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**M.Sc. (IT) (First Semester)  
EXAMINATION, Dec. - Jan., 2021-22**

**Paper Fifth**

**INTERNET AND WEB TECHNOLOGY**

**(MSC(IT) - 105)**

**Time : Three Hours]**

**[Maximum Marks:100**

**[Minimum Pass marks : 40**

**Section - A**

**(Objective/Multiple Choice Questions)**

**(1 mark each)**

**Note: Attempt all questions.**

**Choose the correct answers:**

1. Who is considered as father of modern digital programmable computers  
(A) Blaise Pascal  
(B) Charles Babbage  
(C) Dennis Ritchie  
(D) None of above
2. Integrates circuits (called ICs) was first invented in which computer generation  
(A) First Generation  
(B) Second Generation  
(C) Third Generation  
(D) Fourth Generation

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3. Which of the following is/are belong to the category of High Level programming Language?  
(A) Java  
(B) C #  
(C) Pascal  
(D) All of above
4. Which type of computer generally used by Meteorological centers for weather forecasting  
(A) Notebook computer  
(B) Mainframe system  
(C) Super computer  
(D) None of the above
5. Which of the following is not a valid octal number  
(A) 103  
(B) 584  
(C) 367  
(D) 275
6. Which of the following is/are basic services provided by internet to users  
(A) E - Mail  
(B) F T P service  
(C) Telnet service  
(D) All of above
7. Which of the following protocol is used in internet to log in into another computer to access that computer by user from his/her local computer:  
(A) S M T P  
(B) F T P  
(C) TELNET  
(D) None of above

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8. Which of the following company is/are internet service provider in India  
(A) Google  
(B) Microsoft  
(C) BSNL  
(D) All of above
9. DSN protocol belong to which layer in TCP/IP Model  
(A) Application  
(B) Transport  
(C) Network  
(D) Data link
10. Error control is done in which layer of TCP/IP Model  
(A) Transport  
(B) Network  
(C) Data link  
(D) Both (A) and (C)
11. Which of the following is/are connectionless protocol in TCP/IP Model  
(A) T C P  
(B) U D P  
(C) Both (A) and (B)  
(D) None of the above
12. Which protocol is designed to provide a reliable end to end byte stream data transfer  
(A) T C P  
(B) U D P  
(C) Both (A) and (B)  
(D) None of above

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13. F T P protocol belong to which layer in TCP/IP Reference Model  
(A) Application  
(B) Transport  
(C) Network  
(D) Data Link
14. Type of F T P server in which users do not require any password for log in to access files -  
(A) Anonymous F T P  
(B) Non Anonymous F T P  
(C) Both (A) and (B)  
(D) None of above
15. Every resource on the web has an address that is called-  
(A) URL  
(B) HTTP  
(C) HTML  
(D) EXTML
16. Which of the following is/are not container tag  
(A) <HTML>  
(B) <HEAD>  
(C) <BODY>  
(D) <HR>
17. Tag which is used to add individual items in list is  
(A) <OL>  
(B) <UL>  
(C) <LI>  
(D) None of above

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18. Which of the following is used to set an image in the background of a web page
- (A) <IMG> tag
  - (B) BACKGROUND attribute of Body tag
  - (C) Both (A) and (B)
  - (D) None of above
19. Font size of font tag are defined in the range
- (A) 1 to 5
  - (B) 1 to 6
  - (C) 1 to 7
  - (D) 1 to 8
20. Tag which is used to control the size of text/font displayed in the web page
- (A) <FONT> TAG
  - (B) <BASE FONT> TAG
  - (C) Both (A) and (B)
  - (D) None of above

**Section - B**

**(Very short answer type questions) (2 marks each)**

**Note :** Attempt all questions. Write answer using 2 - 3 sentences.

1. What is CPU?
2. Convert  $(AF\ 95)_{16}$  to decimal number.
3. Define X - 400 protocol.
4. Define UUCP protocol
5. Define the term Terminal Emulation
6. What is website Hosting?
7. Explain use of <FONT> tag.

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8. Explain use of CSS.
9. What is AAA in Cyber security?
10. Define the term Malwares.

**Section - C**

**(Short Answer Type Questions) (3 marks each)**

**Note:** Attempt all questions. Answer using < 75 words.

1. What is public domain software?
2. Explain programming languages and its types.
3. Explain various Applications of internet.
4. What is dial up connectivity?
5. What is web publishing tool?
6. Explain about Telnet protocol and Telnet client.
7. Explain use of <TABLE> tag with example.
8. Explain text block level element.
9. What is firewall?
10. Explain use of payment Gateways.

**Section - D**

**(Long Answer Type Questions) (6 marks each)**

**Note:** Attempt any five questions. Answer using 150 words.

1. What is Information Technology?  
Explain Application of Information Technology in various fields.

**OR**

What is computer? Explain basic organization of computer.

2. Explain TCP/IP Model in detail.

**OR**

What is E - mail? Explain E - mail, Header, E - mail routing and E - mail client.

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3. What is FTP? Explain types of FTP servers.

**OR**

Write short notes on following-

- (a) Internet relay chat
- (b) WWW servers
- (C) Registration of website on search engines

4. Explain structure of HTML document in detail.

**OR**

Write HTML code to create a web page which contains an image as hyperlink.

5. Explain Internet threats and security in detail.

**OR**

Explain technology required, Advantages and Limitation of E - Commerce.