

- 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.

No. of Printed Pages : 4
Roll No.....

180144/120144/30144

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) Supper 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. $(10 \times 1 = 10)$

- 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. $(12 \times 5 = 60)$
- 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.