Reg. No. :

Question Paper Code : 41271

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B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2018
Sixth/Eighth Semester
Industrial Engineering
IE6605 – PRODUCTION PLANNING AND CONTROL
(Common to : Mechanical Engineering//Mechanical and Automation Engineering/
Production Engineering
(Regulations 2013)

Time : Three Hours   Maximum : 100 Marks

Answer ALL questions

PART – A   (10×2=20 Marks)

1. Define Production Planning and Control.

2. What are the three phases of Production Planning and Control ?

3. State the objectives of work study.

4. What are the various of process planning activities ?

5. Define value analysis.

6. State the types of value.

7. What is scheduling ?

8. State the steps in Johnson's algorithm for solving sequencing problems of n jobs and 3 or 4 machines.

9. Compare excess stock and stock out situations.

10. State the advantages of ABC analysis.

PART – B   (5×13=65 Marks)

11. a) Compare between various types of productions.

(OR)

b) What answers marketing analysis give for the proposed product ?

12. a) Write the objectives of method study.

(OR)

b) Explain multiple activity chart with a good example.

13. a) State the ten commandants of valve analysis.

(OR)

b) Explain the responsibilities of a process planning engineer.

14. a) Discuss Gantt charts.

(OR)

b) Explain the various charts used in LOB.

15. a) Why do firms carry inventories ?

(OR)

b) Explain the costs associated with inventory.

PART – C   (1×15=15 Marks)

16. a) Discuss the recent trends in PPC.

(OR)

b) How will you determine minimum-cost batch size ?