

- Q.28 Write a short note on lapping and honing.
- Q.29 Describe the sport welding process.
- Q.30 What should be safety measures taken on milling machine.
- Q.31 Discuss the main features of a boring machine.
- Q.32 Describe the process of gear hobbing in brief.
- Q.33 Write the function of press brakes? Also discuss its working.
- Q.34 Discuss about term related to CNC machine, productivity and accuracy.
- Q.35 Compare soldering and brazing.

Section-D

Note: Long answer questions. Attempt any two questions out of three Questions. (2x10=20)

- Q.36 Explain the selection criteria of grinding wheels. Also discuss about the safety precautions in grinding.
- Q.37 What is the principle of boring? Explain the working of a horizontal type boring machine.
- Q.38 What are the various welding defects? Also discuss about various remedial measures for them.

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4th Sem. Branch: Agri. Engg., Auto Engg. Sub : Manufacturing Technology -II

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice Questions. All Questions are compulsory. (10x1=10)

- Q.1 In case of _____ the tool is rotating and the job is reciprocating.
- a) Milling machine b) Shaper machine
c) Planer d) None of these
- Q.2 Hardness of grinding wheel is denoted by
- a) Mesh number b) Grade
c) Structure d) Bond
- Q.3 In _____ milling maximum friction is caused.
- a) Up b) Down
c) Keyway d) None of these
- Q.4 It is an important parameter of specification of a milling machine.
- a) Table size b) Spindle size
c) Arbor size d) None of these

- Q.5 Acetylene gas is stored in cylinders which form.
 a) Solid b) Liquid
 c) Gas d) CNG
- Q.6 An additional metal provided in making a weld is called?
 a) Alloy steel b) Carbon steel
 c) Filler metal d) All of these
- Q.7 It is process of generating a gear by means of a cutter.
 a) Hobbing b) Honing
 c) Shaping d) Shaving
- Q.8 In this process, plates are bent using a set of rolls.
 a) Flanging b) Roll bending
 c) Bending d) Hemming
- Q.9 SIC stands for
 a) Sillicate b) Silicon carbon
 c) Silicon carbide d) Aluminium oxide
- Q.10 Principle of resistance welding is based on _____.
 a) Archimedes law
 b) Coulomb's law
 c) Newton's law of motion
 d) Joule's law of heating

Section-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 CNC stands for_____.

- Q.12 Write any two welding defects.
 Q.13 Define coolant.
 Q.14 Name the gases used in TIG welding.
 Q.15 Write any two milling cutters names.
 Q.16 List two types of drills.
 Q.17 State two types of gears.
 Q.18 State two types of grinding wheels.
 Q.19 Write two advantages of welding.
 Q.20 What is the purpose of super finishing operation.

Section-C

Note: Short answer type Question. Attempt any twelve questions out of fifteen Questions. (12x5=60)

- Q.21 Describe the process of cylindrical grinding.
 Q.22 Explain the simple indexing of a job on milling machine.
 Q.23 Write at least five advantages of CNC machine.
 Q.24 Write at least five functions of cutting fluid.
 Q.25 Differentiate between reaming and drilling.
 Q.26 What is the super finishing operation? Also write its various applications in manufacturing.
 Q.27 Explain the working principle of centre less grinding.