

- 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

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. (10x1=10)

- Q.11 List two types of grinding wheels.

- 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. (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 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.