

**PGDCSA Sem.-1 Examination
Internet Technology & Web Design****Time : 3-00 Hours]****January-2025****[Max. Marks : 50****Instructions:**

- **Write both the Sections in the separate answer book.**
- **Both Sections having equal weightage.**
- **Draw Diagrams wherever necessary.**
- **Make Assumptions wherever necessary.**

SECTION – I**Q-1 Attempt the following (any three) 15**

1. A block of Address is granted to small organization. We know that one of the address is 17.63.110.114/24. Find
 - i. The number of address in the network
 - ii. the first address
 - iii. The last address
2. Write only name of the all the layers of OSI model. Which layer is known as the heart of OSI model? Write the function of “Heart of OSI” model.
3. Explain packet switching
4. List and explain various classes of Internet with their dotted decimal number system.
5. Explain unicasting, multicasting and broadcasting with appropriate example.

Q-2 Attempt the following (any five) 10

1. Explain half duplex and full duplex communication with appropriate example.
2. Write only name of two types of categories of domain name.
3. Write only name of any two E-commerce categories.
4. Write full form of 1. PPP 2. SLIP
5. What do you mean by serial transmission? USB uses serial transmission or parallel transmission?
6. Write only name of any two service provider who provides broadband services
7. Write the two characteristics of block level element of HTML.

(P.T.O)

SECTION – II

Q-3 Attempt the following (any three) 15

1. List and explain basic tools used to develop multimedia
2. List and explain basic elements of WWW.
3. Write full form of CSS. What are three types of CSS. Write one small example for each type of CSS.
4. Explain: How search engine works? Write only name of any two search engine.
5. Write full form of DOM. Only draw diagram of HTML DOM tree of objects.

Q-4 Attempt the following (any five) 10

1. Explain with example: Boolean operators used in search engine for search information
 2. What is the use of bookmark in browser?
 3. Write only name of any two semantic tag of HTML5.
 4. Explain with example: create an array in javascript
 5. Explain with example : prompt dialog box in javascript.
 6. What do you mean by I. Intranet II. Internet
 7. Explain with example I. Absolute Path II. Relative Path
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