

6TH SEM ./ CIVIL ./ 2023(S)

TH-2 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 bin card?
- b. What do you mean by job layout.
- c. Define work breakdown structure.
- d. What is free float.
- e. What is muster roll?
- f. What is scheduling?
- g. What is epicentre.
- h. Define optimistic time.
- i. What do you mean by working drawing?
- j. What is meant by Dummy activity?
2. Answer **Any Six** Questions. 6 x 5
- a. Differentiate between PERT and CPM.
- b. Outline the advantages and disadvantages of line organization.
- c. Write down the objectives of construction management.
- d. State the advantages of Bar Chart.
- e. What are the objective of preparing job layout
- f. What are the rule for preparing indent and invoice .
- g Describe various non destructive methods of quality control.

3. A project has the following times schedule.

10

Activity	1-2	1-3	2-4	3-4	3-5	4-9	5-6	5-7	6-8	7-8	8-9	8-10	9-10
Time in weeks	4	1	1	1	6	5	4	8	1	2	1	8	7

Construct CPM Network and compute.

I. TE and TL for each event.

II. Float for each activity.

III. Critical path and its duration.

4. Describe different types of conflicts . 10
5. Write down the preparation of a job layout and prepare a job lay out for construction of a RCC framed building. 10
6. Describe different ways of equipment maintenance. 10
7. What are the types of labour incentives, elaborate. 10