

SECTION "B" SHORT-ANSWER QUESTIONS (Marks: 24)

Note: Answer any EIGHT (08) questions from this section. All questions carry equal marks.

- Q.2 Differentiate between Hardware and Software.
Q.3 Describe the fourth generation of computer.
Q.4 Describe the analog and digital computer.
Q.5 What is the purpose of backing storage device?
Q.6 What is the function of main memory?
Q.7 Define RAM and ROM.
Q.8 What is the function of input and output devices?
Q.9 Write the name of different parts of a keyboard and write some function of keys.
Q.10 Define Printer and write the name of its types.
Q.11 What is number system? Write the name of different number systems.
Q.12 What is an operating system?
Q.13 Convert the following number system into their equivalent.
(i) $(101011)_2 = (?)_{10}$ (ii) $(1583)_{10} = (?)_8$
(iii) $(512)_{10} = (?)_2$

SECTION "C"

DETAILED-ANSWER QUESTIONS (Marks: 12)

Note: Attempt any TWO(2) questions from this Section. All questions carries equal marks.

- Q.14 Define computer software and its types.
Q.15 Define CPU and write the function of control unit and arithmetic logic unit.
Q.16 Define problem solving steps.