School of Information Technology and Engineering

Fall Semester 2022-2023 - Fresher

Continuous Assessment Test – I

Programme Name & Branch: MCA

Course Name & code: ITA5001- Software Project Management

Class Number (s):   VL2022230105089, VL2022230105085, VL2022230105081

Slot: A2

Faculty: Dr. J. Karthikeyan, Dr. J. Prabhu, Dr. Parvathi. R

Exam Duration: 90 Min.   Maximum Marks: 50

General instruction(s): Answer All the Questions.

Q.No.	Question	Max Marks
1.	a) The Passport office of India decides to extend their services to their customers through an enhanced online portal. Identify the different stakeholders in the project and specify the objectives of the project. (5 marks) b) Identify the important characteristics of software development project which make these harder to manage compared to other types of projects. (5 marks)	10
2.	Assume yourself to be a project manager. List some of the problems faced during the development of software projects.	10
3.	Illustrate in detail the ISO 12007 SDLC with neat diagram.	10
4.	Explain the major activities carried out by a software project manager and the order in which these are carried out based on Stepwise project planning.	10
5.	The table below gives the estimated cash flow for two different projects.	10

Estimated Project Cash Flows

Year	Project (A)	Project (B)
0	-2,00,000	-1,50,000
1	60,000	60,000
2	75,000	50,000
3	35,000	40,000
4	40,000	25,000
5	20,000	15,000

Specify which project can be undertaken for the development based on
a) Net Profit   (2 marks),
b) Payback Period   (2 marks),
c) ROI   (2 marks),
d) Net Present Value (NPV) for each of the project's A and B using the discount rate 7%.   (4 marks)