

**CMR ENGINEERING COLLEGE:: HYDERABAD****UGC AUTONOMOUS****III-B.TECH-II-Semester End Examinations (Supply) - June- 2025****WEB SERVICES****(AI&DS )****[Time: 3 Hours]****[Max. Marks: 70]****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART-A****(20 Marks)**

1. a) Define Web Services? [2M]
- b) What is RMI? [2M]
- c) What are the benefits of the Web Services? [2M]
- d) Sketch the Architecture of Web Services? [2M]
- e) What are the limitations of SOAP? [2M]
- f) Explain SOA in brief. [2M]
- g) What is WSDL binding? [2M]
- h) Discuss the limitations of WSDL? [2M]
- i) Differentiate between public and private UDDI registers. [2M]
- j) Define service registries. [2M]

**PART-B****(50 Marks)**

2. Explain in detail about Core Distributed Computing Technologies. [10M]
- OR**
3. What is a web service? Define and explain the operational model of web services [10M]
4. Discuss the Web services Architecture and its characteristics. [10M]
- OR**
5. Explain the web services communication models. [10M]
6. What are the main components of SOAP message? Explain each of them using examples. [10M]
- OR**
7. Explain the two types of communication models supported by SOAP. [10M]
8. List and explain the various types of limitations of WSDL. [10M]
- OR**
9. What are the elements of WSDL? Explain. [10M]
10. Explain about UDDI data model. [10M]
- OR**
11. Discuss the role of service registries. [10M]

\*\*\*\*\*