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School of Computing Science and Engineering
MCA with Industry Oriented Specialization in Web Designing and Security
Semester End Examination - Nov 2023

Duration : 180 Minutes
Max Marks : 100

Sem III - MCAE2442 - Advance Web Application Development

General Instructions

Answer to the specific question asked

Draw neat, labelled diagrams wherever necessary

Approved data hand books are allowed subject to verification by the Invigilator

- 1) If we discuss the dynamic nature of web pages and how they respond to user input, what HTML attributes might they mention that facilitate this interactivity? K1 (2)
- 2) Do we need to override service() method? If Yes then explain why? K2 (4)
- 3) How servlet container help to execute the servlet program. K2 (6)
- 4) Apply and implement the Connection.prepareStatement() method to instantiate a CallableStatement object to execute stored procedure. K3 (9)
- 5) Apply and implement how you store data in Java Bean using Jsp Usebean. K3 (9)
- 6) Design a program to retrieve data from oracle database using Prepare Statements and its methods. K5 (10)
- 7) Examine and write about the getProperty() and setProperty() of beans in jsp. K4 (12)
- 8) Assess the impact of responsive design and the meta viewport tag in HTML5 on mobile-friendly web development. K5 (15)
- 9) Evaluate the importance of accessibility considerations when using HTML5 semantic elements and attributes. K5 (15)
- 10) Develop a multimedia-rich webpage using the video and audio elements, considering cross-browser compatibility and user experience. K6 (18)