

**B. Tech 3rd Semester Examination**

**Internet Fundamental (NS)**

**IT-212/CS-213**

**Time : 3 Hours**

**Max. Marks : 100**

*The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.*

**Note :** Attempt any five questions in all, selecting one question from each sections A, B, C and D. Section E is compulsory.

**SECTION - A**

1. (a) Explain Intranet & Extranet and internet. What are major issues that you need to consider when building an intranet? (10)
- (b) Why has the Internet been acclaimed as the most significant factor impacting businesses and business operations since the Industrial Revolution that was sparked by the steam engine? (10)
2. (a) What are the major internet services? Explain. (10)
- (b) What are the different hardware and software requirements to connect internet? Explain how we can connect to internet? (10)

**SECTION - B**

3. (a) Give the advantages and disadvantages associated with Mozilla thunderbird. (10)
- (b) What are Markup languages? What is HTML? What are the different new form element types in HTML 5? (10)

4. (a) Write a note on origin and growth of the world wide web. (10)
- (b) What is a Webpage? What is the difference between a website and web page? Explain the steps involved in developing a website. (10)

**SECTION - C**

5. (a) Differentiate between static and dynamic webpages. (10)
- (b) What are the differences between AJAX and Javascript? (10)
6. (a) What is AJAX? What are different applications of AJAX? How to control the duration of an AJAX request? Give major advantages and disadvantages of using AJAX. (10)
- (b) Give Introduction to newsgroups. Explain different problems in participating with newsgroups. (10)

**SECTION - D**

7. (a) What do you understand by voice and data convergence in networks? (10)
- (b) Write a note on Blogs and social networking. (10)
8. (a) Write a note on internet security. (10)
- (b) Explain: (i) Internet Telephony (ii) Web conferring. (10)

**SECTION - E**

9. (a) Write note on Internet Service Providers (ISPs). (10)
- (b) Write a note on File transfer protocol. (10)
- (c) Write a note on Evolution and growth of internet. (10)
- (d) Explain need of client side scripting languages. (10)
- (e) Write a note on Domain Name System. (5×4=20)