Code : 303103

BCA 1st Semester Exam., 2018

INFORMATION TECHNOLOGY AND APPLICATION

Time : 3 hours

Full Marks : 60

Instructions :

(The marks are indicated in the right-hand margin.

*(There are **SEVEN** questions in this paper.*

*(i) Attempt **FIVE** questions in all.*

*(Question Nos. **1** and **2** are compulsory.*

1. Answer any *six* questions :　　　　2×6=12

   (a) Define computer and give its characteristics.

   (b) Define input/output devices.

   (c) Write the types of ROM.

   (d) Define software and give its characteristics.

   (e) Write the applications of computer.

   (f) Define multiplexing.

   (g) Define algorithm.

(Turn Over)

   (h) Give the classification of computer.

   (i) Define RAM.

   (j) What is COM?

2. Answer any *three* of the following :　　4×3=12

   (a) Differentiate between system software and application software.

   (b) Explain the generation of computer.

   (c) What is speech recognition and its applications? http://www.akubihar.com

   (d) Define URL and DNS.

   (e) What is database management system and its applications?

3. Define memory and its types.　　12

4. Differentiate among flowchart, program and pseudo code.　　12

5. Define operating system and its types.　　12

6. What is computer network? Define network topologies.　　12

7. Define Internet and explain the methods of Internet security.　　12

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