

- Q.26 Describe the procedure for balancing a grinding wheel.
- Q.27 Write a short note on angular milling.
- Q.28 List of four accessories used in drilling machines.
- Q.29 What is gear shaving machine? How it works?
- Q.30 Describe the various types of milling cutters.
- Q.31 What are the tool holding devices in drilling?
- Q.32 Write a short note on gear hobbing.
- Q.33 Write a short note on arc welding process.
- Q.34 What are the different types of abrasives?
- Q.35 Explain the working of press brakes. Also describe its functions.

## SECTION-D

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

- Q.36 Discuss about various functions and properties of cutting fluid. Also briefly describe any two types of cutting fluids commonly used.
- Q.37 What are the various welding defects? Also discuss about various remedial measures for them.
- Q.38 Compare cylindrical and centreless grinding in detail. Draw sketches to illustrate.

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Roll No. ....

**4th Sem.**

**Branch :Agri, Auto**

**Sub.: Manufacturing Technology-II**

**Time : 3 Hrs.**

**M.M. : 100**

## SECTION-A

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

- Q.1 In a milling machine cutting tool is mounted on  
a) Table                                      b) Column  
c) Arbor                                        d) None of these
- Q.2 While specifying a wheel grain size is indicated by  
a) Mesh numbers                          b) Symbols  
c) Alphabets                                 d) All of these
- Q.3 Acetylene gas is stored in cylinder in which form  
a) CNG                                         b) Gas  
c) Liquid                                        d) Solid
- Q.4 Geometrical deviation from nominal surface, present on a machined surface known as  
a) Waviness                                  b) Surface roughness  
c) Wear                                         d) Fins
- Q.5 The common natural abrasives is/are  
a) Sand stone                                 b) Diamond  
c) Emery                                        d) All of these

Q.6 \_\_\_\_\_ is the mostly used for finishing internal cylindrical surfaces such as drilled or bored holes.

- a) Boring                                      b) Drilling
- c) Reaming                                      d) Honing

Q.7 Productivity index of CNC machine is ratio of \_\_\_\_.

- a) Input divided by output
- b) Output divided by input
- c) Time divided by space
- d) All of these

Q.8 Different grades of a grinding wheel denote the \_\_\_\_.

- a) Softness of the grinding wheel
- b) Shape
- c) Hardness of the grinding wheel
- d) Structure

Q.9 Grinding wheels are composed of a very hard abrasive particles held together by an adhesive substance called \_\_\_\_.

- a) Bond                                      b) Glue
- c) Grain                                      d) Gum

Q.10 In centreless grinding the work piece is advanced by

- a) Manually
- b) Automatic drive
- c) Force exerted by the regulating wheel
- d) None of these

## SECTION-B

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

Q.11 Define soldering.

Q.12 Define brazing.

Q.13 Name of two types of gears.

Q.14 Highlights the purpose of grinding.

Q.15 Give two advantages of welding.

Q.16 List two types of coolants.

Q.17 List two types of drill holding device.

Q.18 Define super finishing operation.

Q.19 Define abrasives.

Q.20 CNC stands for \_\_\_\_.

## SECTION-C

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

Q.21 Write four advantages of CNC machine.

Q.22 Describe the spot welding process.

Q.23 What is the difference between simple and compound indexing?

Q.24 What is the difference between boring and drilling?

Q.25 Write down four safety precautions in the use of cutting fluids.