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Name of Examination : **Winter 2020** - (Preview)

Course Code & Course Name : **ME451U - Project and Financial Management**

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Maximum Marks : **60**

Duration : **3 Hrs**

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Answer Key Submission Type: Marking scheme with model answers and solutions of numerical

Instructions:

1. All questions are compulsory.
2. Illustrate your answer with suitable figures/sketches wherever necessary.
3. Assume suitable additional data; if required.
4. Use of logarithmic table, drawing instruments, and non-programmable calculators is allowed.
5. Figures to the right indicate full marks.

1) Attempt any two

- a) Describe the different types of projects. [6]
- b) Explain with neat sketch the project life cycle curves. [6]
- c) The desired production in a toy manufacturing facility is 96 items for 8 hrs. shift. The following six tasks are required to produce one sub-assembly. [6]

Task	a	b	c	d	e	f
Time Required (min.)	4	5	3	2	1	5
Predecessor Task	–	a	a	b	b, c	d, e

- (i) Determine cycle time.
- (ii) Draw the precedence diagram.
- (iii) Balance the line.
- (iv) Compute the balance delay and line efficiency.

2) Attempt any two

- a) Describe with neat sketch Fulkerson's rule of numbering the events. [6]
- b) Differentiate between CPM and PERT. [6]
- c) A small project include major activities whose time destinations are listed in the table [6]

Table

Steps	T _o (Optimistic)	T _i (Most likely)	T _p (Pessimistic)	Activity
1-2	1	1	7	A
1-3	1	4	7	B
1-4	2	2	8	C
2-5	1	1	1	D
3-5	2	5	14	E
4-6	2	5	8	F
5-6	3	6	15	G

Draw network and find :

- (i) Expected duration and variance of each activity.
- (ii) Expected project length.
- (iii) Variances and standard deviation of project length.

3) Attempt any two

- a) Describe the functions of management in brief. [6]
- b) Give salient features of proprietorship organization(Individual Ownership). [6]
- c) Give salient features of the co-operative organization. [6]

4) Attempt any two

- a) Describe the Functions of Financial Management. [6]
- b) Explain the various sources of Finance. [6]
- c) Explain the various elements of costs? [6]

5) Attempt any two

a) What is the 5R's of Buying?

[6]

b) What is the scope of material management?

[6]

c) Write short notes on 1) ABC analysis

[6]

2) Classification of inventory model.

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