Reg. No.: ……………..

Name:………………...

University of Kerala

First Semester Degree Examination, November 2024

Four Year Under Graduate Programme

Discipline Specific Core Course

COMPUTER APPLICATION/COMPUTER SCIENCE

UK1DSCCAP100 - Fundamentals of IT & Computers/

UK1DSCCSC100 – Essentials of Computer Science

Academic Level: 100-199

Time: 1½Hours   **Max.Marks:42**

Part A.

Answer All Questions Objective Type. 1 Mark each.

(Cognitive Level: Remember/Understand)

6 Marks. Time: 6 Minutes

Qn. No.	Question	Cognitive Level	Course Outcome (CO)
1.	List any two characteristics of computers.	Remember	CO1
2.	Recall the concept of memory hierarchy.	Remember	CO1
3.	Give an outline of shareware and freeware.	Understand	CO1
4.	Name any 2 search engines.	Understand	CO2
5.	List any two Learning Management Systems.	Understand	CO2
6.	What are wikis?	Understand	CO2

Part B.

Answer All Questions Short Answer. 2 Marks each.

(Cognitive Level: Understand/Apply)

8 Marks. Time: 24 Minutes

Qn. No.	Question	Cognitive Level	Course Outcome (CO)
7.	Write a section describing any of the four internal computer components.	Understand	CO1
8.	Summarize the various online data acquisition tools.	Understand	CO2
9.	Is there any relation between Virtual reality and Augmented reality? Justify.	Apply	CO3
10.	How AI is used for speech and image recognition systems. Explain.	Apply	CO4

Part C.

Answer all 4 Questions, choosing among options within each question.
Long Answer. 7 marks each(Cognitive Level: Apply/Analyze)
28 Marks. Time: 60 Minutes

Qn. No.	Question	Cognitive Level	Course Outcome (CO)
11.	a)Can a company use a combination of SaaS, PaaS, and IaaS services, and what would be an example of such a scenario? OR b)Compare the various categories of cloud services	Analyse	CO3
12.	a)How does cryptocurrency differ from flat money? OR b)Discuss the role of LMS in the teaching-learning process	Apply	CO3
13.	a)Describe Generative AI. How it works? Explain any 2 generative AI tools. OR b)Illustrate the cloud architecture with an example	Apply	CO4
14.	a)How to define a Recommendation system? Prepare a detailed note including its pros and cons. OR b)How AI is used in the Medical field. Explain?	Apply	CO4