

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)(Affiliated to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD)
Gundlapochampally (H), Maisammaguda (V), Medchal (M), Medchal-Malkajgiri (Dist), Hyderabad**IV B.TECH II SEMESTER ADVANCE SUPPLEMENTARY EXAMINATIONS, JUNE-2018**Subject: Construction Management

Branch: CE

Time: 3 hours

Max. Marks: 75

PART – A**I. Answer ALL questions of the following****5x1Mark=5 Marks**

1. What are the schematic designs of the construction project?
2. What do you understand by a 'dummy' ? What are its uses ?
3. Explain about limitations of budgetary control.
4. What is the role of a contractor in a construction project ?
5. What are the principles of labor legislation?

II. Answer ALL questions of the following**10x2Mark=20 Marks**

1. What is the T-chart?
2. What is HRM in construction management?
3. What is the difference between a network, drawn with conventional circles, arrows, and its time-scaled version?
4. The network of a project is as shown in Figure. Explain the network.

**Figure: Network of a Project**

5. What is the time limited scheduling?
6. Human resources for construction planning breaks down into three major categories. List out them.
7. What do you mean by negotiation and explain it.
8. Write about tender document.
9. Explain minimum wages act 1948.
10. What are the causes of accidents?

PART-B**Answer ALL questions of the following****5x10 Marks= 50Marks**

1. a) Write short notes about human resource management.
b) Define leadership and enumerate essential ingredients of leadership.

OR

2. Explain the organizational structure of project management in details.

3. Write short notes on various network techniques in construction management with neat diagrams.

OR

4. a) What are the seven types of constructions? Explain them clearly.
b) What is cost optimization and explain it.
5. a) With the help of an illustrative example, explain the resources smoothing method.
b) Define direct cost, indirect cost, cost slope and resource leveling.

OR

6. Discuss about the types of project plans in construction industry.
7. a) What is master roll and measurement book?
b) Differentiate percentage rate tenders and item rate tenders.

OR

8. a) What are the various types of contracts? Explain in details.
b) What are the specifications of contracts?
9. a) Discuss briefly various factors leading to accidents in construction projects.
b) Discuss briefly the salient features of "Minimum Wages Act 1948" and subsequent amendments.

OR

10. a) Write the Legal and Financial Aspects of Accidents in Construction.
b) Explain about Occupational and Safety Hazard Assessment.

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IV B.TECH II SEMESTER ADVANCE SUPPLEMENTARY EXAMINATIONS, JUNE-2018Subject: Solid Waste Management

Branch: CE

Time: 3 hours

Max. Marks: 75

PART – A**I. Answer ALL questions of the following****5x1Mark=5 Marks**

1. What is meant by Waste Stream Assessment?
2. What is meant by transfer station?
3. What is Anaerobic Digestion?
4. Define Solid waste disposal?
5. Define Waste Hierarchy.

II. Answer ALL questions of the following**10x2Mark=20 Marks**

1. What is the effect of improper disposal of solid waste?
2. What are the types of solid wastes?
3. Discuss the factors need to considered while evaluating the residential waste containers?
4. Mention the two separate components for routing procedures?
5. List the techniques of waste processing.
6. What is solidification and stabilization of waste?
7. Can you build anything on a landfill after it is closed?
8. Write the benefits of Bio-gasification
9. Differentiate between Recycle and Reuse
10. What is minimization?

PART-B**Answer ALL questions of the following****5x10 Marks= 50Marks**

1. Discuss type based classification of Solid Waste?
OR
2. a) Write short notes on construction and demolition waste.
b) Discuss briefly about sampling of Solid waste.
3. a) What are the factors to be considered while selecting solid waste disposal site.
b) State and brief the factors influencing site selection for a transfer station.
OR
4. Describe in detail the analysis of solid waste collection.
5. What is magnetic separation of solid waste, with neat sketch? What are the factors that influence the effectiveness of magnetic separation?
OR
6. Explain in detail about the component separation in solid waste processing.
7. Explain the process of Pyrolysis in treating the Solid waste.
OR
8. Explain the process of Anaerobic digestion for Bio-gas production.
9. a) List the factors that constrain effective public participation in Waste Management and explain the principles to encourage public participation.
b) How the NGO's create awareness on effective solid waste management.
OR
10. a) How do you recycle, reuse and reduce solid waste in your community?
b) What are the common solid waste disposal methods that are practiced in your community college or university?

