

19. (a) Write short notes on customization.

Or

- (b) Discuss about transaction requirements in detail.

20. (a) Write the feature of Axis server.

Or

- (b) Write an installation procedure of Tomcat server.

PART C — ($3 \times 10 = 30$)

Answer any THREE questions.

21. What are the standard technologies available in web service? Explain.
22. Write the procedure to exchange information between applications in distributed environment.
23. Write a detailed note on orchestration and refinement in web service.
24. What are the steps necessary to build and deploy web services? Explain.
25. How to deploy web service and applications on Tomcat applications server?

S.No. 6345

P 22 CSE 1 A

(For candidates admitted from 2022–2023 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

Computer Science – Elective

WEB SERVICES

Time : Three hours

Maximum : 75 marks

PART A — (20 marks)

Answer ALL the questions.

- I. (A) Multiple choice questions : ($5 \times 1 = 5$)
 1. Which technique is based on compile-time program transformation for accessing remote data in a distributed-memory parallel system
 - (a) cache coherence scheme
 - (b) computation migration
 - (c) remote procedure call
 - (d) message passing
 2. Which of the following component of Web service describes interfaces to web services?
 - (a) UDDI
 - (b) WSDL
 - (c) SOAP
 - (d) None of the above

3. What are the basic components of workflow?
 - (a) Input
 - (b) Transformation
 - (c) Output
 - (d) All of the above
 4. What are the web service platform elements?
 - (a) SOAP, UDDI, XML
 - (b) HTTP, WSDL
 - (c) UDDI, XML, SOAP
 - (d) SOAP, UDDI, WSDL
 5. Which element is a single root of every SOAP message?
 - (a) <envelope>
 - (b) <entity>
 - (c) <soap>
 - (d) <soapEnvelope>
- (B) Fill in blanks: (5 × 1 = 5)
6. _____ is used to perform remote procedure calls in web services.
 7. Web services can be discovered using _____ specification.
 8. WSCL specifies to exchange _____ documents.
 9. To implement web services in NET, HTTP handlers are used that interrupt requests to _____ files
 10. _____ used to convert your application into Web-Application.

- II. Answer the following: (5 × 2 = 10)
11. What is RPC?
 12. Write a note on REST.
 13. Define bandwidth.
 14. List the major steps to built web service.
 15. Define Tomcat.

PART B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b)

16. (a) What are advantages and disadvantages of web service?
 Or
 (b) Discuss the latest standard related to web service.
17. (a) Discuss SOAP verse REST web services.
 Or
 (b) How to locate a remote web services? Explain.
18. (a) What are the security attacks facilitated within web services?
 Or
 (b) Write short notes on QOS metrics.