

**NGM COLLEGE (AUTONOMOUS) POLLACHI
END-OF-SEMESTER EXAMINATIONS: DECEMBER-2022**

B. Sc-Information Technology

MAXIMUM MARKS: 70

III SEMESTER

TIME: 3 HOURS

PART III

SERVICE ORIENTED ARCHITECTURE

SECTION – A (10 X1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS

MULTIPLE CHOICE QUESTIONS

(K1)

1. In distributed system, each processor has its own _____
 - a) local memory
 - b) clock
 - c) both local memory and clock
 - d) none of the mentioned
2. A “glue” between client and server parts of application _____
 - a) Middleware
 - b) Firmware
 - c) Package
 - d) System Software
3. The simple approach of implementing a web service is named as _____
 - a) Entity state transfer
 - b) java script entity notation
 - c) Representation state transfer
 - d) java script object notation
4. What is the purpose of XML in a web service?
 - a. A web services takes the help of XML to tag the data, format the data.
 - b. A web service takes the help of XML to transfer a message.
 - c. A web service takes the help of XML to describe the availability of service.
 - d. None of the above.
5. Remote Procedure Calls are used _____
 - a) for communication between two processes remotely different from each other on the same system
 - b) for communication between two processes on the same system
 - c) for communication between two processes on separate systems
 - d) none of the mentioned

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. What is a distributed system?
7. Define HTTP Protocol.
8. Define Web Service.
9. What is XML?
10. What is Client Stub in remote procedure call ?

(CONTD...2)

SECTION – B (5 X 4 = 20 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.
(Qn. No. 11 to 15) 10 questions (a & b) – 2 questions from each unit. (K3)

11. a) Explain the architecture of distributed information system with neat diagram
(OR)
b) Summarize the Information system of server.
12. a) Classify TP monitors and message oriented middleware with an example.
(OR)
b) Elaborate the technologies that support remote clients.
13. a) Sketch the client side architecture with a neat example.
(OR)
b) List the various web services available in the industry.
14. a) Discuss SOAP.
(OR)
b) Summarize how to validate XML data and explain advanced XML.
15. a) Explain UDDI in detail.
(OR)
b) Classify Remote procedure call.

SECTION - C (4 X 10 = 40 MARKS)

ANSWER ANY FOUR OUT OF SIX QUESTIONS
(16th QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS
(FROM Qn. No : 17 to 21) (K4 (Or) K5)

16. Categorize Remote Procedural Call in middleware with neat diagram
17. Write a note on Web technologies for application integration.
18. Summarize Service oriented architecture in web services.
19. Compare web services and WSDL with an example.
20. Differentiate Synchronous web services and Asynchronous web Services.
21. Survey a case study on Industry adoption of Remote Procedure Call.