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Question Paper Code : X 85346

M.E./M.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2020
Elective

Construction Engineering and Management
CN 5010 – RESOURCE MANAGEMENT AND CONTROL IN CONSTRUCTION
(Regulations 2017)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions

PART – A

(10×2=20 Marks)

1. What are the different phases of operation research ?
2. Define time management and cost control.
3. How do you achieve labour management efficiently ?
4. Define labour schedule.
5. What is meant by sequencing ?
6. Define project network.
7. What is meant by personal time ?
8. Differentiate between cash flow and cost control.
9. Define cumulative cost.
10. List a few software available for resources management and control.

PART – B

(5×13=65 Marks)

11. a) Define resources planning and discuss on
 - i) Planning for material. (7)
 - ii) Planning for labour. (6)
- (OR)
- b) What are the types of resources ? Discuss in detail their planning with neat sketches. (13)

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12. a) i) Describe the salient features of system approach. **(7)**
ii) Write about the characteristics of resources. **(6)**
(OR)
- b) What are the tools required for the measurement of resources and how would you classify the labour and the process of labour schedule ? **(13)**
13. a) List out the material resources used in construction and write the sources, delivery and distribution of those materials. **(13)**
(OR)
- b) List the various types of equipments used for construction. Write the stepwise procedure for planning and selection of equipments by optimistic choice with respect to cost. **(13)**
14. a) Define time management and explain the planning, management and forecasting of time with neat flow charts. **(13)**
(OR)
- b) Explain cashflow and cost control with reference to time management. **(13)**
15. a) Explain the computer applications used for resources allocation in construction industry. **(13)**
(OR)
- b) Explain the systematic resources allocation and leveling procedure with a case study. **(13)**

PART – C

(1×15=15 Marks)

16. a) Write a case study on resources planning and labour management.
(OR)
- b) Discuss the equipments used for delivery and distribution with their advantages and disadvantages and give the reasons for their selection.
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