

- Q.19 Describe the procedure for balancing a grinding wheel. (CO4)
- Q.20 Describe any two casting defects and their remedies. (CO3)
- Q.21 What is the principle of arc welding process? (CO5)
- Q.22 Write down a short note on different pattern materials. (CO3)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 What is the working principle of micrometer? Also draw neat sketch with labelling its parts. (CO1)
- Q.24 Explain any four operations to be performed on lathe machine with the help of neat sketch. (CO4)
- Q.25 What is the principle of drilling? Give the types of drilling machine. Also enlist the various operations performed on drilling machines. (CO4)

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4th Semester/ Agriculture Subject : Manufacturing Technology

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 What is/are the need of limits, fits and tolerances? (CO1)
- a) Standardization b) Mass production
c) Interchangeability d) All of the above
- Q.2 The process of providing a thin layer of zinc coating of iron and steel is known as (CO2)
- a) Cementation b) Metal cladding
c) Galvanizing d) Electroplating
- Q.3 An additional metal provided in making a weld is called (CO5)
- a) Alloy steel b) Filler metal
c) Carbon steel d) All of the above

Q.4 The surface of metals starts deteriorating may be known as (CO2)

- a) Deburring b) Tumbling
- c) Corrosion d) Descaling

Q.5 What is purpose of quick return mechanism? (CO4)

- a) To set the job
- b) To reduce the time in return stroke
- c) For good finishing
- d) To reduce the time in cutting stroke

Q.6 Core sand is also known as (CO3)

- a) Oil sand b) Dry sand
- c) Parting sand d) Green sand

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 _____ is the work holding device for lathe machine. (CO4)

Q.8 Write any two applications of Vernier Caliper. (CO1)

Q.9 Write full form of TIG welding. (CO5)

Q.10 _____ is the major portion of moulding sand. (CO3)

Q.11 Write down application of knurling. (CO4)

Q.12 Grinding wheel is a _____ point cutting tool. (CO4)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 What are the necessities of metallic and non-metallic coating? (CO2)

Q.14 What is tolerance? Also discuss its types with example. (CO1)

Q.15 List down types of milling machines? (CO4)

Q.16 Write a short note on galvanizing process. (CO2)

Q.17 Discuss about lapping operation and its applications. (CO4)

Q.18 Write down any two welding defects and their remedies. (CO5)