



Reg. No.: .....

Name: .....

## University of Kerala

First Semester FYUGP Degree Examination, December 2025

Discipline Specific Core Course

### COMPUTER SCIENCE

#### UK1DSCCSC100 - Essentials of Computer Science

Academic Level: 100-199

2024 Admission onwards

Time: 1 Hour 30 Minutes(90 Mins.)

Max. Marks: 42

Part A. 6 Marks.Time:6 Minutes.(Cognitive Level:Remember(RE)/Understand(UN)) Objective Type. 1 Mark  
Each.Answer all questions

Qn No.	Question	CL	CO
1	Expand BIOS.	RE	1
2	Define blogs.	RE	2
3	Explain the technology on which cryptocurrency operates.	UN	3
4	Identify the main parts of a URL.	UN	2
5	Indicate how speech recognition benefits the users.	UN	4
6	Define Cloud computing	UN	3

Part B.8 Marks.Time:24 Minutes.(Cognitive Level:Understand(UN)/Apply(AP))Short Answer. 2 marks each.Answer all questions

Qn No.	Question	CL	CO
7	Explain the role of search engines in retrieving information from the web.	UN	2
8	Explain any two characteristics of a computer.	UN	1
9	Apply cloud computing to explain how students can store and access notes from anywhere.	AP	3
10	Illustrate the role of Recommendation systems in Entertainment Field.	AP	4

Part C. 28 Marks.Time:60 Minutes (Cognitive Level:Apply(AP)/Analyse(AN)/Evaluate(EV)/Create(CR)) Long Answer.7 marks each.Answer all 4 Questions choosing among options \* within each question

Qn No.	Question	CL	CO
11	A)	AP	1, 1

Qn No.	Question	CL	CO
	<p>Illustrate different types of softwares.</p> <p>OR</p> <p>B)</p> <p>A user wants to install a new operating system. Illustrate how RAM, ROM, and secondary memory participate in this process.</p>		
12	<p>A)</p> <p>Analyse different types of E-Commerce business models</p> <p>OR</p> <p>B)</p> <p>Compare different types of Cloud models</p>	AN	3, 3
13	<p>A)</p> <p>Evaluate the advantages and drawbacks of blogs as an online publishing platform.</p> <p>OR</p> <p>B)</p> <p>Compare and evaluate an e-library with a traditional library, highlighting their advantages and disadvantages.</p>	EV	2, 2
14	<p>A)</p> <p>Create a workflow showing how AI processes input to make decisions in a real-life scenario.</p> <p>OR</p> <p>B)</p> <p>Design an application plan for using Generative AI tools in research, learning, or productivity enhancement.</p>	CR	4, 4