

- Q.33 What is the difference between boring and drilling?
Q.34 Describe the process of lapping.
Q.35 Describe spot welding process.

SECTION-D

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

- Q.36 What is the principle of drilling? Give the classification of drilling machines. Also list down various operations that can be performed on drilling machines.
Q.37 What are various welding defects and what are the remedial measures for them?
Q.38 Explain the selection of grinding wheels. Also explain safety precautions in grinding.

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4th Sem, **Branch : AGRI Engg.**
Subject : 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
c) Planer d) None of these
- Q.2 Grinding operation is used for
a) Dressing b) Finishing
c) Planing d) None of these
- Q.3 A wheel grain size is indicated by
a) Numbers b) Symbols
c) Alphabets d) None of these
- Q.4 The process used for finishing various shapes by means of bonded abrasive stone is called
a) Honing b) Lapping
c) Super finishing d) Polishing
- Q.5 An additional metal provided in making a weld is called
a) Alloy steel b) Filler metal
c) Carbon steel d) Non ferrous metal

- Q.6 In how many operations a T-Slot is milled?
 a) Two b) Three
 c) Four d) None of these
- Q.7 The process of improving cutting action of grinding wheel is _____ operation.
 a) Facing b) Turning
 c) Dressing d) None of these
- Q.8 The speed at which drill revolves is called
 a) Cutting speed b) Drilling speed
 c) speed d) None of these
- Q.9 _____ is an important parameter of specification of a milling machine.
 a) Arbor size b) Spindle size
 c) Table size d) None of these
- Q.10 _____ is used for majority of grinding wheels
 a) Silicate b) Shellac
 c) Vitrified d) None of these

SECTION-B

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

- Q.11 Define Drilling.
- Q.12 List two types of drill holding devices.
- Q.13 Give the purpose of grinding.
- Q.14 Name two types of milling cutters.
- Q.15 Name two types of gears.

- Q.16 Name two types of coolants.
- Q.17 State two advantages of welding.
- Q.18 State two benefits of CNC machines.
- Q.19 What is the purpose of super finishing operation?
- Q.20 List two operations to be performed on boring machines.

SECTION-C

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

- Q.21 Write four advantages of CNC machines.
- Q.22 Give four safety precautions in the use of cutting fluids.
- Q.23 Write a short note on angular milling.
- Q.24 What are different types of abrasives.
- Q.25 Discuss the main features of a boring machine.
- Q.26 Describe the procedure for balancing a grinding wheel.
- Q.27 What is the function of press brakes? Explain its working.
- Q.28 List four accessories used in drilling machines.
- Q.29 What is the difference between soldering and brazing?
- Q.30 Explain simple indexing of a job on milling machine.
- Q.31 Describe the process of gear hobbing in brief.
- Q.32 List different operations to be performed on drilling machines.