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Question Paper Code : 20395

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2023

Fifth Semester

Computer Science and Design

CCS 332 – APP DEVELOPMENT

(Common to : Computer Science and Engineering / Computer Science and Engineering (Artificial Intelligence and Machine Learning)/ Computer Science and Engineering (Cyber Security) / Computer and Communication Engineering / Artificial Intelligence and Data Science and Information Technology)

(Regulations 2021)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Compare client side programming and server side programming.
2. What is cross – platform application? How does it differ from native application?
3. List any four benefits of native app.
4. What is the role of Objective – C in IOS?
5. What is hybrid web app?
6. Mention any two uses of Apache Cordova.
7. What is the purpose of react native?
8. List any two disadvantages of using cross-platform application.
9. Differentiate UI and UX.
10. What is reusability?

PART B — (5 × 13 = 65 marks)

11. (a) Explain the importance of responsive web design in creating web pages with examples.

Or

- (b) Explain the importance of progressive web app in creating web pages with its pros and cons.

12. (a) Compare and analyze various features of kotlin and java languages in detail in android.

Or

- (b) Describe the basic components of React Native with examples.

13. (a) Explain in detail about any one popular hybrid app development framework.

Or

- (b) Explain the use of CSS and java script technologies in hybrid app development with examples.

14. (a) Explain in detail about the features and design tools of Flutter.

Or

- (b) Explain the role of JSX in React with the help of its tags and attributes associated with it.

15. (a) Describe various tools and best practices that help achieve better app performance.

Or

- (b) Explain about time to market strategy and maintainability in relevance with app framework.

PART C — (1 × 15 = 15 marks)

16. (a) Using React Native, create one TextInput with ID t1 to accept the value from the user, other TextInput with ID t2 for displaying the factorial of a number given in the first TextInput and Button with caption as "Find" with ID b1. On pressing the "Find" button, factorial to be displayed in the second TextInput t2.

Or

- (b) Create an external css with body background color as yellow and paragraph text with color blue, font size as 20 and text alignment as center. Write an html file to call this external css and apply those styles defined in external css in the current html file.