

Roll No.:

SGT UNIVERSITY

END TERM THEORY EXAMINATION JULY-2022

Faculty/College of Study:	Engineering & Technology	Year/Semester:	6 th Semester
Program:	BCA (CC)	Duration:	03:00 Hrs
Course/Subject:	Design and Development application of Cloud	Maximum Marks:	60
Course/Subject Code:	13450604	Batch:	2019

Instructions:-

1. Write Your Roll No. on the Question Paper.
2. Candidate should ensure that they have been provided correct question paper. Complaint(s) in this regard, if any should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. All Questions are compulsory. Marks are indicated against each question.
4. Illustrate your answer with diagram wherever required.

SECTION-A

(Very Short Answer Type Questions)

Note: All Questions are compulsory: -

[12X1=12 Marks]

S. No.	Question	Marks Allotted
1	Define Agile Software Development.	1
2	What is a Google App Engine?	1
3	Define API	1
4	Define MVC	1
5	Discuss the importance of PaaS	1
6	Why do we need cloud applications?	1
7	Elaborate UML	1
8	How is the ER diagram different from the State Diagram?	1
9	Discuss the significance of JQuery	1
10	Define Database	1
11	Discuss the relevance of Owncloud	1
12	Discuss a few prerequisites/requirements to use a Docker.	1

SECTION-B
(Short Answer Type Questions)

Note: All Questions are compulsory: -

[4X2=8 Marks]

S. No.	Question	Marks Allotted
13	Differentiate between Wireframe & Prototype.	2
14	Define Trouble Ticketing system. Discuss its importance.	2
15	Discuss the role of developers in the Quality Analyst cycle.	2
16	Differentiate b/w Authentication & Identity	2

SECTION-C
(Descriptive Answer Type Questions)

Note: All Questions are compulsory: -

[4X4=16 Marks]

S. No.	Question	Marks Allotted
17	Differentiate between Traditional & Cloud Based development approach. OR Write a note on MVC	4
18	Define API. Discuss various API's in detail. OR What is a database? Differentiate between MySQL and MS SQL Server.	4
19	Discuss a few Common support issues with cloud apps.	4
20	Define SDLC. Discuss all the phases of SDLC.	4

SECTION-D
(Long Answer Type Questions)

Note: All Questions are compulsory: -

[4X6=24 Marks]

S. No.	Question	Marks Allotted
21	Discuss the impact of cloud computing on the growth of mobile computing w.r.t app development.	6
22	Define Front End and Backend Technologies. Discuss few tips on how to choose the Front End OR Define Requirements Gathering. Discuss a few requirements in cloud-based development.	6
23	What do you mean by Cloud app Security issues. Cite some of the security issues in this respect. OR Define QA. Discuss its various techniques.	6
24	Define Cloud Computing Ecosystem. Overview of interconnectivity in cloud ecosystems	6