

Code: CE8T1

**IV B.Tech - II Semester – Regular / Supplementary Examinations
March 2020**

**CONSTRUCTION TECHNOLOGY AND PROJECT
MANAGEMENT
(CIVIL ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11 x 2 = 22 M

1.

- a) Define project management.
- b) What do you mean by project action plan?
- c) Define work breakdown structure.
- d) Write down the objectives of project scheduling.
- e) Define earliest expected time.
- f) What is meant by resource levelling?
- g) Discuss inventory of materials.
- h) Write down factor which affecting the cost owning and operating the equipment.
- i) What do you mean by paving?
- j) Discuss the importance of quality.
- k) Distinguish between employees and contractor.

PART – B

Answer any **THREE** questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) Explain briefly the types of construction project. 8 M

b) Define job layout. Enumerate the factor which affecting the job layout. 8 M

3. a) Write down the advantages of network techniques over conventional techniques. 8 M

b) Distinguish between CPM and PERT. 8 M

4. a) Briefly explain the various steps involved in optimization of cost. 8 M

b) Explain what are the various functional activity involved in material management department? 8 M

5. a) Explain briefly selection of equipment. 8 M

b) Briefly distinguish between form work and trenching. 8 M

6. a) What is quality control inspection? Explain about classification of in-process inspection. 8 M

b) Discuss about accident prevention programme. 8 M