



Regulation R20

Subject code: 3E5GB (SUBSTITUTE SUBJECT)

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A' Grade)

B.Tech V Semester Regular Examinations, January 2023

DISTRIBUTED COMPUTING

(CSM)

Maximum Marks: 70

Duration: 3 hours

Part-A

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Define distributed system.
- 2 List the characteristics of distributed computing.
- 3 What is the architectural model?
- 4 What is the role of proxy server?
- 5 What is peer to peer system?
- 6 What is goal of peer-to-peer system?
- 7 Define Applet.
- 8 What is SOAP.
- 9 What is the main goal of process management in DS?
- 10 Define Grid.

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 a) Write the issues arising from Distributed Computing?
b) Explain the strength and weakness of distributed computing . [5+5]

OR

- 12 Write briefly about distributed computing paradigms. [10]
- 13 Explain Inter Process Communication. [10]

OR

- 14 Explain in detail about Socket API. [10]
- 15 Explain about connection oriented and connection less servers. [10]

OR

- 16 Explain Remote method Invocation. [10]
- 17 a) Write a note on Java Basic multicast API. [5]
b) Distinguish between Unicasting and Multicasting. [5]

OR

18 Explain Servlets with suitable examples. [10]

- 19 a) Explain Grid architecture
b) Explain the evolution of Grid. [5+5]

OR

20 Explain the Grid applications and application middleware. [10]