



EXAMINATION PAPER

FACULTY : COMPUTER SCIENCE AND MULTIMEDIA
COURSE : BACHELOR OF INFORMATION TECHNOLOGY (HONS)
YEAR/ SEMESTER : FIRST YEAR / SEMESTER ONE
MODULE TITLE : INTERNET FUNDAMENTAL AND APPLICATIONS
CODE : BIT 111
DATE : 30 – APRIL, 2019, TUESDAY
TIME ALLOWED : 3 HOURS
START : 1:00 PM FINISH : 4:00 PM

Instruction to candidates

1. This question paper has THREE (3) Sections.
2. Answer **ALL** questions in Section A, MCQ.
3. Answer **5** questions in Section B, MSAQ.
4. Answer **2** questions in Section C, MEQ.
5. No scripts or answer sheets are to be taken out of the Examination Hall.
6. For Section A, answer in the OMR form provided.

Do not open this question paper until instructed

(Candidates are required to give their answers in their own words as far as practicable)

SECTION A

Multiple Choice Questions

(30*1=30)

1. **What is internet?**
 - a. A single network
 - b. A vast collection of different networks
 - c. Interconnection of local area networks
 - d. None of the above
2. **Hub is required in the _____ topology.**
 - a. Star
 - b. Mesh
 - c. Bus
 - d. Ring
3. **A piece of icon or image on a web page associated with another webpage is called _____.**
 - a. plugin
 - b. url
 - c. hyperlink
 - d. none of the above
4. **The correct way of declaring variables in JavaScript is:**
 - a. var x, y, z;
 - b. int x, y, z;
 - c. int [x, y, z];
 - d. none of the above
5. **What is a web browser?**
 - a. A program that can display a web page
 - b. A program used to view html documents
 - c. It enables user to access the resources of internet
 - d. All of the above
6. **The data link layer concerns with:**
 - a. Bits
 - b. Frames
 - c. Packets
 - d. None of the above
7. **What should be the table width, so that the width of a table adjusts to the current width of the browser window?**
 - a. 640px
 - b. 100%
 - c. Full-screen
 - d. 1024px

- 8. Which CSS property you will use if you want to add some margin between a DIV's border and its inner text?**
- Spacing
 - Margin
 - Padding
 - Inner-margin
- 9. By default, hyperlinks are displayed with an underline. How do you remove the underline from all hyperlinks by using CSS code?**
- `a {text: no-underline;}`
 - `a {text-decoration: none;}`
 - `a {text-style: no-underline;}`
 - `a {text-decoration: no-underline;}`
- 10. In the OSI model, as a data packet moves from the lower to the upper layers, headers are _____.**
- added
 - rearranged
 - removed
 - all of the above
- 11. Identify the statement which cannot be associated with OSI model:**
- A structured way to discuss and easier update system components
 - One layer may duplicate lower layer functionality
 - Functionality at one layer no way requires information from another layer
 - None of the above
- 12. OSI stands for:**
- Open system interconnection
 - Operating system interface
 - Optical service implementation
 - All of the above
- 13. TCP/IP model does not have _____ layer but OSI model have this layer.**
- Session layer
 - Application layer
 - Presentation layer
 - Both 'a' and 'c'
- 14. Which layer links the network support layers and user support layers?**
- Session layer
 - Transport layer
 - Network layer
 - Data link layer

15. URL is a term associated with:

- a. Computer Hardware
- b. Internet
- c. Laser Printer
- d. Fax

16. Documents converted to _____ can be published to the Web.

- a. a doc file
- b. http
- c. machine Language
- d. html

17. In computer, domain name is a text version of:

- a. IP Address
- b. Username
- c. Hyperlink
- d. Web Address

18. PHP stands for:

- a. Process Hyper Text Periodically
- b. Hyper Text Preprocessor
- c. Preprocess Human Programs
- d. Printable Hyper Text Programs

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

- a. url
- b. hyperlink
- c. plugin
- d. www.

20. Domain for .com means:

- a. Commercial
- b. Communication
- c. Control
- d. Convert

21. HTTP, FTP, Telnet, DHCP are example of:

- a. Physical layer
- b. Network layer
- c. Application layer
- d. Transport layer

22. TCP (host-to-host) falls under which layer of OSI Layer.

- a. Network Layer
- b. Data Link Layer
- c. Transport Layer
- d. Session Layer

23. Optical fiber works under the principle of:

- a. light
- b. wave
- c. total internal refraction
- d. total internal reflection

24. Among the optical-distribution architectures that is essentially switched Ethernet is:

- a. AON
- b. PON
- c. NON
- d. None of the above

25. Star band provides:

- a. Cable access
- b. Fifth internet access
- c. Satellite access
- d. Telephone access

26. Home access is provided by:

- a. DSL
- b. FTTTP
- c. Cable
- d. All of the above

27. ONT is connected to splitter using:

- a. High speed fiber cable
- b. HFC
- c. Optical cable
- d. None of the above

28. Which of the following is NOT a network edge device?

- a. PC
- b. Smartphones
- c. Switch
- d. Servers

29. _____ is a set of rules that governs data communication.

- a. Protocols
- b. Standards
- c. RFCs
- d. All of the above

30. Communication between a computer and a keyboard involves _____ transmission.

- a. automatic
- b. simplex
- c. half-duplex
- d. full-duplex

SECTION B

Short Answers Questions

Answer any five (5) questions out of eight (8) questions (5*6=30)

- 1.** Make a HTML form that has following fields:
 - a.** First Name
 - b.** Last Name
 - c.** Courses (B.Sc. CSIT, BIT, BCS, BCA, BSW)
 - d.** Interests (Travelling, Dancing, Singing), and
 - e.** File Upload
- 2.** Outline the concept of CSS. Explain all type of CSS with syntax. (2+4)
- 3.** Define client server architecture. Write down its pros and cons. (2+4)
- 4.** Mention your view about client/server technology. Differentiate between web client and web server. (2+4)
- 5.** Elucidate operator and its types in PHP with proper example.
- 6.** Define domain and workgroup. Mention the advantages and disadvantages of each. (2+4)
- 7.** Illustrate Network Topology with its types.
- 8.** Write down the advantages and disadvantages of active web document.

SECTION C

Long Answer Questions

Attempt any two (2) questions out of three (3) questions

(2*20=40)

1.

- A.** Explain client/server architecture with their advantages. (10)
- B.** Define database management system. Write a sample MySQL queries to select, insert, update and delete. (2+8)

2.

- A.** Write your understanding about Open Database Connectivity (ODBC) and also, mention how it works. (2+4)
- B.** Write the concept of RPC. Discuss how XML is different from HTML. Also, outline the benefits of XML in Information Technology. (2+8+4)

3. Write short notes on: (Any Four) (4*5)

- a.** WWW
- b.** Web page
- c.** CSS Box Model
- d.** Margin Property
- e.** IP Telephony

******BEST OF LUCK******