

Mid-West University
Examinations Management Office
Chance Examinations 2081

Bachelor level/ B.E. Civil/ 7th Semester

Time: 3 hours

Subject: Construction Management (MS471/MS403)

Full Marks: 50

Pass Marks: 25

- Attempt all the questions
- Figures in the margin indicate full marks.
- Assume suitable values, with a stipulation, if necessary.
- Candidates are required to answer the questions in their own words as far as possible.

1. Define construction project management. Explain the necessity of construction management in any projects. [1+2]
2. Describe the standard procedures to prepare the specification. [3]
3. Write the objectives of open competitive bidding system. Also mention the impact of poorly drafted bid document. [3+3]
4. List out the excavation, compaction, lifting, loading and transporting equipment's used in construction projects. [3]
5. Write the criteria for selection of appropriate equipment in construction site. write the construction stages of concrete work in site. [2+2]
6. Difference between CPM and PERT with suitable examples. Draw the procurement cycle for procurement of materials. [2+2]
7. Calculate the minimum cost and minimum duration schedule using time cost trade off analysis of the project with following details. Indirect cost is Rs. 1000.

Activity	Predecessor	Normal Duration	Crash Duration	Normal Cost	Crash Cost
A	-	5	2	5000	6000
B	A	4	3	6000	7000
C	A	3	2	5000	6000
D	A	6	3	4000	5500
E	B	5	4	15000	15500
F	D	4	2	4000	5000
G	C, E, F	5	3	8500	10000

8. What are the provisions available to control the unmanaged construction of building and quality control of construction of buildings in Surkhet valley, explain. [6]
 9. Define accident and hazard. Explain the different types of hazards associated in construction site. [3]
 10. "Good housekeeping is the first principle of safety" explain with examples. [1+3]
 11. Are you agree with "the good project life demands a lot of maintenance." why? Write the types of maintenance used in construction project. [3]
 12. Write the short notes on: (any four) [2+1]
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|----------------|---------------------------------|
| i. BOOT | iv. Prequalification of bid |
| ii. Motivation | v. Importance of record keeping |
| iii. TBM | vi. Muster roll |

The End