

## **OPERATIONS MANAGEMENT- TEST I**

Time: 50 minutes

Max marks:30

1. What were the major developments in the history of Operations Management?
2. Explain the three factors to be considered when developing a Business Strategy.
3. Explain the reasons for the various stages in the Product Life Cycle.
4. Describe the general sequence of steps in new product development.
5. The manager of a Transport Company needs to order tyres in advance. He believes that the demand for tyres is closely related to the distance travelled. Accordingly, the following data covering the past six months have been collected:

Month	Jan	Feb	Mar	Apr	May	June
No of tyres used	100	150	120	70	90	170
Thousands of kilometres driven	1300	2100	1700	1200	1200	2500

It is planned to drive 1,400,000km next month. How many tyres need to be ordered?

6. The college canteen needs to arrange Thali meals as per the steps below:

Task	Description	Time (s)	Predecessor
A	Wipe water on plate	20	-
B	Keep plate on table	4	A
C	Put on Achar	8	B
D	Put on Upperi	10	B
E	Spread Rice	14	B
F	Pour Sambar	12	E
G	Keep Pappad	6	F

If the arranged plates have to come out at the rate of two per minute, design a layout for the tasks.