

**B.Sc. Part—III (Semester—V) Examination**  
**5S : COMPUTER APPLICATION (Voc.)**  
**(Java and ASP Programming)**

Time : Three Hours]

[Maximum Marks : 80

- N.B. :—** (1) Question No. 1 is compulsory.  
 (2) Question Nos. 2 to 13 carry equal marks.  
 (3) Draw neat sketches wherever necessary.  
 (4) Assume suitable data wherever necessary.

1. (A) Fill in the blanks :

- (i) JVM stands for \_\_\_\_\_.  
 (ii) Class is a collection of \_\_\_\_\_.  
 (iii) \_\_\_\_\_ tag is used for unordered list in HTML.  
 (iv) <TH> tag is used as \_\_\_\_\_.

2

(B) Choose the correct option :

- (i) && is a \_\_\_\_\_ operator.  
 (a) Logical OR (b) Logical AND  
 (c) Logical NOT (d) Logical X-OR
- (ii) HTML is a type of \_\_\_\_\_ language.  
 (a) Programming (b) Markup  
 (c) Machine (d) Assembly
- (iii) Java is a type of \_\_\_\_\_ language.  
 (a) Machine (b) Object oriented programming  
 (c) Scripting (d) None
- (iv) HTML can not support \_\_\_\_\_ feature.  
 (a) Markup (b) Programming  
 (c) Scripting (d) None

2

(C) Answer in one sentence each :

- (i) What is the role of <TITLE> tag ? Explain.
- (ii) What is operator ?
- (iii) What is Applet ?
- (iv) What is static web page ?

4

2. (A) What is security platform independence and portability ? Explain with suitable example.

6

(B) Explain the following terms :

- (i) OOP
- (ii) JVM.

6

**OR**

3. (A) State and explain various benefits and application of Java Programming Language.

6

(B) Explain the following :

- (i) Java Byte Code
- (ii) Java Support System.

6

4. (A) Write a Java program to print following triangle :

```

      *
     * *
    * * *
   * * * *
  * * * * *
 
```

6

(B) Explain any six data types of Java with one example each.

6

**OR**

5. (A) Write a Java program to decide the given number is positive or negative or zero.

6

(B) Explain the following :

- (i) Assignment statement in Java
- (ii) Operator in Java.

6

6. (A) What is object ? Explain it with the help of class with example.

6

(B) What is method overloading ? Explain.

6

**OR**

7. (A) Explain the following :

- (i) Garbage collection
- (ii) Abstract method.

6

(B) What is inheritance ? Explain its different types.

6

8. (A) Write HTML Code to display following output :

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Courses		
Science	Arts	Commerce
B.Sc.	B.A.	B.Com.
M.Sc.	M.A.	M.Com.

6

- (B) Explain the following :

- (i) <Table> tags  
(ii) <Body> tag.

6

OR

9. (A) Explain various List tags with example.

6

- (B) Explain the following :

- (i) PRE  
(ii) FONT  
(iii) TITLE.

6

10. (A) What is server side and client side scripting in ASP ? Explain.

6

- (B) What is dynamic web pages ? Explain.

6

OR

11. (A) Explain different data types in ASP with suitable example.

6

- (B) Explain various constants in ASP with example.

6

12. (A) What is encapsulation ? Explain.

6

- (B) Explain the following :

- (i) Caching  
(ii) Expiration of content.

6

OR

13. (A) Explain the methods :

- (i) Clear  
(ii) End

6

- (B) What is Collection ? Explain various request object collection in detail.

6

