

No. of Printed Pages : 4

Roll No. 220327

220327

2nd Sem. / Branch: Auto/Mech/Mech (T&D)

Subject : Workshop Tech-I

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 Micrometers are designed on the principle of

- a) Micro measurement
- b) Meters
- c) Screw and nut
- d) Gauges

Q.2 Drill is a

- a) Multipoint cutting tool
- b) Rotary motion tool
- c) Both a and b
- d) None of these

c
c
a
a, b
a
a

Q.3 Filler metal is used in

- ~~a) Gas welding~~
b) Electric resistance welding
c) Seam welding
d) Spot welding

Q.4 Three jaw universal chuck is suitable for

- a) Accurate jobs ~~b) Cylindrical job~~
c) Irregular jobs d) None of the above

Q.5 Tapping operation is used for cutting

- a) ~~Internal threads~~ b) External threads
c) Multiple threads d) None of the above

Q.6 Vertical boring machine is also known

- a) Vertical boring lathe
b) Vertical milling machine
c) Vertical boring machine
d) Vertical drilling head

SECTION-B

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

Q.7 What is law?

(2)

220327

Q.8 What is least count of micrometer?

0.01 mm

Q.9 Submerged arc welding is suitable for

low alloy steel

Q.10 Lathe bed is made of mild steel (True/False)

Q.11 A twist drill is a type of drill having

2, 3 or 4 flutes
or more spiral

Q.12 Facing head is mounted on the

helical
flutes
stage of planer

SECTION-C

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

Q.13 What are the sledges hammers?

Q.14 What are parts of a single point cutting tool?

Q.15 Write the advantages of welding.

Q.16 Explain the principle of turning.

Q.17 Explain working of four jaw independent chuck.

Q.18 Explain floor type horizontal Boring machine

Q.19 Explain working of table type horizontal Boring machine.

Q.20 What are the files?

Q.21 What are outside micrometers?

Q.22 What is effect of polarity?

straight
polarity
Reverse
polarity

(3)

220327

SECTION-D

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

Q.23 Explain construction and working Vernier caliper.

Q.24 Explain various types of gas welding flames and their application.

Q.25 Explain construction and working of radial drill machine with neat sketch.

15

1) Permax joint

2) leak proof

3) Leak proof

4) High load carrying capacity

5) possibility to alter joint properties

6) economical
less