

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION)**

**CLASS: BE
BRANCH: ALL**

**SEMESTER: V
SESSION : MO/2019**

SUBJECT : PE5011 PROJECT ENGINEERING

TIME: 1.5 HOURS

FULL MARKS: 25

INSTRUCTIONS:

1. The total marks of the questions are 30.
2. Candidates may attempt for all 30 marks.
3. In those cases where the marks obtained exceed 25 marks, the excess will be ignored.
4. Before attempting the question paper, be sure that you have got the correct question paper.
5. The missing data, if any, may be assumed suitably.

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- Q1 (a) Define project. What are the characteristics of project? [2]
(b) How SWOT analysis helps in selecting a project? [3]
- Q2 (a) Discuss the advantages and disadvantages of a pure matrix form of organization. [2]
(b) How can you select a project from different alternatives? Discuss with an example. [3]
- Q3 (a) Discuss the areas where emphasis is to be given to increase project productivity. [2]
(b) What is the need for market appraisal? Explain key issues to be considered for the market appraisal. [3]
- Q4 (a) What is Iron Triangle in a project management? [2]
(b) Explain the project life cycle in detail. [3]
- Q5 (a) How project commissioning is carried out? Explain. [2]
(b) What is meant by social cost benefit analysis? Explain with an example. [3]
- Q6 (a) Explain about the project risk. [2]
(b) Why feasibility study is required in selecting a project? Show the task undertaken in that analysis by a schematic diagram. [3]

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