

Time: 3 Hours

Total Marks:80

Note:(1) Q.1 is compulsory(2) Answer **any Three** questions from remaining **Five**(3) Assume suitable **data** if **necessary**1. Write a short note on (**any Five**) (20)

- (a) Project Management
- (b) Guarantees
- (c) List of various clearances
- (d) Aspects of Entrepreneurship
- (e) Fund flow control
- (f) Economic Order Quantity (EOQ)

2. (a) Explain feasibility report for project selection criteria. (10)

(b) Explain various laws, regulations and clearances for starting a new projects. (10)

3. (a) Explain Importance of environmental and safety aspects in project. (10)

(b) Explain Work Breakdown Structure (WBS) in detail. (10)

4. (a) Draw a network diagram and calculate critical path for the following activ- (10)

ities:

Activity	Predecessor activity	Time (days)
A	—	6
B	—	4
C	A	3
D	A	5
E	A	1
F	B,C	4
G	B,C	2
H	E,F	6
I	E,F	5
J	D,H	3
K	G,I	5

(b) What are the time and cost control tools and techniques? (10)

5. (a) How project schedule is made? Explain with suitable example. (10)

(b) Explain project commissioning, start up, stabilization with suitable example. (10)

6. (a) Explain concept of entrepreneur and types of entrepreneurship based on business. (10)

(b) In a desalination plant, an evaporator of area 150 m² was purchased in 1996 at a cost of \$2,00,000. In 2002, another evaporator of area 75 m² was added. What was the cost of second evaporator (in \$)? Assume the cost of evaporator scales as (capacity)^{0.54}. The Marshall and Swift index was 1048.5 in 1996 and 1116.9 in 2002. (10)