

**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]
<b>OR</b>	
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]
<b>OR</b>	
5. Explain the web services communication models.	[10M]
6. What are the main components of SOAP message? Explain each of them using examples.	[10M]
<b>OR</b>	
7. Explain the two types of communication models supported by SOAP.	[10M]
8. List and explain the various types of limitations of WSDL.	[10M]
<b>OR</b>	
9. Explain the elements of WSDL.	[10M]
10. Explain about UDDI data model.	[10M]
<b>OR</b>	
11. Discuss the role of service registries.	[10M]

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