



## 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 : APRIL 11-2018, WEDNESDAY  
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***

## Section A

### Multiple Choice Questions

(30 \*1= 30)

- 1. Internet can be defined as:**
  - a. A single network
  - b. A vast collection of different networks
  - c. Interconnection of local area networks
  - d. None of the above
- 2. IRC stands for:**
  - a. Internet Relay Chat
  - b. Internet Real-time Chat
  - c. Intermediate Relay Chat
  - d. Intermediate Real-time Chat
- 3. Which of the following layer provides the services to user?**
  - a. Application layer
  - b. Session layer
  - c. Presentation layer
  - d. None of the above
- 4. Which of the following is best suitable communication medium in hilly areas?**
  - a. Radio wave
  - b. Co-Axial Cable
  - c. Copper Cable
  - d. optical fiber
- 5. What is the name of the problem that occurs when multiple pairs of twisted pair cable are distributed together over a single cable?**
  - a. Jitter
  - b. Noise
  - c. Echo
  - d. Cross talk

- 6. The physical layer concerns with \_\_\_\_\_.  
a. bit-by-bit delivery  
b. process to process delivery  
c. application to application delivery  
d. none of the above**
- 7. Which network topology has a central device which brings all the signals together?  
a. Bus  
b. Star  
c. Ring  
d. Hybrid**
- 8. In \_\_\_\_\_ cipher, a pair of keys is used.  
a. symmetric-key  
b. asymmetric-key  
c. both 'a' and 'b'  
d. none of the above**
- 9. Encrypted message is called \_\_\_\_\_.  
a. Algorithm  
b. Symmetric Key  
c. Asymmetric Key  
d. Cypher Text**
- 10. A set of rules that governs data communication:  
a. Protocols  
b. Standards  
c. RFCs  
d. None of the above**
- 11. IPv4 addressed has a size of:  
a. 32 bits  
b. 64 bits  
c. 128 bits  
d. 256 bits**

**12. DHCP is the abbreviation of:**

- a. Dynamic Host Control Protocol
- b. Dynamic Hyper Configuration Protocol
- c. Dynamic Host Configuration Protocol
- d. Different Host Configuration Protocol

**13. Which of the following is NOT a PHP code editor?**

- a. Microsoft Word
- b. Notepad
- c. Notepad++
- d. Adobe Dreamweaver

**14. E-commerce involves :**

- a. B2C
- b. C2C
- c. B2B
- d. All of the above

**15. Which of the following is a valid Website Address?**

- a. www.lincolnuniversity
- b. www.lincolnuniversity.com
- c. lincolnuniversity@.com
- d. www#.lincolnuniversity.com

**16. Which of the following is acronym for PHP?**

- a. Personal Hypertext Page
- b. Hypertext Preprocessor
- c. Pretext Hypertext Processor
- d. Preprocessor Home Page

**17. Application software which allows user to view the webpage is called as:**

- a. Website
- b. Firefox
- c. Chrome
- d. Internet Browser

**18. FTP stands for:**

- a. File Transfer Protocol
- b. File Transmission Program
- c. File Transfer Program
- d. File Transmission Protocol

**19. Which of the following is both html attribute and css?**

- a. Bgcolor
- b. Text-align
- c. Align
- d. Background

**20. \_\_\_\_\_ is the science and art of transforming messages to make them secure and immune to attacks.**

- a. Cryptography
- b. Crypto analysis
- c. Telegraphy
- d. Both 'a' and 'b'

**21. In a(n) \_\_\_\_\_ cipher, the same key is used by both the sender and receiver.**

- a. symmetric-key
- b. asymmetric-key
- c. both 'a' and 'b'
- d. none of the above

**22. Digital signature provides \_\_\_\_\_.**

- a. Authentication
- b. no repudiation
- c. both 'a' and 'b'
- d. none of the above

**23. Main container for <tr>, <td>and <th> is \_\_\_\_\_.**

- a. <table>
- b. <group>
- c. <data>
- d. all of the above

**24. SSL provides \_\_\_\_\_.**

- a. message integrity
- b. confidentiality
- c. compression
- d. all of the above

**25. Which of the following is a cryptographic protocol used to secure HTTP connection?**

- a. stream control transmission protocol (SCTP)
- b. Transport layer security (TLS)
- c. explicit congestion notification (ECN)
- d. Resource reservation protocol

**26. Web browser \_\_\_\_\_.**

- a. is a program that can display a web page
- b. is a program used to view html documents
- c. enables user to access the resources of internet
- d. all of the above

**27. Which of the following performs modulation and demodulation?**

- a. Fiber optics
- b. Modem
- c. Satellite
- d. None of the above

**28. In IRC different lines of chat is separated by \_\_\_\_\_.**

- a. Channel
- b. Subscriber
- c. Port
- d. Protocol

**29. Which of the following version of PHP introduced Try/catch Exception?**

- a. PHP 4
- b. PHP 5
- c. PHP 5.3
- d. PHP 6

**30. For uploading and downloading you use:**

- a. HTTP & FTP
- b. FTP
- c. TCP & HTTP
- d. HTTP

## **SECTION B**

### **Short Question Answer**

**Attempt any five (5) questions out of eight (8) questions**

**(5\*6=30)**

1. Define domain and workgroup. Explain the advantages of each. (2+4)
2. Explain the components of Internet Network Architecture.
3. Define CSS. Explain two types of CSS with syntax in brief. (2+4)
4. Define HTML. Identify the common elements used in html with example. (2+4)
5. Distinguish between Internet and Intranet.
6. Define operator. List operator types in PHP with suitable example. (2+4)
7. Differentiate between database management system (DBMS) and relational database management system (RDBMS).
8. Write short notes on:
  - a. RPC and middleware
  - b. DNS

## SECTION C

### Long Answer Question

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

(2\*20=40)

1. “Internet has revolutionized Banking Services and has made payments and fund transfer easy via online payment gateways”. Critically analyzed the statement and give examples in support to your answer.
2.
  - a. Define Array. List and define all array types with example. (2+8)
  - b. Write down the html code that outputs following table: (10)

SN	Name	Points
1	Reeva D'soza	75
2	Brigitta Johnes	95
3	Phil Jones	80
4	Marcus Rashford	85
5	Marc Hasmig	90
<b>Total</b>		<b>425</b>

Table: Students Mark sheet

3.
  - a. Provide a sample MySql queries to select, insert, update and delete. (10)
  - b. Discuss the common html list elements with their property and value used. (10)

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