

B.Sc. Part—III Semester—VI Examination
COMPUTER SCIENCE
(Advance Java & VB.Net)

Time : Three Hours]

[Maximum Marks : 80

Note :—(1) All questions are compulsory.

- (2) Question No. 1 carries 8 marks and all other questions carry 12 marks each.
 (3) Assume suitable data wherever necessary.
 (4) Draw neat sketches and diagrams wherever necessary.

1. (A) Fill in the blanks :

- (i) A user defined exception class need to be extended from ____.
- (ii) Applets does not have ____ method.
- (iii) The ____ keyword is used to instantiate an object.
- (iv) ____ is a bridge between a Data Set and Data Source for retrieving and saving data. 2

(B) Choose correct option and rewrite answer :

- (i) The default event of TextBox control is :
- (a) Click event (b) Load event
 (c) TextChanged event (d) MouseDown event
- (ii) ____ is used to retrieve the data residing in a data store or database.
- (a) Data Adapter (b) Data Provider
 (c) Data Source (d) Data Set
- (iii) ____ Block is executed only when exception occurs in the program.
- (a) Throw (b) Finally
 (c) Try (d) Catch
- (iv) Which package provides many event classes and Listener interfaces for event handling ?
- (a) java.awt.Graphics (b) java.awt
 (c) java.awt.applet (d) java.awt.event 2

(C) Answer in one sentence each :

~~(i)~~ What is thread ?

~~(ii)~~ What is the tool used to execute an applet ?

~~(iii)~~ What is constructor ?

(iv) What is delegate ?

2. (A) What is exception ? State and explain the need to handle exception.

(B) Write procedure to create your own exception.

OR

3. ~~(A)~~ Explain predefined exception with suitable example.

~~(B)~~ What is thread ? Explain thread class with suitable example.

4. ~~(A)~~ Explain life cycle of an applet.

~~(B)~~ What is applet context ? Give the difference between Java Application and Applet.

OR

5. (A) What is Graphics Class ? Explain.

(B) How parameters can be passed to an applet ? Explain.

6. (A) Explain Java AWT Checkboxes with example.

(B) Explain Event Listener interface.

OR

7. (A) Explain Delegation model.

(B) Explain Java AWT Hierarchy.

8. (A) Explain following functions with syntax and example :

~~(i)~~ MsgBox()

~~(ii)~~ InputBox()

~~(B)~~ Explain ListBox with any three properties and any three methods with example.

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9. (A) Explain Rich Text Box control with any three properties and any three methods.

(B) Explain the following controls with any two properties and any two methods :

(a) Combo Box

(b) Check Box

10. ✓(A) Define class and object. Explain with syntax class definition and creating objects. 6

(B) What are delegates ? Explain delegate with syntax and example. 6

OR

11. (A) List down the steps to attach a class with a form. 6

(B) Explain structured exception handling with suitable example. 6

12. ✓(A) What is ADO.Net ? Explain ADO.Net object model. 6

✓(B) Explain Data Adapter with its method. 6

OR

13. (A) Explain Data Provider and its types use in ADO.Net. 6

(B) Write a program to connect to database and execute query to display data from table. 6

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