



A Charutar Vidya Mandal's Institution
V.P. & R.P.T.P. SCIENCE COLLEGE

(AUTONOMOUS) (Grant-in-Aid)
Affiliated to Sardar Patel University
VALLABH VIDHYANAGAR-388120



Bachelor of Science (Semester 1) INTERNAL EXAMINATION – September 2024
US01SEBCA09–Fundamentals of Computer Organization

Date: 07th September 2024, Monday
Time: 11:00AM to 12:00 PM

Total Marks: 20

Q:1 MCQ.

06

1. Numbers are stored and transmitted inside a computer in
A. Binary form B. Decimal form C. Octal form D. Hexadecimal form
2. In hexadecimal number system, A is equal to ____ decimal number.
A. 14 B. 12 C. 10 D. 11
3. ASCII equivalent of A is
A. 64 B. 68 C. 65 D. 67
4. Cache memory is being deployed for
A. To reduce the speed rate B. Speed up rate of data fetching
C. reduce rate of data fetching D. None of these
5. Which memory is permanent type memory?
A. RAM B. EPROM C. EEPROM D. ROM
6. The Full form of EEPROM is
A. Electronic effective PROM B. Expert Erasable PROM
C. Electrically Erasable PROM D. Electrical Erasable PROM



Q:2 Draw the block diagram of Computer and explain its functions. Do Binary Subtraction:
 $(101100)_2 - (100010)_2 = ?$

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OR

Write a note on CPU Organization (Von Neumann Machine) with diagram and explain 2's complement with example.

Q:3 What is register? Explain different types of registers used for various operations.

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OR

Write a short note on Secondary Memory in detail.