

Q.16 What are the characteristics of an ideal cutting tool material?

Q.17 What are two groups of carbide tools? Write in brief about any one.

Q.18 What is running fit?

SECTION-D

Note: Long answer type questions. Attempt any one questions out of two questions. (1x10=10)

Q.19 Write short note on:-

- a) Automatic loading and Transferring
- b) Surface treatment of cutting tools.

Q.20 What is fit? Explain its types with diagram.

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Level 5, 1st Sem / DVOC (Production Tech.)

Subject : Production Tech.

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Multiple choice questions. All questions are compulsory (5x1=5)

Q.1 In which of the following layout type, materials are fed into the first machine and finished products come out of the last machine?

- a) Product layout
- b) Process layout
- c) Fixed position layout
- d) Cellular manufacturing layout

Q.2 Gear shaping is related to.....

- a) Template

- b) Form tooth process
- c) Hob
- d) Generating
- e) All of the above

Q.3 In pickling and etching.....acid is used

- a) Sulphuric acid
- b) Hydro Chlorous acid
- c) Phosphoric acid
- d) Phosphorous acid

Q.4 Which of the following material can be used for coating on tools?

- a) HSS b) TiCN
- c) WC d) CBN

Q.5 The operation of cutting of a flash sheet to the desired shape is called

- a) Shearing b) Piercing
- c) Punching d) Blanking

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SECTION-B

Note: Objective type questions. All questions are compulsory. (5x1=5)

Q.6 Why was power chucks developed?

Q.7 List the applications of gear hobbing.

Q.8 Why reaming operation is performed?

Q.9 Define the terms “Drilling” and “Drill.

Q.10 What is combination tool?

SECTION-C

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

Q.11 What do you mean by copy turning?

Q.12 What are the limitations of gear hobbing?

Q.13 What is process layout? Write any two advantages and limitations of this layout.

Q.14 Write short note on sputtering.

Q.15 Explain drum type transfer machine.

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