

- Q.12 Explain Thread rolling process in brief.
- Q.13 Explain Mechanical copying system for lathe machine in brief.
- Q.14 Explain Solvent cleaning method for surface preparation in brief.
- Q.15 Explain any two types of productions with examples used in manufacturing industries in detail.
- Q.16 Explain any method to manufacture Spiral Bevel Gear in detail.
- Q.17 Explain Thread grinding process in brief.
- Q.18 Explain Phosphate coating method in brief.

SECTION-C

- Note:** Long answer questions. Attempt any one questions out of two questions. (1x10=10)
- Q.19 Explain the Gear planning, Gear Hobbing and Gear Shaping processes in detail.
- Q.20 Explain the principle and methodology of Explosive forming with help of diagram in detail.

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Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions.
(10x1=10)

- Q.1 Tell any two characteristics of tool steels.
- Q.2 What is twist drill?
- Q.3 What is Belt sanding?
- Q.4 Tell any two characteristics of Carbide tools.
- Q.5 What is shearing?
- Q.6 Tell the basic function of hob in machining.
- Q.7 What is wire brushing?
- Q.8 Give two applications of High Speed Steel tools.
- Q.9 What is Hand Spraying?
- Q.10 Tell any two factors affecting Tool design.

SECTION-B

- Note:** Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)
- Q.11 Explain methodology of High Energy forming.