

SSIT POLYTECHNIC, KALAKAD, MAYURBHANJ
6th SEMESTER INTERNAL EXAMINATION 2023-2024 (SUMMER)

SUB: - INDUSTRIAL ENGINEERING & MANAGEMENT
BRANCH: - MECHANICAL ENGG. / ME I I

FULLMARK-20

TIME-1 HOUR

1. Answer any five Questions.

2x5

- (a) What are the methods of site selection?
- (b) What do you mean by plant design?
- (c) What is the main objective of layout?
- (d) Introduction to Operations Research and its applications?
- (e) What is preventive maintenance?
- (f) What is a layout technique

2. Answer the following Questions.

5x2

- (a) What are the types of plant maintenance and describe all?
- (b)

ACTIVITY	to	tm	tp
1-2	1	7	13
1-6	2	5	14
2-3	2	14	26
2-4	2	5	8
3-5	7	10	19
4-5	5	5	17
6-7	5	8	29
5-8	3	3	9
7-8	8	17	32

A-Draw the project network?

B-Find expected duration and variance of each activity?

C-Calculate the earliest and latest occurrence for each event