

Reg. No.:



Name:

University of Kerala

U8725

Second Semester FYUGP Degree Examination, April 2025

Discipline Specific Core Course

COMPUTER SCIENCE

UK2DSCCSC100 - Free and Open Source Softwares

Academic Level: 100-199

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	The concept of GNU was initiated by.....	RE	2
2	Define the term "source code."	RE	2
3	Indicate the meaning of cd .. command in Linux.	UN	4
4	Identify the creator of the GNU Project.	UN	1
5	Identify the open-source operating system which is most widely used in mobile devices	UN	2
6	Identify any open source tools which can use by students and educators	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	Indicate any two problems associated with traditional commercial software	UN	2
8	Explain the concept of copyleft in open-source licensing	UN	4
9	Illustrate how containerization improves software deployment	AP	2
10	Illustrate the role of open source projects	AP	3

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) Write about FSF. OR B) Illustrate how Wikipedia ensures accuracy and credibility in its Open-Source content model.	AP	1, 3
12	A) Write a shell program to find biggest of two numbers? OR B) Illustrate how Internationalisation affects the open source softwares	AN	4, 1
13	A) Illustrate the challenges faced by the open source hardware OR B)	EV	2, 4

Qn No.	Question	CL	CO
	Compare Android and Mozilla firefox		
14	A) Write in detail about the 4 essential freedoms required for a software to be considered as a Free and open source software OR B) Illustrate the role of GitHub in software development and how it facilitates collaboration among developers.	CR	1, 3