

Code : 303103

BCA 1st Semester Exam., 2019

**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 any six of the following : $2 \times 6 = 12$

- (a) Define computer system.
- (b) What is scanner?
- (c) Define pointing devices with examples.
- (d) Define Oseudo code algorithm.
- (e) Define an intranet.
- (f) Differentiate between LAN and WAN.
- (g) Define software and hardware.
- (h) How is sorting done in MS-Excel?
- (i) List out various features of MS-Word.
- (j) Define operating system.

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

- (a) What are computer applications? Give some examples.
- (b) What are various input and output devices? Explain printer and plotter.
- (c) Explain system software and application software. Give examples.
- (d) What is multiplexing? Explain the time division multiplexing in data communication.
- (e) What are the functions of an operating system? Explain.

3. What do you mean by internet and its application? Explain WWW. 12

4. Write a short note on the features of a good programming language. 12

5. What are various primary and secondary storage devices? Explain. 12

6. Write a note on IP address. Explain format of typical IP address. How is it different from Physical address/MAC address? 12

7. Discuss various network topologies with its advantages and disadvantages? 12

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(Turn Over)