



	InSem Examination-I Winter 2023		
	Exam Seat No.:		
	Academic Year:2023-2024	Semester:III	
	Name of Programme: S.Y. B.Tech Civil Engineering	Pattern:2022	
	Name of Course:Project Management	Course Code:CIV222005	
	Max. Marks:30	Duration:1 Hour	

	<p><b>Instructions:</b> Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.</p> <ol style="list-style-type: none"><li>1. This question paper contains 03 pages.</li><li>2. Answer to each new question is to be started on a new page.</li><li>3. Assume suitable data wherever required, but justify it.</li><li>4. Draw the neat labelled diagrams, wherever necessary.</li><li>5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question</li></ol>	
--	---	--

### Question No. 1 Attempt following Question

- a) State the fundamental difference between a project and operations. (5) CO1

**OR**

- b) Define the concept of project closure. What are the key activities and deliverables involved in closing a project? (5) CO1
- c) Explain with neat sketch the concept of a project life cycle. (5) CO1

**OR**

- d) Discuss the concept of project conflicts. What are the common sources of conflicts in project management? (5) CO1
- e) Define project initiation. & State its importance in project management. (5) CO1

**OR**

- f) State the difference between functional, project, and matrix organizational structures in the context of project management. (5) CO1

**Question No. 2 Attempt following Question**

- a) Explain the importance of stakeholder analysis during project formulation. How can it impact the project's success? (5) CO2

**OR**

- b) Discuss the term "project constraint" in project management. Provide an example of a project constraint. (5) CO2
- c) Determine the Payback Period for a project which requires a cash outlay of Rs. 20,000/- and generate cash inflows of Rs. 4,000/-, Rs.6,000/-, Rs. 8,000/- and Rs. 6,000/- in the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year respectively. (5) CO2

**OR**

- d) The data pertaining to a project as given below. Suggest which whether it is feasible or not by using NPV method? Company expects a return of 10%.

Project	Initial Investment (Rs.)	Annual Benefits (Rs.)		
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year
A	50,000	35,000	15,000	18,000

(5) CO2

e) Determine IRR for the project with following details:

1. Duration of project- 6 years
2. Initial Investment- Rs. 1,00,000/-
3. Periodic Return- Rs. 40,000/- per year

(5) CO2

**OR**

f) Following data pertains to project A & B has net cash flow as follows. Which project is to be selected by using NPV & BCR method? Consider rate of interest  $i=10\%$ .

Proposal	End of years				
	Initial Investment (Rs.)	Annual Income (Rs.)			
		1	2	3	4
A	1,00,000	32,000	76,000	34,000	28,000
B	1,00,000	30,500	25,000	45,000	80,000

(5) CO2