

Roll No.

22648

M. Tech. 2nd Semester (CSE) CBCS Scheme
(Elective-I) Examination – May, 2024

INTERNET AND WEB DEVELOPMENT

Paper : MTCSE22D4

Time : Three hours]

[Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt five questions in all, selecting one question from each Section. Question No. 1 is compulsory.
All questions carry equal marks.

1. Explain the following :

5 × 4 = 20

(a) Client side scripting

(b) SLIP & PPP

(c) ARP & RARP

(d) BOOTP & DHCP protocols

(e) Supernetting

SECTION – A

2. Explain IP Model. How many classes are there in classfull IP addressing ? Explain them. 20

3. Explain IP routing. Explain table driven and next hop routing. 20

SECTION – B

4. (a) Explain Routers, Bridges & hubs in routing. Also explain switch based routing. 10

(b) What is the difference between static and dynamic routing. 10

5. Explain mobile routing. Also explain Link state routing and Distance vector routing. 20

SECTION – C

6. (a) What is Apache server ? How HTTP request and access from server ? 10

(b) Explain secure socket layer. 10

7. Explain the web crawlers and its policies. Give objective of using cookies, bookmarks, progress indicators during search. 20

SECTION – D

8. (a) Explain difference between HTML, DHTML, XML, XHTML and AJAX. 10
- (b) What do you understand by DOM model? 10
9. (a) Explain ASP works. Explain how ASP objects are used. With example. 10
- (b) Compare ASP.Net with Classic ASP. 10
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