

- Q.20 Explain the working principal of drilling. (CO6)
- Q.21 Define a reamer and explain in brief any one type of reamer. (CO7)
- Q.22 Define cutting fluid and write its any four properties. (CO1)

SECTION-D

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

- Q.23 Define gas welding. Explain its principle of operation with the help of neat sketch. Also write any three advantage and disadvantage of gas welding. (CO9)
- Q.24 Explain any four lathe operation with the help of neat sketch. (CO3)
- Q.25 Define drilling? Explain the construction and working of radial drilling machine with the help of simple and neat sketch. (CO6)

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**2nd Sem / Automobile, Mechanical, Mechanical
(Tool & Die Design)
Subject : Workshop Technology - I**

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 Which of the following chisel is used for carpentry work? (CO1)
- a) Firmer chisel b) Flat Chisel
c) Stone Chisel d) None of these
- Q.2 Vernier scale has a least count of _____. (CO2)
- a) 0.02 mm b) 0.2 mm
c) 2 mm d) None of these
- Q.3 Heat produced during cutting can be minimized by reducing? (CO2)
- a) friction b) temperature
c) pressure d) All of these

Q.4 Which material is used in making Lathe beds.
(CO5)

- a) Mild steel b) Low Carbon Steel
c) Cast Iron d) None of these

Q.5 Drill is a _____.

- a) Multi-point cutting tool
b) Rotary motion tool
c) Both a and b
d) None

Q.6 In boring operation hole is _____.

- a) Reduced b) Enlarged
c) Finished d) None of these

SECTION-B

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

Q.7 What is saw? (CO1)

Q.8 The least count of micrometer is _____ mm. (CO2)

Q.9 Acetylene cylinder are painted with _____ color. (CO9)

Q.10 Lathe bed is made up of Cast Iron (True/False)
(CO5)

Q.11 A twist drill is a type of drill having _____ number of flutes? (CO6)

Q.12 Boring head is used to clamp the boring tool (True/False)

SECTION-C

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

Q.13 What is chisel? Name different type of chisel. Explain any one. (CO1)

Q.14 Explain in brief the working principle of vernier caliper with the help of neat sketch. (CO2)

Q.15 Describe the main parts of single point cutting tool with the help of neat sketch. (CO4)

Q.16 Define welding. Write its advantages and disadvantages. (CO9)

Q.17 Differentiate between three jaw chuck and four jaw chuck. (CO3)

Q.18 Write any four properties of cutting tool material. (CO5)

Q.19 Describe main parts of a twist drill with the help of neat sketch. (CO7)