

G-1/129/21

Roll No.....

I Semester Examination, April-2021

M.Sc.

INFORMATION TECHNOLOGY

Paper V

(Internet and Web Technology)

Time : 3 Hours]

[Maximum 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'

(Objective Type Questions)

Choose the correct answer :

1 × 10 = 10

1. The basic performed by a computer are :

- (a) Arithmetic operation
- (b) Logical operation
- (c) Storage and relative
- (d) All of the above

2. Number system is :

- (a) Positional (b) Non-Positional
- (c) Positional and Non-Positional
- (d) None of the above

3. Which of the following is not a characteristic of High level languages ?

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- (a) Machine code (b) Platform independent
- (c) interactive execution (d) user-friendly
4. The supplementary protocol that fetches e-mail from e-mail server is called the protocol.
- (a) MIME (b) POP
- (c) POP2 (d) None of the above
5. IP address 10.20.120.8 lies in which class :
- (a) Class A (b) Class B
- (c) Class C (d) Class D
6. FTP uses parallel TCP connections to transfer a file.
- (a) 1 (b) 2
- (c) 3 (d) 4
7. The language used to develop web page is :
- (a) HTML (b) HTTP
- (c) Browser (d) Protocol
8. How to insert an image in HTML ?
- (a)
- (b)
- (c)
- (d)
9. Which of the following is considered as the unsolicited commercial email ?
- (a) Virus (b) Malware
- (c) Spam (d) All of the above

[5]

Or

How can you integrate CSS on a web page ? Also briefly discuss CSS frameworks with example.

5. What is payment gateway ? Explain different types of payment gateway involved in net bill system.

Or

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

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10. In system hacking, which of the following is the most crucial activity?

- (a) Information gathering
- (b) Covering tracks
- (c) Cracking passwords
- (d) None of the above

SECTION 'B'
(Short Answer Type Questions)

6 × 5 = 30

Note : Answer the following questions in 250 words.

1. Discuss application of Information Technology in different scenario.

Or

What programming languages ? Describe its history and uses.

2. Briefly discuss about evolution of Internet.

Or

Explain types of connectivity for Internet with example.

3. What is hyper link ? Differentiate between internal link and external link.

Or

Discuss the role of telnet in data communication. Also explain how remote login occurs in telnet ?

4. Describe components of dynamic HTML with example.

Or

What do you mean by frame ? How do you create frames in HTML ? Explain with example.

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5. What do you understand by the term “E-Commerce”? How does it differ from e-business ?

Or

Explain how copyright law is different from the Patent law in the context of Information Technology.

SECTION 'C'
(Long Answer Type Questions)

12 × 5 = 60

Note : Answer the following questions in 500 words.

1. What is Computer organization ? Describe the various tasks of computer organization system in detail.

Or

Discuss the need of number system in digital computer with suitable example.

2. Explain the concept of URL and DNS working with example.

Or

What is e-mail ? How we can fight with spam mail and avoid e-mail viruses ? Explain in detail.

3. Explain the concept of reading Usenet news group and Internet relay chat in detail.

Or

Why FTP used in web technology ? Discuss FTP client-server model and its connection types. Also write advantages and disadvantages of FTP.

4. What is HTML ? What are different list tags available in HTML ? Explain with suitable example.

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