

This question paper contains 4 printed pages.]

Your Roll No. ....

**8456**

**A**

**B.Tech. (M)/II**

**Paper EME-205-PRODUCTION MANAGEMENT**

*Time : 3 Hours*

*Maximum Marks : 70*

*(Write your Roll No. on the top immediately  
on receipt of this question paper.)*

*Attempt any five questions.*

*All questions carry equal marks.*

*Assume missing data suitable, if any.*

1. (a) As per the theory of Management, what are the different stages of its Evolution? Discuss these stages in brief. 7
- (b) What do you understand by Industrial Disputes ? Find out the causes of Industrial Disputes and discuss, What role the Trade Unions can play, in these matters? 7
2. (a) What is importance of Organization ? Also, discuss the essential elements of a good Organization. 7

[P.T.O.]

- (b) What is Organization Structure? Mentioning different types of Organization structures, discuss the suitability of these types of Organization structures to different types of Organizations with example in brief? 7
3. (a) How the human Behavior can be influenced by Motivation ? Also, explain Maslow's Theory of Motivation. 7
- (b) What kind of managerial activities are done under Personal Management ? Also, explain aims and objectives of Industrial Psychology. 7
4. (a) What do you understand by Feasibility Studies of a Project? What are different phases of Feasibility Study. Discuss with an example in brief. 7
- (b) What is Contract ? Explain different types of Contracts. Also, describe procedure followed for Contracting, with example. 7
5. (a) What do you understand by Product Design and Development? Also Explain, procedure of Product Development, in brief. 7
- (b) What are the objectives of Production, Planning and Control ? Also Explain, different functions of Production, Planning and Control, in brief. 7
6. (a) What are the principles of Job Evaluation ? Differentiate between Quantitative and Non-Quantitative methods of Job Evaluation, and also explain the types of these methods. 7

- (b) In a factory, manufacturing a machine assembly, the standard rate of payment for packing of the assemblies is Rs. 150 per day and standard number of assemblies packed is 60 piece per day. On some day three workers, Ramesh, Dinesh and Suresh could pack 42, 58 and 66 assemblies respectively. What payment they will get on that day, if paid by Emerson's Efficiency Plan ? 7
7. (a) What are the factors, because of which Replacement of Equipment is done? Explain, MAPI method of Replacement Analysis, in brief. 7
- (b) What is productivity ? What are the factors, following which Productivity of a Plant can be improved ? 7

A Businessman having three Manufacturing Plants at Mumbai, Surat and Kolkata. These Plants are delivering same type of Assemblies, with same set of Machines. Suggest which of the Plant is having highest Productivity. 7

Plant Description	Plant at Mumbai	Plant at Surat	Plant at Kolkata
No. of Assemblies Delivered per Month	180	104	236
No. of Machines Operating at the Plants	34	17	48