

- 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.

No. of Printed Pages : 4                    180144/120144/030144  
Roll No. ....

**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.