



B.Tech II Year I Semester Supplementary Examinations, July 2022
Object Oriented Programming through Java

(CSE)

Maximum Marks: 70

Date: 29-07-22

Duration: 3 hours

- Note:
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Differentiate between c++ and java.
- 2 What do you mean by garbage collection?
- 3 Write differences between interfaces vs. Abstract classes?
- 4 Define dynamic binding? With an example?
- 5 What is the purpose of Hash table class?
- 6 What are the methods of Scanner Class?
- 7 What is Inter thread communication and why it is important?
- 8 Write the usage of throw and throws keywords?
- 9 Distinguish between swings vs AWT?
- 10 Draw an Applet life cycle?

Part-B

Answer All the following questions.

(10M X 5=50Marks)

- 11 a) Define Method overloading? Mention Its types? With examples.
b) Explain about Console class and its methods with an example? [5+5]
- OR
- 12 a) Write about control statements in java with suitable examples?
b) Describe the features (buzzwords) of Java Programming language? [5+5]
- 13 a) With the help of a java program explain the use of the final keyword?
b) What is package? With an example explain how packages are imported? [5+5]
- OR
- 14 a) Define an Interface? And explain how the interfaces are implemented with suitable example?
b) Define Abstraction. How to achieve it in Java. Explain suitable example? [5+5]

- 15 a) Draw Thread Life cycle with neat diagram explain each phase in detail?
b) Differentiate between Checked and Unchecked Exceptions with examples. [5+5]

OR

- 16 a) Write with an example how java performs thread synchronization?
b) Write about try, catch and finally with an example? [5+5]
- 17 a) Differentiate between ArrayList and Vector? Why ArrayList is faster than Vector? Explain.
b) Explain about String Tokenizer class with suitable Example? [5+5]

OR

- 18 Discuss about Java Collection frame work with an example. [10]

- 19 a) Discuss about some components in swing with suitable examples?
b) Discuss about developing and deploying of an applet with an example? [5+5]

OR

- 20 What is Layout manager? List and explain different types of Layout managers with Suitable examples. [10]