

Total No. of Questions : 5]

SEAT No. :

**PD513**

[Total No. of Pages : 2

**[6468]-65**

**T.Y. B.Sc. (Computer Science)**

**CS-365 : OBJECT ORIENTED PROGRAMMING USING JAVA - II**  
**(Revised 2019 Pattern) (Semester - VI)**

*Time : 2 Hours]*

*[Max. Marks : 35*

*Instructions to the candidates:*

- 1) All questions are compulsory.
- 2) Figures to the right indicates full marks.
- 3) Assume suitable data if necessary.

**Q1)** Attempt any eight of the following. (out of Ten) **[8×1=8]**

- a) What is collection?
- b) Define JDBC.
- c) What is default priority in multithreading?
- d) Give syntax of doGet() method.
- e) List any two implicit objects in JSP.
- f) Give any two application of spring framework.
- g) State constructors of TreeSet class.
- h) Write the use of yield().
- i) What is purpose of class for Name().
- j) Define session in servlet.

**Q2)** Attempt any four of the following. (out of five) **[4×2=8]**

- a) Differentiate between thread class and runnable interface.
- b) What is use of commit() in transactions in Java.
- c) Write a general syntax of include directive in JSP.
- d) Write purpose of setContentType().
- e) Differentiate between set and list interface.

**P.T.O.**

**Q3)** Attempt any two of the following. (out of three) **[2×4=8]**

- a) Write a JSP program to accept the details of teacher (tid, name, salary, subject) from user and store it into the database.
- b) Write a java program to display the even numbers between 1 to 100. Each number should display after 5 seconds. [use sleep()]
- c) Write a java a program to accept details of employee (Eid, Name, Salary) from user and store it into the database.

**Q4)** Attempt any two of the following. (out of three) **[2×4=8]**

- a) Explain the life cycle of thread.
- b) Write a java program to accept n numbers from user store them into the linkedlist collection and display only negative integers.
- c) Write a JSP program to display all the perfect numbers between 1 to n in blue color.

**Q5)** Attempt any one of the following. (out of two) **[1×3=3]**

- a) Explain JDBC process in details.
- b) Explain inter thread communication in details.

