



CBCS SCHEME

18SCN333

Third Semester M.Tech. Degree Examination, Dec.2019/Jan.2020 Web Engineering

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. What is Web Engineering? Discuss product related characteristics. (10 Marks)
b. Describe briefly about requirement engineering activities and principles for requirements engineering of web applications. (10 Marks)

OR

- 2 a. Discuss adapting requirements engineering methods of web application development. (10 Marks)
b. Write short notes on : i) Content modeling ii) Presentation modeling. (10 Marks)

Module-2

- 3 a. Describe about each of the components of generic web application architecture with a neat diagram. (10 Marks)
b. Explain the following : i) Designing a link representation : The Anchor
ii) Designing link internals : The URL. (10 Marks)

OR

- 4 a. Enumerate the importance of web design from an evolutionary perspective. (10 Marks)
b. Write brief note on : i) SVG ii) SMIL iii) WSDL. (10 Marks)

Module-3

- 5 a. Explain test methods and techniques. (12 Marks)
b. Describe test automation. (08 Marks)

OR

- 6 a. Describe briefly about promoting a web application. (10 Marks)
b. Explain development-related challenges in web projects. (10 Marks)

Module-4

- 7 a. What is usability? Explain web usability engineering methods for requirement analysis. (10 Marks)
b. Explain the following : i) Handling changing requirements
ii) Reuse and integration. (10 Marks)

OR

- 8 a. How does RUP meet the requirements of web applications? (10 Marks)
b. Discuss the following : i) Response times ii) Multiculturality. (10 Marks)

Module-5

- 9 a. What is performance? Explain performance optimization methods. (10 Marks)
b. Briefly describe : i) The role of software agents ii) The role of semantic markup. (10 Marks)

OR

- 10 a. Explain client security issues. (10 Marks)
b. Write short notes on : i) Operational analysis ii) Aspects of security. (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.