

### SECTION-B

**Note:** Short answer type questions. Attempt any six questions out of Eight questions. (6x5=30)

- Q.11 Explain Hydraulic servo copying system for lathe machine in brief.
- Q.12 Write the names of various automatic loading and transfer methods. Explain any one.
- Q.13 What is Gear shaping? Explain anyone method of Gear shaping.
- Q.14 Explain the methodology of Nickle Carbide plating. Give its applications.
- Q.15 What is optical measurement? How this technique is useful for auto control of size?
- Q.16 Why carbides tools are preferred over alloy steels, high-speed steels and cast alloys?
- Q.17 What are the main requirements of cutting tool materials?
- Q.18 What do you understand by specification of quality and reliability?

### SECTION-C

**Note:** Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

- Q.19 Explain various types of production layouts used in manufacturing industries. Write few advantages of each.
- Q.20 Write short note on  
(A) Electrostatic spray finishing  
(B) Tool life

No. of Printed Pages : 2

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**DVOC (Level-5)**  
**Ist Sem. / Trade-DVOC(Production Tech.)**  
**Subject : Production Technology**

Time : 2 Hrs.

M.M. : 50

### SECTION-A

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

- Q.1 Copying system for lathe machines
- Q.2 Transfer machines
- Q.3 Thread rolling
- Q.4 Gear hobbing
- Q.5 Vapour degreasing
- Q.6 Friction rollers.
- Q.7 Core drills
- Q.8 Cast Cobalt alloys
- Q.9 Shearing
- Q.10 Limits and fits

(20)

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