

- Q.27 What is the difference between reaming and drilling?
- Q.28 Describe various welding defects and their remedies.
- Q.29 Give different types of abrasives used in finishing operation.
- Q.30 Explain the procedure for balancing a grinding wheel.
- Q.31 What do you mean by indexing of a job in milling machine.
- Q.32 What are various drilling operations?
- Q.33 What is the purpose of finishing the surfaces?
- Q.34 Describe the process of surface grinding.
- Q.35 Write four safety measures in milling.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 What is the principle of boring? Explain the working of a horizontal type boring machine.
- Q.37 Explain different types of coolants and lubricants used for various machining processes. Also give safety precautions in use of cutting fluids.
- Q.38 Compare cylindrical and centreless grinding in detail.

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4th Sem / Agri, Auto Subject:- Manufacturing Technology - II

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 The full form of CNC is
- Coordinate numerical calculator
 - Calculated numerical control
 - Numerical control
 - Computer numerical control
- Q.2 In _____ milling maximum friction is caused.
- key way
 - Up
 - Down
 - None of these
- Q.3 The process for removing excess material from a workpiece with a rotating cutter is
- Milling
 - Drilling
 - Boring
 - Grinding
- Q.4 The distance travelled by a drill along its axis into the working piece during its one revolution is called
- Machining time
 - Cutting speed

- c) Depth of cut d) Feed
- Q.5 The process of enlarging the existing hole with a single point cutting tool is called
- a) Drilling b) Milling
- c) Boring d) Grinding
- Q.6 The process of generating a gear by means of a cutter is known as
- a) Hobbing b) Honing
- c) Shaping d) Shaving
- Q.7 SIC stands for
- a) Silicon carbide b) Silicate
- c) Aluminium oxide d) Bakelite
- Q.8 Which of the following is not an Arc welding
- a) Spot welding
- b) flux cored arc welding
- c) Electroslag welding
- d) Carbon arc welding
- Q.9 Acetylene gas is stored in cylinder in which form
- a) Solid b) Gas
- c) Liquid d) CNG
- Q.10 In this process, plates are bent using a set of rolls
- a) Bending b) Roll bending
- c) Flanging d) Hemming

SECTION-B

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

- Q.11 Define Boring.
- Q.12 Define grinding.
- Q.13 Give two examples of coolant.
- Q.14 State two advantages of soldering.
- Q.15 Name two types of welding.
- Q.16 List two types of drills.
- Q.17 List two types of finishing operations.
- Q.18 Name the gases used in TIG welding.
- Q.19 Give two advantages of CNC machines.
- Q.20 List two types of milling cutters.

SECTION-C

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

- Q.21 What are tool holding devices in drilling?
- Q.22 What is the purpose of lapping?
- Q.23 Describe the Arc welding process.
- Q.24 Describe the process of cylindrical grinding.
- Q.25 State four advantages of CNC machines.
- Q.26 Give four operations to be performed on milling machines.