

Reg. No. :

Code No. 1052

Name :

Second Year – March 2016

Time : 2 Hours
Cool-off time : 15 Minutes

Part – III

COMPUTER APPLICATION (Commerce)

Maximum : 60 Scores

General Instructions to Candidates :

- There is a 'cool-off time' of 15 minutes in addition to the writing time of 2 hrs.
- You are not allowed to write your answers nor to discuss anything with others during the 'cool-off time'.
- Use the 'cool-off time' to get familiar with questions and to plan your answers.
- Read questions carefully before answering.
- All questions are compulsory and only internal choice is allowed.
- When you select a question, all the sub-questions must be answered from the same question itself.
- 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.

നിർദ്ദേശങ്ങൾ :

- നിർദ്ദിഷ്ട സമയത്തിന് പുറമെ 15 മിനിറ്റ് 'കൂൾ ഓഫ് ടൈം' ഉണ്ടായിരിക്കും. ഈ സമയത്ത് ചോദ്യങ്ങൾക്ക് ഉത്തരം എഴുതാനോ, മറ്റുള്ളവരുമായി ആശയവിനിമയം നടത്താനോ പാടില്ല.
- ഉത്തരങ്ങൾ എഴുതുന്നതിന് മുമ്പ് ചോദ്യങ്ങൾ ശ്രദ്ധാപൂർവ്വം വായിക്കണം.
- എല്ലാ ചോദ്യങ്ങൾക്കും ഉത്തരം എഴുതണം.
- ഒരു ചോദ്യനമ്പർ ഉത്തരമെഴുതാൻ തെരഞ്ഞെടുത്തു കഴിഞ്ഞാൽ ഉപചോദ്യങ്ങളും അതേ ചോദ്യനമ്പറിൽ നിന്ന് തന്നെ തെരഞ്ഞെടുക്കേണ്ടതാണ്.
- 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.

1. Which among the following is an Insertion Operator ?
(a) << (b) >> (c) < (d) > (Score : 1)

2. What are the main components of a looping statement ? (Scores : 2)

3. How do continue and break statement differ in a loop ? Explain with an example.
(Scores : 3)

4. Answer any **one** question 4(a) or 4(b).

(a) Write a C++ program to accept a string and count the number of words and vowels in that string. (Scores : 5)

OR

(b) Write a C++ program to accept N integer numbers and find the sum and average of even numbers. Use array to store numbers. (Scores : 5)

5. Answer any **one** question 5(a) or 5(b).

(a) How memory is allocated for a float array ? (Scores : 2)

OR

(b) How can we initialize an integer array ? Give an example. (Scores : 2)

6. Consider the following code :

```
char S1[ ] = "program"  
char S2[ ] = "PROGRAM"  
int n;  
n = strcmpi(S1,S2)
```

What is the value of n ?

(a) n = 0
(b) n = 1
(c) n > 1
(d) n < 0 (Score : 1)

7. Explain any three stream functions for I/O operation. (Scores : 3)
8. Write a code to do the following :
(a) A function named largest accept two integer numbers and return the largest number.
(b) Use this function to find the largest of two numbers. (Scores : 3)
9. The default port number of http is
(a) 20
(b) 80
(c) 110
(d) 53 (Score : 1)
10. Write HTML tag to set the colour of hyperlink to red.
(a) ``
(b) ``
(c) `<BODY LINK="Red">`
(d) `<BODY ALINK="Red">` (Score : 1)
11. A webpage is created to display the result of engineering entrance examination.
(a) What type of webpage it is ?
(b) Mention any two features of it. (Scores : 2)
12. Consider the following list created using HTML.
D. Laptop
E. Desktop
F. PRINTER
What will be the value of START and TYPE attribute of `` tag ?
(a) `START="D" TYPE="A"`
(b) `START="4" TYPE="A"`
(c) `START="4" TYPE="I"`
(d) `START="D" TYPE="I"` (Score : 1)

13. Explain the HTML tag <table> and its attributes. (Scores : 3)

14. Develop a webpage to display the following login screen.

Application No.	<input type="text"/>
Password	<input type="text"/>
<input type="button" value="Login"/>	

Write JavaScript to do the following validation :

- (a) The application number should be in the range 10000 to 99999.
- (b) The password should contain atleast 8 characters.

(Scores : 3)

15. Identify the odd one :

- (a) Word Press
- (b) File Zilla
- (c) Joomla
- (d) Drupal

(Score : 1)

16. What type of hosting package is suitable for a multinational online shopping site ?
Mention any two advantages of the package.

(Scores : 2)

17. What is the need of registering a domain name for a website ? Explain the procedure of domain name registration.

(Scores : 3)

18. _____ level describes only a part of a database.

- (a) View
- (b) Physical
- (c) Logical
- (d) None of these

(Score : 1)

19. What is relational algebra ? Explain any three relational algebra operations. (Scores : 5)

20. _____ keyword is used in SELECT query to eliminate duplicate values in a column.

- (a) UNIQUE
- (b) DISTINCT
- (c) NOT NULL
- (d) PRIMARY

(Score : 1)

Answer any **one** question from the following **21(a)** or **21(b)** :

Consider the following table named ACCOUNTS :

Acc. No.	Name	Branch	Amount
1001	Anil	Trivandrum	30000
1002	Sanjay	Ernakulam	130000
1003	Meera	Kottayam	275000
1004	Sneha	Kottayam	50000
1005	Rajan	Thrissur	75000

21. (a) Write SQL statements to do the following :

- (i) Display all the details of accounts with amount greater than 50000 in Ernakulam branch.
- (ii) Display Acc. No., Branch and Amount in the descending order of amount.
- (iii) Display the number of accounts in each branch.

(Scores : 3)

OR

(b) Write SQL statements to do the following :

- (i) Add a new record into the table.
- (ii) Update the amount of Sanjay to 100000.
- (iii) Delete the details of Anil.

(Scores : 3)

22. How will you add a new column to an existing table using SQL statement ? (Scores : 2)
23. Briefly explain any two ERP related technology. (Scores : 3)
24. _____ is an open source ERP software.
(a) SAP
(b) Tally ERP
(c) Oracle
(d) Odoo (Score : 1)
25. _____ is a Linux based mobile operating system from Google.
(a) ios
(b) Blackberry
(c) Android
(d) Windows Phone (Score : 1)
26. _____ is a packet oriented mobile data service on GSM. (Score : 1)
27. Raju sends a short text message to his friend. Explain how the text message is exchanged. (Scores : 2)
28. What is Industrial Property Right ? Write a short note on any two Industrial Property Right. (Scores : 3)
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