



Sanjay Ghodawat University, Kolhapur

2018-19

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

EXM/P/09/01

Year and Program: 2018-19

School of Technology

Department of Civil Engg. (M. Tech)

Course Code: CEM 504

Course Title: Construction

Semester – II

Project Management

Day and Date

End Semester Examination

Time: Max Marks: 100

Wednesday 22nd May 2019

(ESE)

2:30 PM to 5:30 PM

Instructions:

- 1) All questions are compulsory.
- 2) Assume suitable data wherever necessary.
- 3) Figures to the right indicate full marks.

Q.1	Solve the following questions.	Marks	Bloom's Level	CO
a)	Explain phases of project throughout life neat sketch	10	L ₂	CO1
OR				
a)	Explain different stake holders involved in construction project	10	L ₂	CO1
Q.2	Solve the following questions			
a)	Illustrate importance project management in construction	10	L ₃	CO2
OR				
a)	Explain turnkey approach of construction with suitable example	10	L ₃	CO3
Q.3	Solve the following questions			
a)	Discuss design and construction relation	10	L ₃	CO3
OR				
a)	Explain technical feasibility in construction	10	L ₃	CO3
Q.4	Solve the following questions			
a)	Discuss factors affecting job site productivity	10	L ₄	CO4
OR.				
a)	Write a short note note on role of material management in construction	10	L ₄	CO4

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Q.5 Solve any three the following questions

- a) Discuss various cost associated with construction 10 L4 CO5
b) List out different method of estimation explain any one in brief 10 L3 CO5
c) How operating cost affect total project estimation? 10 L4 CO5
d) How the bid price is determined? 10 L3 CO5

Q.6 Solve any the following questions

- a) Discuss working capital cycle with suitable example 10 L4 CO6

OR

- a) Write short note on capital budgeting 10 L4 CO6

- b) A company is trying to decide to purchase machine from following two alternatives Suggest best option for purchasing machine on basis of Present value method Assume interest rate 12 % per year 10 L5 CO6

	Option A	Option B
Initial Cost	2,60,000	3,60,000
AOC	8000	3000
Annual Labour Cost	35000	45000
Extra maintenance cost ant end of 5 th year	25,000	35,000
Salvage Value	45000	55000
Life(years)	9	9

- c) Calculate payback period for solar electricity unit on construction site having cost of 75, 000 which save 2500 unit per year .Assume rate of electricity 7 Rs/ unit rate of interest is 4% 10 L5 CO6

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