Time: 2 ½ Hrs. Max. Marks : 70		
Instructions to the candidates:		
 Answer Q1or Q2, Q3or Q4, Q5 or Q6, Q7 or Q8 Neat diagrams must be drawn wherever necessary. Figures to the right side indicate full marks. Use of calculator is allowed Assume Suitable data if necessary 		
Q1) a) What is "Reclaiming Opposition" in the context of digital culture, and why is it important?	[06]	
b) What is "affective modulation," and how does it relate to the design of digital products and services?	[06]	
 c) Explain any four mechanics which can be used in any gamified system designed for solving any social problems. OR 	[06]	
Q2) a) Explain how social engagement loop motivating emotion leads to player reengagement.	[06]	
b) Explain point system in game engineering.	[06]	
c) How levels and leaderboards act as game mechanics for designing game?	[06]	
Q3) a) What are the "Three Levels" of rules in game design and how do they relate to gameplay?	[06]	
b) What are "Positive and Negative Externalities" in network effects and how do they affect games played over network	orks? [05]	
c) What is "Selfish Routing" and how does it relate to network games?	[06]	
OR		
Q4) a) How do "Wardrop and Nash Equilibrium" affect the design and play of network games?	[06]	
b) What is "Partially Optimal Routing" and how does it impact network games?	[05]	
c) What is the "Price of Anarchy" and how does it relate to network games and their outcomes?	[06]	
Q5) a) What are some popular game engines/frameworks, and what are their strengths and weaknesses?	[06]	
b) How does Godot 3.2 compare to other game engines in terms of functionality and ease of use?	[06]	
 c) What are some key features of Construct 2, and how have they contributed to its popularity among game developers? OR 	[06]	
What are some key features of GameMaker: Studio, and how do they help		
Q6) a) developers create engaging games?		[06]
What are some of the advantages and disadvantages of using Clickteam Fusion 2.5 for game development, and ho b) engines?	w does it compare to oth	her game [06]
c) What are some key features of Sploder, and how does it compare to other game engines in terms of ease of use at	nd functionality?	[06]
(27) a) How is game engineering used in esports, and what are some examples of successful esports games?		[09]
b) What are some applications of game engineering in the field of teaching and learning, and how effective are they?		[08]

[09]

[80]

Q8) a) What are some key features of PUBG New State that distinguish it from other battle royale games?

b) How have game developers used game engineering to create a flexible and customizable experience in Minecraft?

Total No of Questions: [10] [Total No. of Pages :02]

OR

B.E.(Information Technology)
Game Engineering (414451)

(2019 course) (Semester - II) (Endsem Exam)