

Code No.: AD623PE

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H.T.No.

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CMR ENGINEERING COLLEGE:: HYDERABAD

UGC AUTONOMOUS

III-B.TECH-II-Semester End Examinations (Supply) - December- 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 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 recovery. [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. Explain the elements of WSDL. [10M]
10. Explain about UDDI data model. [10M]
- OR**
11. Discuss the role of service registries. [10M]
