

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

4. (A) Explain multithreading in Java. Give example. 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