

No. of Printed Pages : 4
Roll No.

221744

4th Sem / Mech., Mech(T&D)
Subject : Workshop Technology-III

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which of the following process have the lowest metal removal rate?
- a) Drilling b) Reaming
c) Milling d) Honing
- Q.2 Most cylindrical grinding include a _____ to allow the forming of tapered piece.
- a) Grinding dog b) Swivel
c) Center driver d) None of the above
- Q.3 A screw is specified by its
- a) Major diameter b) Minor diameter
c) Pitch diameter d) pitch

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- Q.4 Gear shaping is related to _____
- a) Template b) Form, tooth process
c) Hob d) Generating
- Q.5 Abrasive slurry in ultrasonic machine is
- a) Water based b) Mercury based
c) Alcohol based d) Oil based
- Q.6 The desired property of gear material are
- a) Notch sensitivity factor should be low
b) Strength should be high
c) It should have better machinability
d) All of the above

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Name any 2 gear materials
- Q.8 Define truing of grinding wheels ?
- Q.9 What is the function of a press ?
- Q.10 Define embossing .
- Q.11 Define extrusion.
- Q.12 Name any two materials for dies.

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SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Write short note on gear manufacturing by stamping with a line diagram.
- Q.14 Write short note on abrasives.
- Q.15 Describe the process of centre less grinding.
- Q.16 Differentiate between piercing and notching process.
- Q.17 Explain the process of pipe drawing with diagram.
- Q.18 Differentiate between open and closed die forging
- Q.19 Write short note on abrasive jet machining.
- Q.20 Explain the galvanizing process giving its merits.
- Q.21 Write short note on thread rolling
- Q.22 Write short note on honing process and the hones .

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 What is hob ? Explain the gear hobbing process with a simple diagram.
- Q.24 Explain the Electro-Discharge machining process, giving its equipment and parameters.
- Q.25 Explain various rolling defects and their remedies.