

Name: _____						
<b>Subject:</b> Computer		<b>Class:</b> 9 <sup>th</sup>		<b>Time:</b> 80 minutes		
<b>Chapter No.3</b>		<b>MJDexpert.com</b>			<b>Total Marks:</b>	<b>40</b>
					Obtained marks	

**Note:** Please attempt any 10 short questions from Question 2. Also, attempt both parts of Question 3. Cutting and removal of any content is strictly prohibited.

**Objective Section**

**Question #1: Select the Correct Option (1 × 12 = 12)**

- What does Email stand for?  
A) Enter mail    B) Electronic mail    C) Electrical mail    D) None of these
- An IPv4 address consists of how many binary bits?  
A) 30    B) 3    C) 29    D) 31
- Communication protocols encompass:  
A) Authentication    B) Error detection    C) Correction    D) All of the above
- A \_\_\_\_\_ is a client that accesses services provided by a server.  
A) Router    B) Client    C) Sender    D) None of these
- Each data packet carries an \_\_\_\_\_ address.  
A) IP    B) Server    C) Channel    D) Mail
- The receiver must be capable of receiving the:  
A) Protocol    B) Address    C) Message    D) Information
- Routers link multiple \_\_\_\_\_ together.  
A) Information    B) Networks    C) Channels    D) Data
- Web browsers and web servers work together as a:  
A) IP System    B) Path System    C) Network System    D) Server System
- Which software is used for data storage?  
A) Google Drive    B) Dropbox    C) MS Office    D) Both A and B
- In a computer network, devices connect through communication \_\_\_\_\_.  
A) Devices    B) Channels    C) Routers    D) All of the above
- Routing involves transferring data from one device to another across different:  
A) Channels    B) Networks    C) Paths    D) Areas
- \_\_\_\_\_ enable users to communicate through e-mail, newsgroups, etc.  
A) Mail server    B) Internet    C) Data    D) Device

**Subjective Section**

**Question #2: Answer the Following Short Questions (10 × 2 = 20)**

- How would you define a receiver?
- What distinguishes static IP addresses from dynamic ones?
- Explain how a web browser operates.
- Describe the purpose of the SMTP protocol.
- What is a port number?
- Explain the function of a router.
- What is meant by a communication channel?
- Discuss the definition of a transmitter.
- How do clients and servers communicate with one another?
- What does the TCP/IP protocol entail?

**Question #3: Answer the Following Long Questions (4 × 2 = 8)**

- What is TCP/IP? Outline its five layers and describe their functions.
- Discuss IP addressing and its significance.