**BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY**

**Unit Test-II (Shift:-I&II)**

**Program Name: Computer Engineering Program Group**

**Program Code: CM/IF**

**Semester: Fifth**

**Course Title: Advanced Computer Network (Elective)**

**Course Code: 22520**

**UNIT–IV TRANSPORT LAYER PROTOCOLS**

**2 Marks Questions**

1. State different applications of UDP.
2. Explain the concept of connection oriented service.
3. State the use of six flags in TCP header.
4. List Transport layer protocols.

**4 Marks Questions**

1. State different applications of UDP.
2. Compare TCP and UDP with any four points.
3. State the need for:
4. Sequence control
5. Error control
6. Flow control.
7. Under Transport Layer
8. Explain state transition diagram of TCP.
9. Describe packet format of SCTP with neat sketch?

**UNIT –V APPLICATION LAYER PROTOCOLS**

**2 Marks Questions**

1. Explain URL. Give one example.
2. List Application Layer Protocols.
3. State the use of SSH
4. Compare FTP and TFTP file transfer protocols.(Any two points)
5. Explain the working principle of World Wide Web?

**4 Marks Questions**

1. Compare POP3 and IMAP mail protocol on the basis of function, speed, download and use.
2. Describe the Architecture of E-mail system using four scenarios?
3. Distinguish between SMTP and POP3 protocols.
4. Explain the working of TELNET
5. Describe SMTP with suitable diagram.
6. Describe the HTTP Response Message format.
7. Distinguish between SMTP and POP3 protocols.
8. Explain the working principle of World Wide Web?
9. List different types of MIME.