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Roll No. ....

I Semester Examination, January 2022

M.Sc.

INFORMATION TECHNOLOGY

Paper V

(Internet and Web Technology)

Time : 3 Hours]   [Max. Marks : 100

Note : *All questions are compulsory. Question Paper comprises of 3 Sections. Section A is objective type/multiple choice questions with no internal choice. Section B is short answer type with internal choice. Section C is long answer type with internal choice.*

SECTION A   **1×10=10**

(Objective Type/Multiple Choice Questions)

Note : *Attempt all questions.*

Choose the correct answer :

1. The first computers were programmed using :

   (a) Assembly language

   (b) Machine language

   (c) Source code

   (d) Object code

P.T.O.

2. UNIVAC is :

   (a) Universal Automatic Computer

   (b) Universal Array Computer

   (c) Unique Automatic Computer

   (d) Unvalued Automatic Computer

3. Hybrid types of computers take the data in the form of :

   (a) digital

   (b) analog

   (c) digital and analog

   (d) None of the above

4. Version 6 of IP address has how many bits :

   (a) 64 bits   (b) 128 bits

   (c) 32 bits   (d) 256 bits

5. Which program is used by web clients to view the web pages ?

   (a) Web browser   (b) Protocol

   (c) Web server   (d) Search Engine

6. Which of the following is not a web hosting company ?

   (a) Hostgator   (b) Blue Host

   (c) WPX Hosting   (d) Facebook

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7. Which of the following HTML tag is used to display the text with scrolling effect ?

(a) <marquee>   (b) <scroll>

(c) <div>   (d) None of these

8. Which tag is used to add columns to tables ?

(a) <td>   (b) <tr>

(c) <th>   (d) <colspan>

9. Which of the following usually observed each activity on the internet of the victim, gather all informatioin in the background and send it to someone else ?

(a) Malware   (b) Spyware

(c) Adware   (d) All of these

10. The e-Payment mechanism widely used in B2B is :

(a) Credit card   (b) Debit card

(c) Master card   (d) e-Cheque

SECTION B   6×5=30

(Short Answer Type Questions)

Note : *Answer the following questions in* **250** *words.*

Unit-I

1. Explain the number system with example.

Or

Discuss about public domain software with suitable example.

Unit-II

2. How dial-up connection different from leased line ? Explain with example.

Or

Briefly discuss addressing in Internet.

Unit-III

3. Discuss on any *four* HTTP request methods.

Or

Explain registration of website on search engines.

Unit-IV

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

Or

Explain linking in HTML with suitable example.

Unit-V

5. What are the risks involved in Electronic Payment System ?

Or

Who are the stakeholders in e-Commerce Information System ? Explain the benefits and limitations of e-Commerce.

SECTION C   **12×5=60**

(Long Answer Type Questions)

Note : *Answer the following questions in* **500** *words.*

Unit-I

1. How the programming language can be classified ? What is the difference and relation between machine code, assembly language and high level languages ?

Or

Discuss the importance features of various generations of computers and their technology. Also give some examples of computers for each generation.

Unit-II

2. Briefly describe e-Mail protocols X-400, SMTP and UUCP.

Or

Write short note on VSAT and Internet service provider.

Unit-III

3. What is FTP ? Discuss active and passive FTP with type of FTP server including anonymous.

Or

Explain the concept of Reading Usenet news groups and Internet Relay Chat in detail.

Unit-IV

4. What are the different methods of positioning CSS elements ? Explain with example.

Or

Explain <MAP> tag and different shapes used in image map with suitable example.

Unit-V

5. What do you mean by web security ? Explain the concept of privacy and site blocking in detail.

Or

What are the key technologies for B2B e-Commerce ? Explain architectural models of B2B e-Commerce.

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