

SEAT No. \_\_\_\_\_

[A-24]

**SARDAR PATEL UNIVERSITY**  
Post Graduate Diploma in Computer Applications II Semester Examinations  
**PS02CDCA23 (Object Technology)**

Date: 16/04/2018

Time: 10:00 am to 1:00 pm

Marks: 70

Q-1      Select the appropriate answer for the following questions:      [08]

1. Java is \_\_\_\_\_.
  - (a) Object oriented
  - (b) Platform independent
  - (c) Secure
  - (d) All of these
2. Ternary link associates \_\_\_\_\_ entities.
  - (a) 1
  - (b) 2
  - (c) 3
  - (d) Many
3. \_\_\_\_\_ is a key concept of OT.
  - (a) Object
  - (b) Metadata
  - (c) Link
  - (d) None of these
4. Output of a java compiler is \_\_\_\_\_.
  - (a) Byte code
  - (b) Virtual data
  - (c) Key data
  - (d) Big data
5. \_\_\_\_\_ is a key mechanism of object technology.
  - (a) Motivation
  - (b) Education
  - (c) Robustness
  - (d) None of these
6. Aggregation is a \_\_\_\_\_ type of relationship.
  - (a) Weak
  - (b) Type of
  - (c) Part of
  - (d) None of these
7. Java program visible in a browser is called java \_\_\_\_\_.
  - (a) Applet
  - (b) Application
  - (c) Thread
  - (d) None of these
8. \_\_\_\_\_ is an access modifier in java.
  - (a) Void
  - (b) Static
  - (c) Public
  - (d) None of these

①

[P.T.O.]

- Q-2 Answer the following questions (ANY SEVEN). [14]
1. Give anatomy of java program by giving a sample java code.
  2. List any three features of java programming language.
  3. Give general structure of if – else programming statement of java. Also provide an example of it.
  4. List only the three key success factors for object technology.
  5. Give any three advantages of using model.
  6. Define metadata with example.
  7. What is role name? Give an example.
  8. Explain use of threads in java.
  9. Explain the term exceptional handling in brief.
- Q-3[A] Define and discuss in brief the key concepts of java. [06]
- [B] Find key concepts and key mechanisms in a typical library management system. [06]
- OR
- [B] Find key concepts and key mechanisms in typical online shopping system. [06]
- Q-4[A] Explain concept of modeling association as class by giving suitable example. [06]
- [B] What is Aggregation? Explain three types of aggregation in brief. [06]
- OR
- [B] Give any one class diagram in proper format. Also provide two instances of it. [06]
- Q-5[A] Explain how java provides platform independence. [06]
- [B] Write a complete java code that defines an array of any 10 integer numbers and finds as well as prints sum of these 10 integers. [06]
- OR
- [B] Explain final class, final method and final variable in java. [06]
- Q-6[A] Write a parameterized constructor of an Employee class with all parameters such as employee code, employee name, and joining date. Use this constructor in method to create two instances of the employee class with new() operator. [06]
- [B] What is java applet? Explain in detail steps to develop java applet. [06]
- OR
- [B] What is stream in java? List and explain three standard streams of java. [06]