PSMCAT101 - Paper-I : Java Concepts

P. Pages : 2

Time : Three Hours

Max. Marks : 80

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Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labeled diagram and use supporting data wherever necessary.
3. Avoid vague answer and write specific points/ answer related to questions.

Either:

1. a) Explain in detail various control structures in Java. **8**

b) Write a Java program to check whether seller made a profit or loss if sales price and purchase price is inputted through keyboard. **8**

OR

c) Explain for loop with its syntax & example in detail. **8**

d) What is array? Explain two dimensional array in detail. **8**

Either:

2. a) Define package. Explain in detail user defined package. **8**

b) Describe exception classes in detail. **8**

OR

c) Write in detail about Hybrid inheritance. **8**

d) Write a program in Java to demonstrate exception handling. **8**

Either:

3. a) Explain following. **8**
i) Linked list.
ii) Tree list.

b) What is serialization? Explain the steps involved in object serialization. **8**

OR

c) Write a note on. **8**
i) Array list class.
ii) Priority queue class.

d) Write a program to demonstrate. Linked list class. **8**

Either:

4. a) Draw and explain applet life cycle methods in detail. **8**

b) Write a program to pass parameter to applet. **8**

OR

c) Explain cookies and session tracking in detail. **8**

d) Explain how get and post request is handled. **8**

5. Attempt all questions.

a) Write short note on Java virtual machine. **4**

b) Write a note on multithreading. **4**

c) What is serialization? Explain the steps involved in object serialization. **4**

d) Explain JDBC connectivity with sample code. **4**

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