

# School of Engineering

Department of Civil Engineering  
Mid Term Examination

Exam Date: 29 Sep 2023

Time : 90 Minutes

Marks : 50

## Sem VII - BCE01T5721 - Construction Planning and Management

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

- 1) Explain Scheduling of a project. K2 (2)
- 2) Recall Controlling Role of decision in project management K1 (3)
- 3) Explain development of a bar chart. K2 (4)
- 4) Explain the term 'earliest expected time'. Formulate an expression for determining the same. K2 (6)
- 5) Organize role of decision in project management. K3 (6)
- 6) Examine how beta distribution is suitable for PERT analysis. Explain how do you determine the expected time and standard deviation. K3 (9)
- 7) Examine the graphical guidelines for network. K4 (8)
- 8) Analyze the shortcomings of bar charts ? How are these removed? K4 (12)

**OR**

Analyze the probability distribution in details in PERT time analysis. K4 (12)