

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) External Examination - 2024
US01MACSC01 : Computer Fundamentals - I

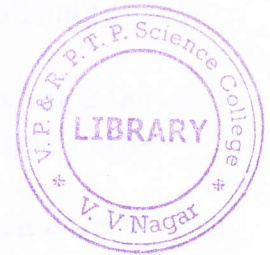
Date: 19-11-2024, (Tuesday)

Time: 11:00 AM to 01:30 PM (2.5 hrs)

Total marks :50

Q-1 Write the most appropriate answer from the following multiple-choice questions. [10]

- (1) _____ are set of programs, which help user in system maintenance tasks.
 - (a) Utility Programs
 - (b) Communication S/W
 - (c) Operating System
 - (d) Programming Language Translators
- (2) RAM is a _____.
 - (a) Volatile Memory
 - (b) Non-volatile Memory
 - (c) Virtual Memory
 - (d) Fast Memory
- (3) What are the three algorithms constructs?
 - (a) Sequence, selection, repetition
 - (b) Input, output, process
 - (c) Input/output, decision, terminator
 - (d) Loop, input/output, process
- (4) _____ Symbol used to calculate any data in the flowchart.
 - (a) Connector
 - (b) Terminal Box
 - (c) Input/ Output Box
 - (d) Process Box
- (5) Which storage size is the smallest?
 - (a) Megabyte
 - (b) Gigabyte
 - (c) Terabyte
 - (d) Kilobyte
- (6) A Nibble is equal to _____.
 - (a) 8 bits
 - (b) 8 bytes
 - (c) 4 bits
 - (d) 4 bytes
- (7) What does EBCDIC stand for?
 - (a) Extended Binary Converted Decimal Intermediate Code
 - (b) Extended Binary Coded Decimal Intermediate Code
 - (c) Extended Binary Coded Decimal Interchange Code
 - (d) Extended Binary Converted Decimal Interchange Code



- (8) What is the extension of files created in Ms-Word 97- 2003?
 (a) .docm (b) .docx
 (c) .txt (d) .doc
- (9) Superscript, subscript, outline, emboss, engrave are known as
 (a) Font style (b) Word art
 (c) Font effects (d) Text effects
- (10) Which simplifies the process of formatting text If the same formatting is required in more than one location?
 (a) Auto Text (b) Format Painter
 (c) Font dialog box (d) None of the above

Q-2 (A) Write a note on Block diagram on Computer.

(B) Explain Analog, Digital and Hybrid Computers.

OR

Q-2 Write short note on: (i) Input unit (ii) Output unit

Q-3 What is flowchart? Why we need it? Also explain symbols of it.

OR

Q-3 (A) Write an algorithm to check whether the entered number is prime number or not.

(B) What is algorithm? Explain different types of the algorithm.

Q-4 (A) Explain 3-bits grouping Binary to Octal and Octal to Binary Number with examples.

(B) Find Subtraction of 110 and 101 using 2's complement method.

OR

Q-4 (A) Convert: $(456)_{10} = (?)_{16}$ and $(11011010110)_2 = (?)_{10}$

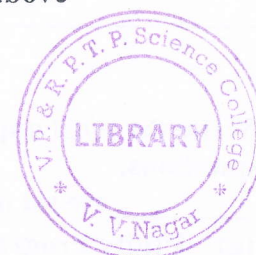
(B) Perform $(111100) - (1011)$ using 1's complement.

Q-5 Write a note on Mail Merge.

OR

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

(B) Discuss use of different tabs available on Ribbon.



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