

HIGHER SECONDARY EXAMINATION, MODEL QUESTION PAPER, FEBRUARY 2010

PART III- COMPUTER APPLICATION(COMMERCE)

MAX SCORE:60

TIME :2 Hrs

COOL OFF TIME:15 Min

General instructions to the candidate

- 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 during cool off time
- Use this time to familiarise with the questions and plan your answers
- Read questions carefully before answering , all questions are compulsory.

- 1 Raju has created a VB program in which he wants to make a text box as non editable. How can he do this? (1 score)
- 2 _____ control in VB is commonly used to give titles to other controls which do not have caption property (1 score)
- 3 Devi has developed a VB program that implements the use of file system controls. How can she limit the type of files to be displayed in fileListBox. (1 score)
- 4 The candidate key which is not selected as primary key is called _____ (1 score)
- 5 _____ is used for giving comment statements in HTML (1 score)
- 6 Predict the output of the following
Dim i As Integer
For i = 1 To 30
If i Mod 7 = 0 Then
Print i
End If
Next i (2 score)
- 7 Java is considered to be platform independent. Which feature of JAVA makes it so? (2 score)
- 8 Explain the SET DIFFERENCE operation in relational algebra. Give example (3 score)
- 9 Write the HTML code for the following
- | |
|---|
| <u>Data communication Protocols</u> |
| FTP
Set of rules for the secure transfer of files from one computer to other |
| TCP/IP
Layered set of protocols, responsible for transmitting data over INTERNET |
| HTTP
An application level protocol supporting Hypermedia information systems |
- (3 score)
- 10 Consider the Schema BOOK(Bookno,Title, Author, Price). Give relational algebraic expressions for the following
- Display the details of books written by 'R.S.Pressman'
 - List the Book number and title of all books
- (2 score)
- 11 Discuss the difference in working of pass-by-value and pass-by- reference methods in Visual basic. Illustrate with examples (3 score)
- 12 The database details are normally hidden or abstracted to simplify user's interaction. What are the different possible levels at which this abstraction is being done. (3 score)
- 13 Suppose that your browser doesnot support <FRAMESET> tag. Which alternative is available to handle this situation (2 score)

14 Compare between option button and check box in visual basic (3 score)

15 Predict the output of the following

```
Dim A,B as string
A="welcome to Visual Basic"
B= Mid(A,6,1)+Mid(A,15,1)+(Right(A,3)
```

Print B (2 score)

15 Match the following

1. Domain	1 self contained segment of code in VB
2. Stretch	2 non visible control at run time
3. Procedures	3 decides position of output form
4. Schema	4 A property of scroll bar
5. Timer	5. Pool of values from which values are selected for a cell in a field
6. Form layout window	6. describes overall logical design of database

(3 score)

16 Briefly describe the features of DHTML and XML

(4 score)

17 What is the role of transceiver in data communication

(2 score)

18 The existence of a physical channel for communication broadly classifies transmission media as guided and unguided. Discuss in detail any one of its kind from each category.

(5 score)

OR

19 Collisions can be avoided to an extent by following proper channel access methods. Discuss the different channel access methods used in data communication

(5 score)

20 Design a VB program that stores the total marks of students in a class. Prepare and display the ranklist of the same.

(5 score)

21 Once a system proposal is approved, a detailed investigation and fact recording of new system is required. Describe any two commonly used fact recording methods

(3 score)

OR

22 Tools are the technical aid of representation for system analysis results. Discuss any two commonly used system analysis tools.

(3 score)

23 Hyperlinks allows us to navigate through hypertext documents

a. Which tag in HTML allows linking of documents

(1 score)

b. differentiate between internal linking and external linking

(2 score)

23 Create a table BOOK with following fields- Bookno NUMBER,book name CHARACTER, author name CHARACTER, price NUMBER. Bookno being primary key.

Write SQL commands for the following

a. Insert data in all fields(3 records)

b. Display the details of books in ascending order of its names

c. List the details of books whose price falls in the range of Rs.3000 to Rs.5000

d. Retrieve the bookno and book name of those books whose author name starts with letter 'S'

(5 score)