

Total No. of Questions : 5]

SEAT No. :

**PB1895**

**[6237]-605**

[Total No. of Pages : 2

**T.Y. B.Sc.**

**COMPUTER SCIENCE**

**CS-365 : Object Oriented Programming Using Java - II  
(Revised 2019 Pattern) (CBCS) (Semester - VI) (Paper - V)**

*Time : 2 Hours]*

*[Max. Marks : 35*

*Instructions to the candidates:*

- 1) All questions are compulsory.*
- 2) Figures to the right indicate full marks.*

**Q1)** Attempt any EIGHT of the following.

**[8×1=8]**

- a) Define List Interface.
- b) What is JDBC?
- c) How to start a Thread?
- d) List the types of Servlets.
- e) What is JSP?
- f) What is Spring Framework?
- g) Define Hashtable.
- h) What is use of for Name ( )
- i) Write the purpose of join ( )
- j) How to activate Session in Servlet?

**Q2)** Attempt any FOUR of the following.

**[4×2=8]**

- a) Differentiate between Iterator and List Iterator.
- b) What is Resultset Interface? List any two methods.
- c) List the parameters of doPost ( ) in servlet.
- d) List any two implicit objects in JSP.
- e) State any two methods of inter-thread communication.

**P.T.O.**

**Q3)** Attempt any TWO of the following. **[2×4=8]**

- a) Write a Java Program to accept n characters from user, store them into Linkedlist, remove duplicate characters & display in sorted order.
- b) Write a Java Program to accept details of employee (eno, ename, salary), store it into database and display it.
- c) Write a JSP program to accept a number from user and convert it into words (eg 123 – o/p → One Two Three).

**Q4)** Attempt any TWO of the following: **[2×4=8]**

- a) Explain the Life Cycle of Servlet.
- b) Write a program using Multi Threading to blink a text on frame.
- c) Explain JDBC process with an example.

**Q5)** Attempt any ONE of the following: **[1×3=3]**

- a) Explain any three applications of spring.
- b) Differentiate between JSP & Servlet.

