E–357

M. Sc. (IT) (First Semester) EXAMINATION, Dec.-Jan., 2020-21

Paper Fifth

INTERNET AND WEB TECHNOLOGY

[MSC (IT)–105]

Time : Three Hours]　　　　　　　[*Maximum Marks : 100*

[*Minimum Pass Marks : 40*

Note : Attempt all Sections as directed.

Section—A　　　　1 each

(Objective/Multiple Choice Questions)

Note : Attempt all questions.

Choose the correct answer :

1. A piece of icon or image on a webpage associated with another webpage is called :

    (a)　URL

    (b)　Hyperlink

    (c)　Plugin

    (d)　None of the above

2. URL stands for :

   (a) Unique reference label

   (b) Uniform reference label

   (c) Uniform resource locator

   (d) Unique resource locator

3. The first page of a website is called :

   (a) Design page

   (b) Home page

   (c) First page

   (d) Main page

4. There are how many types of lists in HTML ?

   (a) 1

   (b) 2

   (c) 3

   (d) 4

5. The main protocol for sending e-mail in the TCP/IP protocol suite is called :

   (a) SMTP

   (b) SNMP

   (c) FTP

   (d) None of the above

6. World Wide Web :

    (a) is another name for internet

    (b) world wide connection for computers

    (c) a collection of linked information residing on computers connected by the internet

    (d) a collection of world wide information

7. CSS introduces the position property and a capability called :

    (a) absolute

    (b) position property

    (c) positioning

    (d) positioned

8. Which of the following e-Commerce model is also a part of e-governance ?

    (a) B2B

    (b) G2C

    (c) B2C

    (d) C2G

9. Wifi is a short name for :

    (a) Wired Fidelity

    (b) Wireless Fidelity

    (c) Wireless Frequency

    (d) None of the above

10. Malware is short form of :

    (a)   malicious hardware

    (b)   malicious software

    (c)   Both (a) and (b)

    (d)   None of the above

11. The FTP establishes .... connection(s).

    (a)   One

    (b)   Two

    (c)   Three

    (d)   Four

12. Which of the following is an anti-virus program ?

    (a)   Norton

    (b)   K7

    (c)   Quick heal

    (d)   All of the above

13. Firewall is a type of :

    (a)   Virus

    (b)   Security threat

    (c)   Worm

    (d)   None of the above

14. Hacking a computer is always illegal and punished by law.

    (a)   True

    (b)   False

15. Which protocol transfer a small file faster ?

   (a) FTP

   (b) TFTP

   (c) Either (a) or (b)

   (d) Neither (a) nor (b)

16. How to insert an image in HTML ?

   (a)

   (b)

   (c)

   (d)

17. Who is known as the father of WWW ?

   (a) Robert Cailliau

   (b) Tim Thompson

   (c) Charles Darwin

   (d) Tim Berners - Lee

18. HTML tags define :

   (a) The datatypes of element of document

   (b) Presentation of specified element of a document

   (c) The contents of the document

   (d) The structure of the document

19. The process of transferring files from a computer on the internet to your computer is :

   (a) Uploading

   (b) Forwarding

   (c) Downloading

   (d) FTP

20. Which of the following is a part of the four main types for e-commerce ?

    (a) B2B

    (b) B2C

    (c) C2B

    (d) All of the above

Section—B   2 each

(Very Short Answer Type Questions)

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

1. Convert $(425.23)_{10}$ to octal number system.

2. What is SMTP ?

3. Define HTTP protocol.

4. What do you mean by web page ?

5. What is FTP ?

6. What is Web Browser ?

7. Define firewall.

8. What is e-Commerce ?

9. What is Anchor tag ?

10. What is Image Map ?

Section—C   3 each

(Short Answer Type Questions)

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

1. What is programming language ?

2. Explain History of Computers.

3. What is ISP ?

4. What is information technology and its application ?

5. What is the difference between HTML Elements and Tags ?

6. Write description of e-mail Header.

7. What is DHTML ? Explain.

8. What do you understand by downloading files from internet ?

9. Explain linking in HTML of CSS.

10. What is EDI ?

Section—D   6 each

(Long Answer Type Questions)

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

1. What is Hexadecimal number system ? And convert $(123A)_{16} = (?)_{10}$.

Or

How will you classify computer system ?

2. Name some basic services provided by the internet.

Or

Write some advantages and disadvantages of e-mail services against telephone service.

3. What is an anonymous FTP site ? Why is it used ?

P. T. O.

Or

Write short notes on any *two* of the following :

(a)   Telnet Protocol

(b)   WWW

(c)   URL

(d)   IP Address

4.   What is block level and text level element in HTML ?

Or

How do you insert a table in HTML ? Explain with example.

5.   What is Malware and how serious is malware threat ?

Or

List the various electronic payment systems.