

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) An _____ is a runtime entity.
 - (ii) _____ tag is used for ordered list.
 - (iii) OOP stands for _____.
 - (iv) A new class is derived from a base class using _____ mechanism. 2
- (b) Choose the correct alternative :
- (i) A function name having same name of class is the :
 - (a) Inline function (b) Constructor
 - (c) Both (a) and (b) (d) None of these
 - (ii) _____ compiler is used to compile Java program.
 - (a) Javac (b) Java
 - (c) Javap (d) None
 - (iii) A _____ tag is used to link the external files such as CSS.
 - (a) HEAD (b) LINK
 - (c) IMG (d) None
 - (iv) _____ attribute aligns the table.
 - (a) Magrin (b) Align
 - (c) Shift (d) None 2
- (c) Answer in **one** sentence each :
- (i) What does ASP stand for ?
 - (ii) What is variable ?
 - (iii) What is attribute ?
 - (iv) What is empty tag ? 4
2. (a) What is object oriented programming paradigm ? Explain it. 6
- (b) Explain various features of Java. 6

OR

3. (a) Explain :
- (i) Java virtual machine
 - (ii) Platform independence. 6
- (b) Explain :
- (i) Java support system
 - (ii) Java byte code. 6

- 4. (a) Write a program that prints numbers from 1 to 10 and find sum of all numbers. 6
- (b) What is control statement ? Give the difference between while and do-while statements. 6

OR

- 5. (a) What is type conversion and casting ? Explain with example. 6
- (b) Write a program that finds a factorial of a given number. 6
- 6. (a) What is method overloading ? Explain with example. 6
- (b) How can we create object of a class ? Explain with example. 6

OR

- 7. (a) Explain the following :
 - (i) Garbage collection
 - (ii) Static members. 6
- (b) Compare method overloading with method overriding. 6
- 8. (a) Explain the following tags :
 - (i) <body>
 - (ii) <title>
 - (iii) <link> 6
- (b) Explain the <A> anchor tag with suitable example. 6

OR

- 9. (a) Explain Colspan and Rowspan with cample. 6
- (b) Write HTML code for the following :

Name	Subject		Total	Remark
	Sub1	Sub 2		
Nita	70	70	140	None
Rahul	80	80	160	
Ganesh	90	90	180	

- 10. (a) What is dynamic web pages ? Explain with one example. 6
- (b) Explain :
 - (i) GET
 - (i) POST. 6

OR

- 11. (a) What is data types ? Explain the data types used in ASP. 6
- (b) What is scripting ? Explain with its types. 6
- 12. (a) Explain the following :
 - (a) Form
 - (b) Query string
 - (c) Redirection. 6
- (b) What do you mean by collection ? Explain various collections of Request object. 6

OR

- 13. (a) Explain :
 - (i) Events
 - (ii) Write method. 6
- (b) What is encapsulation ? Explain it. 6