Name:

Enrolment No:



UNIVERSITY WITH A PURPOSE

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, Dec 2021

SECTION A

Course: Software Engineering and Project Management Program: MCA Course Code: CSEG7010 Semester: I Time: 03 hrs. Max. Marks: 100

Instructions:

1. Each Question will carry 4 Marks

2. Instruction: Explain in short.

S. No.		Marks	CO
Q1.	Explain importance Software Reengineering.	4	CO1
Q2.	Describe role of Software Project Manager.	4	CO2
Q3.	Discuss characteristics of a good SRS document.	4	CO2
Q4.	Suppose you were to plan to undertake the development of a product with a large number of technical as well as customer related risks, which life cycle model would you adopt? Justify your answer.	4	CO3
Q5.	State the user interface design principles in developing a software product.	4	CO3

SECTION B

1. Each question will carry 10 marks 2. Instruction: Write brief notes.

Q6.	Discuss all the phases of SDLC with an example.	10	CO2			
	Explain the use of spiral model in software development process with its pros and	10	CO3			
Q7.	cons.	10	COS			
	Describe System Testing and its types that are usually performed on large software					
Q8.	testing.	10	CO1			
	OR	10	COI			
	Illustrate the risk planning and mitigation in project development.					
	Assume that the size of an organic type software product has been estimated to be					
Q9.	35000 lines of code. Assume that the average salary of software engineers is Rs.10,000	10	CO1			
	per month. Determine the effort required to develop the software product and the	10	COI			
	nominal development time.					
	SECTION-C					
1. Each	1. Each Question carries 20 Marks.					
2. Instr	uction: Write long answer.					
	Define terms 'Software' and 'Software Engineering'. "Software does not wear out".					
Q10	State whether this statement is true or false. Justify your answer.	20	CO1			
	OR					

	Explain the steps and categories of software maintenance process with the help of an example.		
Q11	Discuss following: a) SEI Capability Maturity Model b) Work Breakdown Structure	20	C02