Reg No:....................

Name:......................

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

FIRST SEMESTER MGU-UGP (HONOURS) REGULAR EXAMINATION NOVEMBER 2024

First Semester

Discipline Specific Core Course - MG1DSCECC102 - COMPUTER FUNDAMENTALS

(2024 ADMISSION ONWARDS)

Duration: 1.5 Hours   Maximum Marks: 50

Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Interest (I), Appreciation (Ap), and Skill (S)

Students should attempt atleast one question from each course outcome to enhance their overall outcome attainability.

[Learning Domain][CO No(s)]

Part A
Very Short Answer Questions
Answer all questions.
Each question carries 1 mark

1 List different forms of input that a computer accepts.   [K]   [1]

2 Write the type of computer that is used as a web server.   [K]   [1]

3 Write the registers used for communication between the CPU and memory.   [U]   [1]

4 Identify the bus which can transfer only one bit at a time.   [K]   [1]

5 Which is the smallest addressable unit?   [U]   [2]

6 List two write -only optical storage devices.   [U]   [2]

7 State the use of central keys in the keyboard.   [K]   [3]

8 List the areas in which a Joystick is mostly used .   [K]   [3]

9 Name the camera that store images in JPEG format.   [K]   [3]

10 Write the factors that determine the quality of video taken through webcam.   [K]   [3]

Part B
Short Answer Questions
Answer any 4 questions.
Each question carries 5 marks

11 Distinguish between an analog and a digital computer. [U] [1]

12 Show the steps involved in memory read operation, with a diagram. [K] [1]

13 List important properties of optical storage system. [K] [2]

14 Discuss the importance of output devices, and identify different types. [U] [3]

15 Define the characteristics of various scanning devices. [K] [3]

16 Explain the different categories of computer terminals. [U] [3]

(4 × 5 = 20)

Part C
Essay Questions
Answer any 2 question.
Each question carries 10 marks

17 Classify the various types of computers based on their operating principles and describe their key characteristics. [U] [1]

18 Explain the purpose of RAM in a computer system. Differentiate between the various types of RAM, providing examples and discussing the specific characteristics and use cases for each type. [U] [2]

19 Explain the various types of digital cameras, comparing their main characteristics and uses. [U] [3]

(2 × 10 = 20)

END OF THE QUESTION PAPER
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