

Total No. of Printed Pages:02

**SUBJECT CODE NO: H-1858**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**M.E. (Mechanical)**  
**EI-2 Productivity Management**  
**(REVISED)**

[Time: Three Hours]

[Max.Marks:80]

N.B Please check whether you have got the right question paper.

- N.B
- 1) Solve any three questions from each section.
  - 2) Figures to the right indicate full marks.
  - 3) Assume suitable data wherever necessary and state it correctly.

**SECTION – A**

- |     |  |    |
|-----|--|----|
| Q.1 | a) Why Productivity is important for a nation as well as enterprise?             | 07 |
|     | b) What is Productivity benefit model?   | 06 |
| Q.2 | a) What are the internal factors of enterprise productivity?                     | 07 |
|     | b) How the productivity is measured at national level? Explain with an example.  | 06 |
| Q.3 | a) What is Productivity cycle?   | 07 |
|     | b) What is Labour productivity? Explain how it can be increased with an example. | 06 |
| Q.4 | a) Explain Lawlor’s approach to productivity analysis in the enterprise.         | 07 |
|     | b) Explain Gold’s approach to productivity analysis in the enterprise.           | 06 |
| Q.5 | Write short notes on ( <u>any two</u> )  | 14 |
|     | a) Work study  |    |
|     | b) Cost benefit analysis   |    |
|     | c) Zero based budgeting.   |    |

**SECTION – B**

- |     |                                |    |
|-----|--------------------------------|----|
| Q.6 | a) Explain the concept of JIT. | 07 |
|     | b) What is Pareto analysis?    | 06 |

- Q.7 a) What is work simplification? 07  
b) Why there is a need of method study? 06
- Q.8 a) What is the process of BPR? 07  
b) What is work measurement? Give an example. 06
- Q.9 a) What are elements? What are its types? 07  
b) Explain TPM in detail. 06
- Q.10 Write short notes on (any two) 14
- 1) MOST
  - 2) Types of allowances
  - 3) Predetermined Time standards.