

SECTION-D

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

Q.23 What are various welding defects and what are the remedial measures for them? (CO8)

Q.24 What is the principle of drilling? Give the classification of drilling machines. Also list down various operations that can be performed on drilling machines. (CO5)

Q.25 What is the principle of boring? Give the classification of boring machines. Explain the working of a horizontal type boring machine. (CO6)

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Subject : Manufacturing Technology

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 Grinding wheel is specified as C8K 5 B 17". Grain size of a wheel will be (CO6)

- a) Coarse
- b) Medium
- c) Fine
- d) Very fine

Q.2 It is used to make a cavity in the mould (CO3)

- a) Core
- b) Pattern
- c) Core box
- d) Mould

Q.3 Milling cutter is a _____ cutting tool (CO6)

- a) Single point
- b) Multi point
- c) Single bit
- d) None of the above

Q.4 Honing is used for finishing _____ cylindrical surface (CO7)

- a) External
- b) Internal
- c) Both (a) and (b)
- d) None of the above

Q.5 By increasing cutting speed, amount of heat generated. (CO4)

- a) Increase
- b) Decrease
- c) Remains constant
- d) None of them

Q.6 The cavity produced by pattern in compact sand is known as (CO3)

- a) Mould
- b) Pattern
- c) Core Box
- d) Casting

SECTION-B

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

Q.7 Grinding wheel is a/an _____ tool point cutting. (CO6)

Q.8 Full form of TIG welding is _____ (CO8)

Q.9 _____ is the major portion of moulding sand. (CO3)

Q.10 What is the purpose of super finishing operation? (CO7)

Q.11 Give name of the gauge for checking gap between components. (CO1)

Q.12 Size of radial drilling machine is specified by _____. (CO5)

SECTION-C

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

Q.13 Describe the Arc welding process. (CO8)

Q.14 Describe the procedure for balancing a grinding wheel. (CO6)

Q.15 Explain the process of Vacuumizing. (CO2)

Q.16 List four accessories used in drilling machines. (CO5)

Q.17 What are the defects in moulds? Explain their remedies. (CO3)

Q.18 Differentiate between capstan and turret lathe. (CO4)

Q.19 What do you mean by indexing of a job in milling machine (CO6)

Q.20 What is the purpose of finishing the surfaces? (CO7)

Q.21 Discuss various work holding devices of lathe. (CO4)

Q.22 Discuss Go and Not-Go gauges. (CO1)