

**B.Sc. (Part-III) Semester-VI Examination****6S : COMPUTER APPLICATION (VOC.)****(Advanced Java and ASP)**

Time : Three Hours]

[Maximum Marks : 80

**N.B. :—** (1) All questions are compulsory.

(2) Draw neat sketches wherever necessary.

(3) Assume suitable data wherever necessary.

1. (a) Fill in the blanks :

(i) ASP is an acronym of \_\_\_\_\_.

(ii) The wrapping up of data and functions into a single unit is called \_\_\_\_\_.

(iii) The return type of main method in Java is \_\_\_\_\_.

(iv) Command to execute compiled Java program is \_\_\_\_\_.

2

(b) Choose the correct alternative :

(i) The word 'true' in Java is a \_\_\_\_\_.

(a) A Java keyword

(b) A boolean literal

(c) Same as value 1

(d) Same as value zero

(ii) Which of the following is a selection statement in Java ?

(a) for( )

(b) continue

(c) break

(d) if( )

(iii) ASP is a \_\_\_\_\_ side technology.

(a) Client

(b) Server

(c) Host

(d) None of the above

(iv) A cookie is often used to \_\_\_\_\_.

(a) Create user

(b) Remove user

(c) Identify user

(d) None of the above

2

(c) Answer in **one** sentence each :

(i) What is JVM ?

(ii) What is client side scripting ?

(iii) What is a dynamic web page ?

(iv) What is a constructor ?

4

2. (A) State and explain declaration and initialization of multidimensional array.

6

(B) What is a string in Java ? How is it processed ?

6

**OR**

3. (A) Explain the procedure to add a class to a package. Give example.

6

(B) Write a program for sorting elements of an array.

6

(B) Explain the following terms :

(i) Types Exception.

(ii) Nested TRY statement.

6

OR

5. (A) Explain the exception handling in Java with example.

6

(B) Write a Java program to determine the greatest number among three numbers.

6

6. (A) State and explain the difference between Applets and Applications.

6

(B) Explain the following terms :

(i) Applet tag.

(ii) Applet code.

6

OR

7. (A) Explain the life cycle of an applet.

6

(B) Explain the following terms :

(i) Executable applet.

(ii) Applet tag.

6

8. (A) What is application object ? Explain various object method.

6

(B) Write an ASP to create and print cookies.

6

OR

9. (A) What is a session object ? Explain various properties of session object.

6

(B) What is a cookie ? Explain its operation.

6

10. (A) Explain the use of 'global.asa' file with suitable example.

6

(B) Explain the error handling process along with types of errors.

6

OR

11. (A) How will you create and debug an ASP script ? Explain with example.

6

(B) Explain the following terms :

(i) Session event code.

(ii) Conditional tracing.

6

12. (A) Explain database connectivity with ODBC.

6

(B) Explain the following terms :

(i) Server object.

(ii) Field object.

6

OR

13. (A) Explain the content linking component of ASP.

6

(B) Explain the following terms in ASP with suitable examples :

(i) Connection object.

(ii) Record set.

6