

Total No. of Questions : 5]

SEAT No. :

P5161

[5823] - 605

[Total No. of Pages : 2

T.Y. B.Sc.

COMPUTER SCIENCE

**CS - 365 : Object Oriented Programming Using Java - II
(2019 Pattern) (Semester - VI) (CBCS) (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 map interface.
- b) What is use of wait ()?
- c) What is use of get connection ()?
- d) What is scriptlet?
- e) What is purpose of JSP directives?
- f) Define spring framework.
- g) Give the name of JDBC API.
- h) Define Iterator Interface.
- i) What is ArrayList?
- j) Define cookie.

Q2) Attempt any FOUR of the following.

[4×2=8]

- a) How to create thread?
- b) List JDBC driver.
- c) Differentiate between set & list interface.
- d) Write any two methods of HTTP_session.
- e) What are the applications of spring?

P.T.O.

Q3) Attempt any TWO of the following.

[2×4=8]

- a) Write a JDBC program to accept details of Book (B_id, B_name, B_cost) from user & display it.
- b) Write a java program in multithreading to display all the alphabets between 'A' to 'Z'. Each alphabet should display after two seconds.
- c) Write a JSP script to check whether given number is perfect or not & display the result in yellow colour.

Q4) Attempt any TWO of the following.

[2×4=8]

- a) Write a servlet program to count the number of times a servlet has been invoked [use cookies].
- b) Explain life cycle of thread.
- c) Differentiate between statement & prepared statement interface.

Q5) Attempt any ONE of the following.

[1×3=3]

- a) Explain JDBC architecture.
- b) Write a java program to accept 'n' numbers from user, store them into LinkedList collection. Display only odd numbers.

