

B. Tech. Sem - VIII (Mechanical Engg.) (2014 COURSE) (CBCS) :

SUMMER - 2019

SUBJECT: ELECTIVE – III: PROJECT MANAGEMENT & ETHICS

Day: Thursday
Date: 30/05/2019

Time: 02.30 PM TO 05.30 PM
Max. Marks: 60

S-2019-2921

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Assume suitable data if necessary.

Q.1 What is 'Management by Projects'? (10)

OR

Q.1 Enlist different project management association and describe their contributions to project management. (10)

Q.2 How is break even analysis carried out? (10)

OR

Q.2 A machine is purchased at Rs. 60,000/- payments are made equally for 5 years at end of 5 years the machine is sold for Rs. 5,000/-. The machine generates Rs. 12500/- every year, what is the NPV of the machine if the rate of depreciation is 8%. (10)

Q.3 What are the different resource allocation techniques used in a project? (10)

OR

Q.3 How are costs forecasted in a project? (10)

Q.4 A small project consists of jobs below. Find the normal project length and the minimum project length. Also find the excess cost of crashing. (10)

Job	Normal duration	Minimum duration	Cost / day (Rs)
1-2	9	6	20
1-3	9	5	25
1-4	15	10	30
2-4	5	3	10
3-4	10	6	15
4-5	2	1	40

OR

Q.4 What is WBS? What are the rules of drawing a network? (10)

Q.5 What is the necessity of Project Control? (10)

OR

Q.5 Describe the design of PMIS. (10)

Q.6 How do you balance stake holder interest while ensuring integrity? (10)

OR

Q.6 State the importance of Ethics in Business. (10)

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