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Roll No. :

300815(22)

B. E. (Eighth Semester) Examination, 2020 2022

(New Scheme)

All

(CSE Branches)

INTERNET and WEB TECHNOLOGY

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass-Marks : 28

*Note : Part (a) is compulsory from each question.
Attempt any two from (b), (c) and (d).
Carrying 7 marks each.*

Unit-I

1. (a) What do you understand by Internet, Intranet and Extranet? 2
- (b) Discuss Internet Service provider in detail. How to choose an ISP? 7

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- (c) Write short notes on : (any two) 7
 - (i) TCP/IP and UDP
 - (ii) 3-tier Web based Architecture
 - (iii) IP Addressing
- (d) What are the different ways for Connecting to the Internet? 7

Unit-II

- 2. (a) Why do we use CSS? What are the different selectors available in CSS? 2
- (b) Write and explain any five HTML form objects that are required for obtaining user details for a typical online user registration process. 7
- (c) Explain Math and String objects in JavaScript with its properties and methods. Illustrate with example. 7
- (d) What are the different technologies available for making a web page dynamic? Explain document object model in detail. 7

Unit-III

- 3. (a) What is XSLT? 2
- (b) What is XML? Explain how to write an XML document? What are the goals of XML? Clearly explain the XML Schema and XML parsing in detail. 7
- (c) What is the importance of Namespace in XML? How the naming conflict in XML is resolved? Explain it with suitable example. 7
- (d) What is XML DTD? Design an XML document to store information about a student. The information must include Roll No, Name, College, Branch and E-mail id. Make sample data for 3 students. Write XML DTD for the document. 7

Unit-IV

- 4. (a) What are Web Security Threats? 2
- (b) What is Firewall? Explain different types of firewall. 7
- (c) Discuss the importance and implementation of AAA in internet security. 7
- (d) What are different ways of making payments electronically? Discuss the risk associated with all the payment instruments. 7

Unit-V

5. (a) What do you mean by hosting a website? 2
- (b) Describe the steps for Building a website with an example. 7
- (c) What is FTP? Explain the types of FTP server and FTP client in detail. 7
- (d) Explain the process of registration and indexing of website on search engine. 7