



II B.Tech II Sem Regular End Examination, August 2021

JAVA PROGRAMMING**(CSE & INF)****Time: 3 Hours.****Max. Marks: 70**

Note: 1. Answer any FIVE questions.

2. Each question carries 14 marks and may have a, b as sub questions.

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| 1 | a) | Write a Java program to calculate total and average to five values. Pass input values as constructor parameter | 7M | C01 | BL2 |
| | b) | Explain about the method overriding with an example | 7M | C01 | BL4 |
| 2 | a) | Write a program to find the factorial of a given number | 7M | C01 | BL2 |
| | b) | Explain about the different types of operators used in java programming | 7M | C01 | BL4 |
| 3 | a) | Create a class called Student. Write a student manager program to manipulate the student information from files by using FileInputStream and FileOutputStream | 7M | C02 | BL5 |
| | b) | Describe the process of importing and accessing a package in java with suitable examples. | 7M | C02 | BL3 |
| 4 | a) | Define an interface. What is the use of an interface in java | 7M | C02 | BL1 |
| | b) | Describe producer consumer pattern using inter-thread communication | 7M | C03 | BL3 |
| 5 | a) | Differentiate between thread based multitasking and process based multitasking | 7M | C03 | BL5 |
| | b) | Write a program to implement the array index out of bound exception | 7M | C03 | BL2 |
| 6 | a) | Explain about the HashSet in Java. How to implement the HashSet in java with an example | 7M | C04 | BL4 |
| | b) | Write a program to add, remove and replace element in an ArrayList | 7M | C04 | BL2 |
| 7 | a) | Explain about the Java collection interface methods | 7M | C04 | BL4 |
| | b) | What are the methods supported by KeyListener interface explain with an examples | 7M | C05 | BL1 |
| 8 | a) | Develop a simple banner applet using repaint()method to scroll a message from left to right and across the applets window | 7M | C05 | BL5 |
| | b) | Explain about the different types of layout managers | 7M | C05 | BL4 |