

Q.28 Differentiate between capstan lathe and turret lathe. (CO-4)

Q.29 Explain plain turning and taper turning. (CO-4)

Q.30 Discuss Go and Not-Go gauges. (CO-6)

Q.31 Discuss various work holding devices of lathe. (CO-4)

Q.32 Describe slip gauges. (CO-6)

SECTION-D

Note: Long answer type questions. Attempt any three questions. 3x10=30

Q.33 Describe various casting defects and their remedies. (CO-3)

Q.34 Explain construction and working of shaper. (CO-5)

Q.35 Discuss various lathe operations. (CO-4)

Q.36 Explain pattern and its types. (CO-3)

(**Note:** Course outcome/CO is for office use only)

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Roll No.

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3rd Sem. / Auto. Engg., Agri. Engg.

Subject : Manufacturing Tech. - I

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Objectives questions. All questions are compulsory (10x1=10)

Q.1 Deposition of a layer of superior metal on a metallic workpiece is called (CO-2)

Q.2 is used for metal sawing. (CO-1)

Q.3 The highest permissible size of manufactured workpiece is called (CO-1)

Q.4 Tolerance is the difference between the maximum size and minimum size of a component. (True/False) (CO-1)

Q.5 Give name of any one type of pattern. (CO-3)

(440)

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- Q.6 is used for melting the material for casting. (CO-3)
- Q.7 Chuck is a work holding device for lathe machine. (True/False) (CO-4)
- Q.8 Write full form of HSS. (CO-4)
- Q.9 Shaper cuts in forward stroke. (True/False) (CO-5)
- Q.10 Give name of the gauge for checking height of a component. (CO-6)

SECTION-B

Note: Very Short answer type questions. Attempt any ten parts. 10x2=20

- Q.11 Define limit. (CO-1)
- Q.12 What is bilateral tolerance. (CO-1)
- Q.13 Write a use of micrometer. (CO-1)
- Q.14 Define galvanizing. (CO-2)
- Q.15 Give any two defects of casting. (CO-3)
- Q.16 Define moulding. (CO-3)

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- Q.17 Write the names of any two types of melting furnace. (CO-3)
- Q.18 Define knurling. (CO-4)
- Q.19 Differentiate between speed and feed of lathe. (CO-4)
- Q.20 What is the use of radius gauge? (CO-6)
- Q.21 Define turret head. (CO-4)
- Q.22 Give names of any two pattern materials. (CO-3)

SECTION-C

Note: Short answer type questions. Attempt any eight questions. 8x5=40

- Q.23 Explain limit and its types. (CO-1)
- Q.24 Write the names of any five types of pipe fittings. (CO-1)
- Q.25 Describe metal spraying. (CO-2)
- Q.26 Describe electroplating. (CO-2)
- Q.27 Explain core and core materials. (CO-3)

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