

6TH SEM./CIVIL/2022(S)
CET 601 Construction Management

Full Marks: 80

Time- 3 Hrs

Answer any FIVE Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
 - a. What is a tender?
 - b. What is a critical event?
 - c. What is slack?
 - d. Define direct and indirect cost.
 - e. What do you mean by Bar chart?
 - f. What is “dummy”?
 - g. Define reserve stock limit.
 - h. What is span of control?
 - i. Define Indent and Invoice.
 - j. What is cost slope?

2. Answer **Any SIX** Questions 6 x 5
 - a. State the characteristics of an organisation.
 - b. Write the differences between CPM and PERT.
 - c. What are the various functions of construction?
 - d. Give a brief account of various quality control measures.
 - e. State the advantages and disadvantages of “Line Organisation”
 - f. What do you mean by equipment schedule and how is it prepared?
 - g. Explain with neat sketches the various errors in drawing a network diagram.

3. What are the factors to consider while identifying and selecting construction equipment? 10

4. What are the classifications of scheduling? Explain the Bar Chart preparation of scheduling along with its limitations. 10

- 5 Given below are the activities duration (in days) and relationship amongst the various activities of a project are given below. 10

Activity	Predecessor activity	Duration (in days)
A	-	10
B	A	8
C	-	14
D	-	6
E	A	12
F	B,G	8
G	D	12
H	C	7

- a).Develop the Network diagram of the project and find its duration.
b).Calculate the floats of non-critical activities
c).Determine the critical path
- 6 Describe the monitoring progress of work and objectives of progress control. 10
- 7 What is the principle of a sound organisation? Explain the functional organization with merits and demerits. 10