

BACHELOR OF TECHNOLOGY (CBCS) (2014 COURSE)

Information Technology

B.Tech.Sem - VIII :SUMMER : 2023

SUBJECT : COMPONENT ENGINEERING

Day : Saturday

Time : 02:30 PM-05:30 PM

Date : 27-05-2023

S-13437-2023

Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1 Enlist and describe the major stages of object oriented design. (10)

OR

Q.1 Enlist and describe advantages of client model with the help of appropriate example. (10)

Q.2 Elaborate with suitable example architectural components and object oriented implementation. (10)

OR

Q.2 Enlist and describe fundamental properties of components technology. (10)

Q.3 Describe with suitable example CORBA component model. (10)

OR

Q.3 Enlist and describe CORBA's objective and design criteria. (10)

Q.4 Enlist and explain characteristics of distributed systems. (10)

OR

Q.4 Discuss evolution of multitier architecture with reference to an suitable example. (10)

Q.5 Describe COM object and interfaces with suitable example. (10)

OR

Q.5 Enlist and describe benefits of interfaces in COM with suitable example. (10)

Q.6 Describe Java based component models along with its properties. (10)

OR

Q.6 Explain stateful and stateless session beans. (10)

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