

- 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 Write a short note on 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 drilling? How the drilling machines are classified on the basis of their construction and works performed?

Q.37 Compare cylindrical and centreless grinding in detail.

Q.38 Explain different types of coolants and lubricants used for various machining processes.

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

Time : 3Hrs. M.M. : 100

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## **SECTION-A**

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

- Q.1 The process of enlarging the existing hole with a single point cutting tool is called  
a) Drilling                      b) Milling  
c) Boring                        d) Grinding

Q.2 Acetylene gas is stored in cylinder in which form  
a) Solid                        b) Gas  
c) Liquid                        d) CNG

Q.3 Grinding operation is used for  
a) Dressing                    b) Planning  
c) Finishing                    d) Gear cutting

Q.4 While specifying a wheel grain size is indicated by  
a) Mesh number                b) Symbols  
c) Alphabets                    d) Numbers

Q.5 In how many operation a T-slot is milled?  
a) Two                         b) Three  
c) Four                        d) None of these

Q.6 It is hard material which can be used to cut or wear away other materials.

- a) Polishing
- b) Buffing
- c) Abrasive
- d) Super finishing

Q.7 \_\_\_\_\_ operation is the process of improving cutting action of grinding wheel

- a) Facing
- b) dressing
- c) Turning
- d) None of these

Q.8 The process for removing excess material from a workpiece with a rotating cutter is

- a) Milling
- b) Drilling
- c) Boring
- d) Grinding

Q.9 The process of generating/Producing the holes with a multipoint cutting tool is called

- a) Grinding
- b) Boring
- c) Milling
- d) Drilling

Q.10 The distance travelled by a drill along its axis into the working piece during its one revolution is called

- a) Machining time
- b) Cutting speed
- c) Depth of cut
- d) Feed

## SECTION-B

**Note:** Objective type questions. All questions are compulsory.  $(10 \times 1 = 10)$

Q.11 List two types of grinding wheels.

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Q.12 Give two advantages of welding.

Q.13 What is the purpose of super finishing operation?

Q.14 Give two examples of coolant used for machining process.

Q.15 List two types of drill holding devices.

Q.16 Name two types of boring machines.

Q.17 What is the purpose of grinding?

Q.18 Give two types of milling cutters.

Q.19 Name two types of welding.

Q.20 Give two advantages of soldering.

## SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions.  $(12 \times 5 = 60)$

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 Give four advantages of CNC machines.

Q.26 Give four operations to be performed on milling machines.

Q.27 What is the difference between reaming and drilling?

Q.28 Write four functions of cutting fluid.

Q.29 Give different types of abrasives used in finishing operation.

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