

BCA 1st Semester Exam., 2021**INFORMATION TECHNOLOGY AND
APPLICATION***Time : 3 hours**Full Marks : 60**Instructions :*

- (i) The marks are indicated in the right-hand margin.*
- (ii) There are **SEVEN** questions in this paper.*
- (iii) Attempt **FIVE** questions in all.*
- (iv) Question Nos. 1 and 2 are compulsory.*

1. Answer/Choose the correct answer of the following (any six) : 2×6=12

(a) Which one of the following is used to refer high storage capacity?

- (i) Gigabyte
- (ii) Kilobyte
- ✓(iii) Terabyte
- (iv) Megabyte

(b) What is protocol?

(c) 'Optical fibre' is used in

- ✓(i) telecommunication
- (ii) computerized cataloguing
- (iii) automatic classification
- (iv) reference and information service

(d) Byte is a

- (i) string of four bits
- ✓(ii) string of eight bits
- (iii) string of twelve bits
- (iv) string of sixteen bits

(e) Type of computer memory in which access time is not constant but varies depending on the address location is known as

- (i) RAM
- (ii) RWM
- ✓(iii) ROM
- (iv) SAM

(f) COM stands for

- (i) computer output microfilm
- ✓(ii) computer operated management
- ✓(iii) computer operated microfiche
- (iv) computer operated magnetic tapes

(g) What is database?

(h) What is the control unit's function in the CPU?

- (i) To transfer data to primary storage
- (ii) To store program instructions
- (iii) To perform logic functions
- ✓(iv) To decode program instructions

(3)

(i) When we open an internet site, we see www. What is the full form of www?

(i) World wide word

(ii) World wide web

(iii) Word widening works

(iv) Words wide spiderman web

(j) Which of the following is not an example of operating system?

(i) Windows 98

(ii) BSD Unix

(iii) Microsoft Office XP

(iv) Red Hat Linux

2. Answer any *three* of the following : $4 \times 3 = 12$

(a) Briefly explain the categories of transmission media.

(b) What are the different network characteristics?

(c) What is ROM?

(d) Explain the characteristics of data communication.

(e) What are the various categories of software?

3. What are the generations of computer system? Explain. 12

(4)

4. Explain the characteristics of a good programming language. 12

5. Discuss different functions of Operating System. 12

6. Explain various input/output devices. 12

7. Explain the difference between Algorithm and Flowchart. 12

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