



## III SEMESTER B.TECH (IP ENGG.) END SEMESTER MAKE-UP EXAMINATIONS, DECEMBER 2017

SUBJECT: Plant layout and Material handling [MME 2112]

### REVISED CREDIT SYSTEM

Time: 3 Hours

MAX. MARKS: 50

#### Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitably assumed.

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|------------|--|-----------|
| <b>1A.</b> | Explain with example composite method of plant location.   | <b>05</b> |
| <b>1B.</b> | Briefly explain the plant location theory. What are the factors considered in Location of plant? | <b>05</b> |
| <b>2A.</b> | Compare the advantages and disadvantages of various types of layout.                             | <b>05</b> |
| <b>2B.</b> | Name the factors Influencing the Layout and Explain any one.                                     | <b>05</b> |
| <b>3A.</b> | What are the important consideration in Movement factor?   | <b>04</b> |
| <b>3B.</b> | Explain the methods of getting balance for Material forming operation                            | <b>03</b> |
| <b>3C.</b> | What do you mean by Layout Flexibility and Layout Adaptability                                   | <b>03</b> |
| <b>4A.</b> | With a sketch explain Travel chart and Activity Relationship chart                               | <b>04</b> |
| <b>4B.</b> | Explain different Flow pattern with sketch.  | <b>03</b> |
| <b>4C.</b> | What are the objectives of Material handling?  | <b>03</b> |
| <b>5A.</b> | Explain the Equipment principle of Material handling.  | <b>02</b> |
| <b>5B.</b> | Give the Brief classification of Material handling Equipment.                                    | <b>04</b> |
| <b>5C.</b> | Write a note on Safety measures In Material Handling.  | <b>04</b> |