

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - III Computer Science & Engineering : SUMMER : 2025
SUBJECT: ITC-I: OBJECT ORIENTED METHODOLOGY

Day : Monday
Date : 19/05/2025

S-25314-2025

Time : 02:30 PM-05:30 PM
Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagram **WHEREVER** necessary.
- 4) Assume suitable data, if necessary.

Q.1 Explain about Java virtual Machine and discuss the importance of bytecode to get platform independence of Java program. (10)

OR

Q.1 List Relational operate in JAVA. Write simple Java program to read input from keyboard. (10)

Q.2 Explain the use 'this' keyword with suitable example. (10)

OR

Q.2 Describe the difference between method overriding and method overloading with the help of suitable example. (10)

Q.3 Describe the following string method with suitable example. (10)
i) ToLowerCase() ii) ComapareTo()
iii) Concat() iv) CharAt(n)

OR

Q.3 How to create object in Java? Does Java support object destructor. Justify your answer with suitable example. (10)

Q.4 Define inheritance and describe the types of inheritance with its syntax. (10)

OR

Q.4 How to run time polymorphism is achieved? Explain it with suitable example. (10)

Q.5 Explain with suitable example suspending and resuming threads in Java. (10)

OR

Q.5 Describe thread life cycle and thread creation in Java. (10)

Q.6 Explain concept of applet to applet communication with suitable program. (10)

OR

Q.6 Define AWT and swings? List and explain components of AWT and swing. (10)

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