

- 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. $(1 \times 10 = 10)$

- 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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**DVOC (Level 3)
5th Sem
Subject : Production Technology**

Time : 2 Hrs. M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions. $(10 \times 1 = 10)$

- 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. $(6 \times 5 = 30)$

- Q.11 Explain methodology of High Energy forming.

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