൾ പരിചയപ്പെടാനും ഉത്തരങ്ങൾ ആസൂത്രണം ചെയ്യാനും ഉപയോഗിക്കുക.
- ഉത്തരങ്ങൾ എഴുതുന്നതിന് മുമ്പ് ചോദ്യങ്ങൾ ശ്രദ്ധാപൂർവ്വം വായിക്കണം.
- നിർദ്ദേശങ്ങൾ ശ്രദ്ധാപൂർവ്വം വായിക്കണം.
- കണക്ക് കൂട്ടലുകൾ, ചിത്രങ്ങൾ, ഗ്രാഫുകൾ, എന്നിവ ഉത്തരപേപ്പറിൽ തന്നെ ഉണ്ടായിരിക്കണം.
- ചോദ്യങ്ങൾ മലയാളത്തിലും നൽകിയിട്ടുണ്ട്.
- ആവശ്യമുള്ള സ്ഥലത്ത് സമവാക്യങ്ങൾ കൊടുക്കണം.
- പ്രോഗ്രാമുകൾ ചെയ്യാനാകാത്ത കാൽക്കുലേറ്ററുകൾ ഒഴികെയുള്ള ഒരു ഇലക്ട്രോണിക് ഉപകരണവും പരീക്ഷാഹാളിൽ ഉപയോഗിക്കുവാൻ പാടില്ല.

**Score****PART – I****Answer any 5 questions from 1 to 6. Each carries 1 score.****(5×1=5)**

1. Basic building blocks of C++ program are called \_\_\_\_\_.
2. Number, string and \_\_\_\_\_ are the datatypes in JavaScript.
3. Which of the following is not an example for content management system ?
  - a) WordPress
  - b) Drupal
  - c) Joomla!
  - d) Filezilla
4. The candidate key which is not a primary key is called \_\_\_\_\_
5. Name the keyword used with SELECT command to eliminate duplicate records.
6. Which among the following is an open source ERP package ?  
Oracle, Odoo, SAP, Tally ERP.



**Score****PART – II****Answer any 9 questions from 7 to 18. Each carries 2 scores.****(9×2=18)**

7. Given `int M [ ] = {13, 20, 25};`

Give the output for

a) `cout << M [0];`

**(1)**

b) `cout << M [1] + 2;`

**(1)**

8. List any 4 string functions in C++.

9. Compare empty tags and container tags with an example each.

10. Write any four attributes of `< BODY >` tag.



11. Write the name and use of any two associated tags of `< TABLE >` tag.

12. Write HTML statement to divide the browser window into two sections horizontally in the ratio 70:30.

13. Explain any two data types in JavaScript with example.

14. List the users of a database.

**Score**

15. Based on the relations given, find the result of the following relational algebraic expressions :

**ARTS**

Name	Class
Abhijith	H1
Anu	S2

**SPORTS**

Name	Class
Anu	S2
Arshad	H2

i)  $\text{ARTS} \cap \text{SPORTS}$ .

**(1)**

ii)  $\text{ARTS} - \text{SPORTS}$ .

**(1)**

16. List any four aggregate functions in SQL.



17. Expand DDL and DML. Give 2 example commands for both.

18. Write short note on SMS.

**PART – III**

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

**(9×3=27)**

19. Explain 3 jump statements in C++.

20. a) Define an Array.

**(1)**

b) What does the declaration `int mark[100];` mean ?

**(2)**

**Score**

21. Define Modular programming. Write any two advantages of modular programming.
22. Identify the header files used in C++ for the following built-in functions :
- a) strlen()                      b) getchar()                      c) isdigit()
23. Differentiate between client side scripting and server side scripting.
24. Write and explain various Heading Tags.
25. Write the output of the following JavaScript built-in functions :
- a) x="JavaScript"; (1)  
y=x.charAt(4);  
alert(y);
- b) isNaN("13") (1)
- c) x="JavaScript"; (1)  
n = x.length;  
alert(n);
26. List and explain the different types of web hosting methods.
27. Describe any three column constraints in SQL.



**Score**

**28.** Expand ERP. Explain how it benefits an organisation.

**29.** Explain any three cyber crimes against individuals.

**PART – IV**

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

**(2×5=10)**

**30. a)** Which are the components of a looping statement ? **(2)**

**b)** Identify different components of a loop in the following code : **(2)**

a = 20; sum = 0;

do {

sum += a;

a = a + 5;

}while (a <=40);



**c)** What do you mean by exit controlled loop ? **(1)**

**31. a)** Explain different types of lists in HTML with appropriate tags. **(3)**

**b)** List any 4 values of type attribute of <INPUT> tag. **(2)**

**32. a)** Expand DBMS. **(1)**

**b)** Explain components of DBMS. **(4)**