

Section-D

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

- Q.23 What are the various welding defects? Also discuss about various remedial measures for them. (CO5)
- Q.24 Briefly discuss about various lathe operations with neat sketch. (CO4)
- Q25 Compare cylindrical and centreless grinding in detail. (CO4)

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Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 An operation of producing an external conical surface on a work piece is known as. (CO4)
- a) Plain turning b) Taper turning
- c) Step turning d) Facing
- Q.2 In moulding, the middle flash is known as (CO3)
- a) Drag b) Cheek
- c) Cope d) None of these
- Q.3 Core sand is also known as _____. (CO3)
- a) Oil sand b) Parting Sand
- c) Green Sand d) Dry Sand
- Q.4 It is an important parameter of specification of a milling machine. (CO4)
- a) Table size b) Arbor size
- c) Spindle size d) None of these

Q.5 Hardness of grinding wheel is denoted by (CO4)

- a) Mesh number b) Bond
c) Structure d) Grade

Q.6 The process of providing a thin layer of zinc coating on iron and steel called (CO2)

- a) Electroplating b) Metal cladding
c) Galvanizing d) Cementation

Section-B

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

Q.7 Define limit. (CO1)

Q.8 What is knurling. (CO4)

Q.9 Write a use of micrometer. (CO1)

Q.10 State the name of gauge for checking height of a component. (CO1)

Q.11 _____ is a work holding device for lathe machine. (CO4)

Q.12 _____ is used for melting the material for casting. (CO3)

Section-C

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

Q.13 List down common materials used for pattern making. (CO3)

Q.14 What is interchangeability? Explain its use. (CO1)

Q.15 What is metal spraying method? Also write down its advantages. (CO2)

Q.16 Give difference between "Go" and "Not-Go" gauge. (CO1)

Q.17 What should be the remedies to prevent/remove the casting defects? (CO2)

Q.18 What should be the safety precautions while working on milling machine? (CO4)

Q.19 Discuss various work holding devices of lathe. (CO4)

Q.20 What is electroplating? Describe this process with diagram. (CO2)

Q.21 Discuss any four properties of a moulding sand. (CO4)

Q.22 Describe the principle of boring. (CO4)