BABA BANDA SINGH BAHADUR ENGG. COLLEGE, FATEHGARH SAHIB

CM&WM

QUESTION BANK

MARKS-2

Q1. What do you understand by cost slope?
Q2. Direct and Indirect costs of a project.
Q3 Define
a) Normal Time
b) Normal Cost
c) Crash Time
d) Crash Cost.
Q4. Draw a typical cost-duration curve and show on it optimum duration and minimum project cost.
Q5. Difference between event and activity.
Q6. Slack and types
Q7. Differ between PERT and CPM
Q8. List the difference between milestone chart and bar chart
Q9. Define estimated time, backward pass and forward pass
Q10. Define Fulkerson's rule.
Q.11 Choose event and activity
a) Survey site
b) Maps prepared
c) Invitation mailed
d) Assemble parts
Q12. Define network diagram and its types.
Q13. Describe various faces of project management

Marks-3 & 5

Q14. (a) Explain the working of hoes with neat sketches.
(b) How would you determine the economic life of equipment?
Q15. What are scrappers? Give factors affecting output of scrapers.
Q16. List various Hoisting and transporting equipments used in civil engg. projects. Explain one of them in detail with neat sketches.

Q17. A maintenance project consists of number of jobs. Their normal duration and costs along with crash costs and duration are given below. Find out the optimum project cost and time

Job	Normal duration	Normal Cost(Rs.)	Crash duration	Crash Cost(Rs.)
1-2	9	9000	6	15000
1-3	8	2000	5	9500
1-4	15	5000	10	20000
2-4	5	2000	3	4000
3-4	10	7000	6	13000
4-5	2	3000	1	7000

Indirect costs are Rs. 6000/. per day

Q18. Updating process.

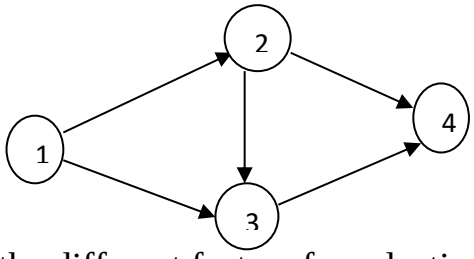
Q19. Name any 3 equipment's used for excavation of work?

Q20. Explain the working of bulldozer with neat sketches.

Q21. A maintenance project consists of number of jobs. Their normal duration and costs along with crash costs and duration are given below. Find out the optimum project cost and time

Job	Normal duration	Normal Cost(Rs.)	Crash duration	Crash Cost(Rs.)
1-2	6	7000	3	14500
1-3	8	4000	5	8500
2-3	4	6000	1	9000
2-4	5	8000	3	15000
3-4	5	5000	3	11000

Indirect costs are Rs. 3000/. per day. Determine the optimum duration of the project and corresponding minimum cost.



Q22. What are the different factors for selection of any construction equipment?

Q23. What do you mean by project management?

Q24. Drawbacks of bar charts.

Q25. Different types of events, activity and dummy.

Q26. Define critical path and its types.

Q27. Define probability distribution curve.

Q28. Define

a) optimistic time
b) most likely time
c) pessimistic time
d) estimated time
e) Earliest expected time
f) Latest allowable occurrence time.

Q29. Define Slack and its types
Q30. Define Float and its types.
Q31. Define EST, EFT, LST and LFT.
Q32. Define resources allocation and its types.
Q33. Define Crane and its function. Types of cranes
Q34. Explain Plants for grading, batching, mixing
Q35. Write different types of mixers
Q35. Explain concrete pumps.
Q36. Explain in detail Belt conveyors
Q37. Explain in detail Belt conveyors Ropeways
Q38. Explain power shovels in detail and draw its sketch
Q38. Explain dragline in detail and draw its sketch