

B.Sc. (Part-II) Semester-VI Examination
COMPUTER APPLICATIONS (VOC)
(Advanced Java and ASP)

Time : Three Hours]

[Maximum Marks : 80

- Note** :— (1) Question No. 1 is compulsory.
(2) Assume suitable data wherever necessary.
(3) Illustrate your answer with the help of neat sketches wherever necessary.

1. (A) Fill in the blanks ($\frac{1}{2}$ marks each) :
- (i) The _____ are run on client side.
 - (ii) The ADO _____ object is used to hold a set of records from a database table.
 - (iii) _____ occurs every time when a user ends a session.
 - (iv) The Applet class is contained in the _____ package. 2
- (B) Choose correct alternatives :
- (i) Which one of the following is collection of request object ?
 - (a) Cookies
 - (b) Object
 - (c) ad Rotator
 - (d) Binary Read
 - (ii) _____ is used to interpret and execute Java applet class by HTML.
 - (a) Applet execute
 - (b) Applet viewer
 - (c) Applet teacher
 - (d) Applet run
 - (iii) Which of the following is (are) properties of ASP Error objects ?
 - (a) File
 - (b) Line
 - (c) Number
 - (d) All of the above
 - (iv) Which is used to start a thread execution ?
 - (a) Wait()
 - (b) Start()
 - (c) Run()
 - (d) none 2
- (C) Answer in **one** sentence each :
- (i) What is meant by Applet Code ?
 - (ii) What is meant by ASP error ?
 - (iii) What is transient variable ?
 - (iv) What method is used to specify a container's layout ? 4
2. (A) Explain API package with example. 6
(B) WAP in Java to sort a given array of integers in ascending order. 6
- OR**
3. (A) What is array ? Explain its type with examples. 6
(B) How class can be added to a package ? Explain with suitable examples. 6

4. (A) Write a program in Java for exception handling. 6
(B) Explain the following:
(i) Threads
(ii) Multiple catch. 6
5. (A) Explain nested try statement with example. 6
(B) Explain the following:
(i) Thread priorities
(ii) Synchronization. 6
6. (A) Explain repaint method and its necessity. 6
(B) Explain life cycle method of an applet. 6
7. (A) Write an Applet for displaying banner. 6
(B) How do you pass parameter to an applet? Give a suitable example. 6
8. (A) Explain the following terms:
(i) Object collection
(ii) Object method. 6
(B) What is meant by cookies? Describe how cookies can be created and retrieved. 6
- OR**
9. (A) Write an ASP showing use of cookies. 6
(B) Describe any three properties of session objects. 6
10. (A) Explain types of errors with suitable examples. 6
(B) Describe the conditional tracing with example. 6
- OR**
11. (A) What is event? Explain application events. 6
(B) Explain the use of global .asa file with suitable example. 6
12. (A) Explain any three methods of server object. 6
(B) Write an ASP document to insert a row into an Access table. Assume suitable data. 6
- OR**
13. (A) Explain OLEDB connectivity with ASP. 6
(B) Explain the properties of ASP Adrotator component. 6