

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) : $2 \times 6 = 12$

- (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 widing 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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