C1016

Roll No. ....

DIT-04

Fundamental of Networking and Web Technology

Diploma in Information Technology (DIT-17)

2nd Semester Examination, 2021 (Winter)

Time : 2 Hours]   **Max. Marks : 100**

Note : This paper is of Hundred (100) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION–A
(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Twenty six (26) marks each. Learners are required to answer any Two (02) questions only.

(2×26=52)

1. What is OSI? Describe seven layers of the OSI protocol hierarchy with functions.

2. What is transmission media? Write its types and properties of various types with diagram (wherever possible).

3. What do you understand by IP address ? Explain its frame format?

4. Explain various control structures is JavaScript?

5. Write the HTML code to generate a Web Page in the format given below:

(a) Title of the page should be "Diploma in IT".

(b) Background colour should be "Green".

(c) Text style of the main heading should be "Time New Roman" and Colour should be Green.

(d) This web page must include any image.

(e) Table in the centre of the web page and should have a 3 pixel thick border of colour yellow and the spacing between cell content and border is 10 pixels.

(f) Use the concept of nested lists for creating the specified lists.

(g) The bottom image and the text "DIT" are links to another page.

(h) Page must run one marquee as "Online admission".

SECTION–B
(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Twelve (12) marks each. Learners are required to answer any Four (04) questions only.

(4×12=48)

1. Explain the difference between WAN and LAN.

2. What is World Wide Web? What is contribution of Java to the World Wide Web?

3. Explain the Shielded Twist Pair (STP) and Un Shielded Twisted Pair (UTP)?

4. Explain the concept of data transmission.

5. What is WWW ? Explain.

6. Discuss how SMTP protocol is used in e-Mail service.

7. Write short note on the following :
   (a) ISDN.
   (b) Telnet.
   (c) Hyperlink.
   (d) Home Page.

8. Write an HTML code that will display a table of students name, roll number, total marks.

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