

Roll No



**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF INFORMATION SCIENCE
END TERM EXAMINATION - JUN 2023**

Semester : Semester VI - 2020

Course Code : CSA3037

Course Name : Sem VI - CSA3037 - Game Architecture

Program : BCG

Date : 7-JUN-2023

Time : 1.00PM - 4.00PM

Max Marks : 100

Weightage : 50%

Instructions:

- (i) Read all questions carefully and answer accordingly.*
- (ii) Question paper consists of 3 parts.*
- (iii) Scientific and non-programmable calculator are permitted.*
- (iv) Do not write any information on the question paper other than Roll Number.*

PART A

ANSWER ALL THE QUESTIONS

(5 X 2 = 10M)

1. Explain feature creep. (CO3) [Knowledge]
2. What is meant by aesthetics? (CO1) [Knowledge]
3. Why is hardware abstraction layer necessary? (CO3) [Knowledge]
4. Which new direction do you think Game Architecture would take in the future? (CO3) [Knowledge]
5. Name one of the first commercially successful video games (CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(5 X 10 = 50M)

6. You need to make a game similar to Pong. Tokenize the game and give the relationships between the tokens. (CO3) [Comprehension]

7. Explain the development model you used for your capstone project this semester.
(CO2) [Comprehension]
8. How would you incorporate tiers and test-beds method in developing your game? What are its advantages?
(CO1) [Comprehension]
9. Explain the meaning of agile project management. Describe Scrum and lean development methodologies.
(CO2) [Comprehension]
10. Give a short description of the milestones and mini-milestones you had for your final project.
(CO2) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS

(2 X 20 = 40M)

11. The project manager wants to ensure that maximum code and tool reuse is achieved. Mention the methods and processes you would apply to achieve this.
(CO2) [Application]
12. A client has tasked you with creating an app for listing all available free apps in Google PlayStore. Write a report on the different kinds of prototypes you would use and their benefits as well as their drawbacks. At what stages would you involve the client?
(CO3) [Application]