| Seat No.: | Enrolment No. |
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## GUJARAT TECHNOLOGICAL UNIVERSITY ME – SEMESTER I (OLD) – • EXAMINATION – SUMMER 2016

| Subject Code: 710205N Da  |            | Date: 20/05/2016   |                 |
|---|------------|--|-----------------|
| Subject Name: Internet Technology<br>Time: 02:30 pm to 05:00 pm |            | Total Marks: 70  |                 |
| Instru  | ictions    |  |                 |
|   | 2. M       | ttempt all questions.<br>Iake suitable assumptions wherever necessary.<br>igures to the right indicate full marks. |                 |
| Q.1   | (a)        | Explain OSI Model.   | 07              |
|   | <b>(b)</b> | Explain Following Terms:  I) SMTP II) TCP III) UDP IV) ICMP V) POP VI) HTML VII) CSS                               | 07              |
| Q.2   | (a)        | Explain Internet Architecture with Internet Standards.   | 07              |
|   | <b>(b)</b> | What is IP address? Explain Internet addressing and its classes with exa <b>OR</b>                                 | mple. <b>07</b> |
|   | <b>(b)</b> | What is protocol? Enlist five protocols used in internet.  | 07              |
| Q.3   | (a)        | What is proxy server? Compare with mirrored sever.   | 07              |
|   | <b>(b)</b> | Explain Media(Wired or Wireless) involved to establish Network. <b>OR</b>  | 07              |
| Q.3   | (a)        | What is CSS? What is its use? Explain with example.  | 07              |
|   | <b>(b)</b> | Explain Media(Wired or Wireless) involved to establish Network.  | 07              |
| Q.4   | (a)        | What is XML? Differentiate HTML and XML with Example.  | 07              |
|   | <b>(b)</b> | What is JavaScript? Explain with example java script events.  OR   | 07              |
| Q.4   | (a)        | Explain Following Terms :  | 07              |
|   |            | I) Browser II)Firewall III) WWW IV) Bookmark V) Internet VI  | ) Https         |
|   | <b>(b)</b> | VII) NIC Explain Network Topology with LAN, MAN and WAN.   | 07              |
| Q.5   | (a)        | What is Email System. Also explain Email server.   | 07              |
| <b>V.</b> 2   | (a)<br>(b) | Explain Hub, Router, Switch and Gateway.  OR   | 07              |
| Q.5   | (a)<br>(b) | Explain TCP header with each field in detail. Explain DNS in brief.  | 07<br>07        |
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