

Total No. of Questions : 5]

SEAT No. :

PC-1591

[Total No. of Pages : 2

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T.Y. B.Sc.

COMPUTER SCIENCE

CS - 365 : Object Oriented Programming Using Java - II

(Revised 2019) (Semester - VI)

*Time : 2 Hours]*

*[Max. Marks : 35*

*Instructions to the candidates :*

- 1) *Answer all questions.*
- 2) *Figures to the right indicate full marks.*

**Q1)** Attempt any Eight of the following (out of ten) :

**[8 × 1 = 8]**

- a) List any two collection interface.
- b) What is multithreading?
- c) What is metadata?
- d) Write a syntax of comment in JSP.
- e) What are the parameters of doPost ().
- f) What is spring framework?
- g) Define map interface.
- h) State any two methods of inner thread communication.
- i) Define Result set interface.
- j) Define cookies.

**Q2)** Attempt any four of the following (out of five)

**[4 × 2 = 8]**

- a) How to create a thread in multithreading?
- b) Differentiate between prepared statement & statement.
- c) State any two methods for session tracking.
- d) What are the advantages of servlet over CGI?
- e) Write any two differences between ArrayList & linked list.

**P.T.O.**

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

- a) Write a JSP program to accept student name, address & class & display it on next page in tabular format.
- b) Write a java program to display the odd numbers between 1 to 100. Each number should display after 5 second. (Use sleep())
- c) Write a java program to accept the details of student (Rno, Name, Percentage) from user & store it into the database using prepared statement interface.

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

- a) Explain the life cycle of JSP.
- b) Write a java program to accept 'n' Employee names through command line store them into the ArrayList collection and display them (use iterator interface).
- c) Write a JSP program to display all the prime numbers between 1 to n in Red colour.

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

- a) Explain JDBC Architecture.
- b) Explain synchronization in detail.

