

15/05/2019

Roll No.

Printed Pages : 2

34023

BT-4 / M-19

PRODUCTION TECHNOLOGY

Paper-ME - 202E

Time allowed : 3 hours]

[Maximum marks : 100

Note :- Attempt any five questions, taking at least one question from each unit. All questions carry equal marks.

Unit-I

1. Write briefly on merits and demerits of mechanical and hydraulic drive systems. Explain the working of a mechanical drive system, using a sketch. 20
2. Describe AP, GP and logarithmic progressions. Also discuss kinematic advantages of GP for gear box design. 20

Unit-II

3. Write briefly on different gear finishing methods. How are gear production methods classified? 20
4. Write briefly on:
 - (a) Turret-indexing mechanism 10
 - (b) Turret lathes and their characteristics 10

Unit-III

5. Using a neat sketch, write briefly on principle and working of electrochemical grinding. 20

34023

[Turn over

(2)

6. Write briefly on:
- (a) Die cutting operations 10
 - (b) Cutting forces and punch dimensioning 10

Unit-IV

7. Write briefly on:
- (a) Effect of tool vibration on tool life and work piece. 10
 - (b) Design requirements of dynamometers. 10
8. Using a neat sketch, explain the working of a turning dynamometer. Discuss its limitations. 20

downloaded from
StudentSuvidha.com

34023