

2019

**BUSINESS ADMINISTRATION — HONOURS****Ninth Paper****(Group - A)****(Production Management)****Full Marks : 50***The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words  
as far as practicable.*Answer **question no. 1** and **any three** from the rest.

1. (a) Describe different types of layout used in plants and compare them.  
(b) Explain 'Dimensional Analysis' for plant location. 10+10
2. (a) What are the objectives of maintenance? Explain the benefits and disadvantages of preventive maintenance.  
(b) Describe any two materials handling equipment of your choice. 5+5
3. (a) What is Production System? Briefly state the objectives of production planning and control.  
(b) Explain the characteristics of Batch Production and Job Production. 5+5
4. (a) Explain Method Study and its objectives. State the steps of such study.  
(b) How will you estimate Standard Time using values of different parameters of Time Study? 5+5
5. (a) Explain the significance of quality control. State the use of control chart.  
(b) Describe cost of quality. 5+5
6. Write short notes on (**any two**) : 5×2
  - (a) Type-I and Type-II error in product control
  - (b) Principles of plant layout
  - (c) Integrated nature of production plan
  - (d) Total allowances in Work Study.