

- Q.5 In blanking operation, the clearance is provided on
 a) Punch b) Die
 c) Half on the punch and half on the die
 d) Either on punch or die depending upon designer's choice
- Q.6 What is broaching?
- Q.7 What is gear hobbing process?
- Q.8 What is pickling ?
- Q.9 Why carbides tools are preferred over alloy steels, high-speed steels and cast alloys?
- Q.10 Define shearing?

SECTION-B

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

- Q.11 What are the advantage of automatic lathes?
- Q.12 What are the various method used for gear manufacturing ? Discuss any one .
- Q.13 What is product layout? write any two advantages and limitations of this layout.
- Q.14 Write in brief about Nickle Carbide plating.
- Q.15 Why carbides tools are preferred over alloy steels, high-speed steels and cast alloys?
- Q.16 What is optical measurement ? How this technique is useful for auto. control of size?
- Q.17 Why surface treatment of cutting tools is necessary?
- Q.18 Describe high energy forming.

SECTION-C

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

- Q.19 Explain transfer machines. write its types and explain with suitable sketch.
- Q.20 write short note on
 a) Electrostatic spray finishing
 b) Tool life

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 Roll No.

188854

DVOC (Level 5)
 Sem 1st / (Production Tech.)
 Subject : Production Technology

Time : 2 Hrs.

M.M. : 50

SECTION-A

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

- Q.1 Which of the following characteristic is not usually associated with batch production?
 a) Low volume
 b) Low volume product made to customer order.
 c) Stable, predictable demand
 d) General purpose equipment
- Q.2 Which of the following methods produces gear by generating process.
 a) Milling Casting b) Punching
 c) Milling d) Hobbing
 e) Broaching
- Q.3 What is the main objective of packerising
 a) To increase the toughness
 b) To protect a steel surface from corrosion
 c) To give a glossy look
 d) To improve the ductility
- Q.4 Wearing resistance of cutting tool must be
 a) Very low b) Low
 c) High d) None of the mentioned