

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 07

BCA (2013 &amp; Onwards)/B.Sc.(IT) (2015 &amp; Onwards) (Sem.-1)

**INFORMATION TECHNOLOGY**

Subject Code : BSIT/BSBC-104

Paper ID : [B1111]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.

**SECTION-A****Q1. Answer briefly :**

- a) List the types of computers on the basis of purpose.
- b) What is the role of byte?
- c) How OCR works? Briefly explain.
- d) Discuss the working mechanism of Inkjet printer.
- e) Why multitasking is required?
- f) List the features of taskbar.
- g) Briefly list the role of macros.
- h) How intranet is used?
- i) Write a short note on Proxy server.
- j) Write a short note on mail merge.

**SECTION-B**

Q2. Discuss the features of following types of operating system :

- a) Time Sharing. (5)
- b) Multiuser. (5)

Q3. Explain the working of the following memories :

- a) RAM (5)
- b) Cache memory. (5)

Q4. Solve the following conversions and find x, y :

- a)  $(80)_{10} = (x)_2$
- b)  $(11001)_2 = (y)_{10}$
- c)  $(1010)_2 + (0101)_2 = ?$
- d)  $(00110)_2 - (00011)_2 = ?$  (4×2.5)

Q5. Describe the procedure of table handling using word processing. (10)

Q6. How network topology is chosen? Compare the use of bus and ring topology. (10)

Q7. Differentiate the following :

- a) Assembler and interpreter. (5)
- b) FTP and TELNET. (5)