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Question Paper Code: 56102

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2022

Sixth Semester

Civil Engineering

15UCE602-CONSTRUCTION MANAGEMENT AND FINANCE

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. The main function of the construction management is CO1-R
(a) planning (b) organising (c) directing (d) all of these
2. In construction work, the controlling function aims at CO1-R
(a) keeping a watch over the physical progress of each activity of the work
(b) controlling the expenditure on each item of work
(c) controlling the use of machines and materials
(d) all of the above
3. The difference between the total float and free float is called CO2-R
(a) duration (b) interfering float (c) critical activity (d) none of these
4. An activity of the project is graphically represented by on the network. CO2-R
(a) a circle (b) a straight line (c) an arrow (d) none of these
5. The cash required for a project can be found by knowing CO3-R
(a) cumulative cash outflow (b) cumulative cash receipt (c) both (a) and (b) (d) none of these
6. The hierarchy of engineers in PWD is given by CO3-R
(a) Chief Engineer, Superintending Engineer, Executive Engineer and Assistant Engineer
(b) Executive Engineer, Chief Engineer, Superintending Engineer, and Assistant Engineer
(c) Executive Engineer, Chief Engineer, Assistant Engineer and Superintending Engineer
(d) Assistant Engineer, Executive Engineer, Chief Engineer, and Superintending Engineer

7. _____ describes all the person within the quality programme, their responsibility, authority and inter relationship relative to quality control tasks is proposed CO4-R
- (a) Linear responsibility chart (b) bar chart
(c) Gantt chart (d) Resource loading chart
8. The major quality control method(s) commonly used on construction project is/are CO4-R
- (a) inspection (b)testing (c)sampling (d) all of these
9. In order to judge the managerial capability of the promoters, the financial institutions examine the following(s) CO5-R
- (a)Resourcefulness (b)understanding (c)commitment (d) all of these
10. _____ shows the financial condition of a business at a given point of time. CO5-R
- (a) Capital sheet (b) Balance sheet (c) Production sheet (d) None of these

PART – B (5 x 2= 10Marks)

11. What is the purpose of coding system? CO1-R
12. Differentiate work task and activity CO2-R
13. State the different method of accounting system CO3-R
14. State the advantages of statistical quality control in construction CO4-R
15. How companies estimate the cost of equity? CO5-R

PART – C (5 x 16= 80Marks)

16. (a) Explain the basic concepts in the development of construction planning CO1- App (16)
- Or
- (b) Discuss in detail regarding the estimation of resource requirement for work activities CO1-App (16)
17. (a) What is critical path method? Discuss their usages and advantages in construction with an example. CO2-App (16)
- Or
- (b) What is meant by scheduling and advanced scheduling? Discuss their concepts, merits and demerits. CO2-Ana (16)
18. (a) Discuss the concept application and methods of project budget forecasting CO3-Ana (16)
- Or
- (b) Write an explanatory note on project financial accounting system CO3-Ana (16)

19. (a) Write a detailed note on quality and safety concern in construction and discuss the factors affecting it. CO4-U (16)
- Or
- (b) Compare the various statistical quality control methods in construction with their relative merits and demerits CO4-Ana (16)
20. (a) Enlist the advantages and disadvantages of equity capital. CO5-U (16)
- Or
- (b) Write a note on capital budgeting in public sector undertaking. CO5-U (16)

