



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

(AUTONOMOUS) (Grant-in-Aid)

Affiliated to Sardar Patel University

VALLABH VIDYANAGAR-388120



Bachelor of Science (Semester 1) Internal Examination - 2024

US01MACSC01 : Computer Fundamentals-I

Date: 3rd October 2024, Thursday

Time: 11:00 AM to 12:30 PM

Total marks :30

Q-1 Multiple Choice Question:

(6 Marks)

1. RAM is a _____.
(a) Volatile Memory (b) Non-volatile Memory (c) Virtual Memory (d) Fast Memory
2. A _____ is a group of programs, which solve a specific problem.
(a) Software (b) Hardware (c) Printer (d) Software Package
3. Why do we use a flowchart?
(a) To have a better understanding of how a process works.
(b) To evaluate a process in order to improve it.
(c) To explain how a process works to others.
(d) All of the above
4. In Binary to Octal number conversion group of _____ bits are used.
(a) 3 (b) 4 (c) 6 (d) None of these
5. 1 GB = _____ megabytes.
(a) 4 (b) 8 (c) 1024 (d) None of these
6. Which of the following is a group of related command in References tab?
(a) Table of Contents (b) Citations & Bibliography
(c) Footnotes (d) All of the above



Q-2 Write a note on Block diagram of Computer.

OR

(6 Marks)

Q-2 Explain Analog, Digital and Hybrid Computers in detail.

(6 Marks)

Q-3 Discuss various terminologies used in writing the algorithm.

OR

(6 Marks)

Q-3 Draw the flowchart to print Fibonacci series up to N number.

(6 Marks)

Q-4 Do the following:

(6 Marks)

1. Convert $(1010011)_2 = (?)_8$
2. Convert $(AB8)_{16} = (?)_{10}$
3. Calculate Binary addition of (1011) and (111)

OR

Q-4 Find Subtraction of 10110 and 11101 using 2's complement method. And Find Subtraction of 110 and 101 using 1's complement method.

(6 Marks)

Q-5 Discuss use of different tabs available on Ribbon.

OR

(6 Marks)

Q-5 How can we create and modify table in Word document?

(6 Marks)

===== All The Best =====