B. C. A. (Sem. V) Examination

October / November - 2016

501 : Java Programming

Time : 3 Hours]   [Total Marks : 70

1 (a) Answer the following questions :   **4**

   (1) Define the terms : Encapsulation, Object.

   (2) List out all benefits of OOPs.

   (3) Explain : public static void main(String[ ] args).

   (4) How to create constants in JAVA ?

   (b) Answer the following questions : (any two)   **14**

   (1) Write a JAVA program to swap number using two variables.

   (2) What is type casting ? Explain its types with suitable example.

   (3) Write a short note : Array in JAVA.

2 (a) Answer the following questions :   **3**

   (1) Difference between: Method Overloading and Method Overriding.

   (2) How to access static method ? Explain it with suitable example.

   (3) List out Visibility controls.

(b) Answer the following questions : (any two) **14**
 (1) What is nested method ? Explain.
 (2) Write a JAVA program to demonstrate Multilevel inheritance.
 (3) Short note : Abstract class.

3 (a) Answer the following questions : **4**
 (1) Define : Interface, Package.
 (2) List out any four JAVA API packages.
 (3) Draw a diagram of life cycle of Thread.
 (4) What is Vector class ?

 (b) Answer the following questions : (any two) **14**
 (1) Write a JAVA program to demonstrate thread using Runnable interface.
 (2) How to access class from Package ? Describe.
 (3) How to create multiple interfaces ? Elaborate.

4 (a) Answer the following questions : **3**
 (1) List out types of exception in JAVA.
 (2) How applet run using HTML code ? Explain.
 (3) Write syntax of nested try in exception of JAVA.

 (b) Answer the following questions : (any two) **14**
 (1) Short note : Custom Exception.
 (2) How is top passing parameters in applet ? Describe.
 (3) Describe any three methods from Graphics Class.

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