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2nd Sem / Automobile, Mechanical, Mechanical (Tools & 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 part of the hammer is used for shaping and forming work ? (CO1)

a) Pein b) Face

c) Chik d) Wedge

Q.2 What is the purpose of the vernier scale in a vernier caliper? (CO2)

a) Primary measurement

b) Fractional measurement

c) Depth measurement

d) Internal measurement

Q.3 A good tool material should possess _____ coefficient of friction. (CO3)

a) Low b) High

c) Very high d) Zero

Q.4 Lathe centres are provided with the following standard taper _____. (CO5)

a) British b) Sharpe

c) Morse d) British

Q.5 The most commonly used materials for drills, taps reamers is _____. (CO6)

a) Low alloy carbon steel

b) Mild steel

c) H.S.S

d) None of the above

Q.6 Which of the following operation is used to enlarge the previously drilled hole ? (CO7)

a) Reaming b) Tapping

c) Boring d) None of these

SECTION-B

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

Q.7 The material of an anvil is _____. (CO1)

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

Q.9 Oxygen cylinders are painted _____ color. (CO9)

Q.10 The three jaw universal chuck is also known as _____. (CO5)

Q.11 The process of producing the holes with the help of multi-point cutting tools is called _____. (CO6)

Q.12 Boring tool is _____ Point tools (CO7)

SECTION-C

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

Q.13 Name the different types of chisels ? Explain the flat chisel. (CO1)

Q.14 Explain the principle of vernier caliper. (CO2)

Q.15 What are the main parts of a single point cutting tool? (CO4)

Q.16 Define Welding and List down any five the industrial application of welding. (CO9)

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

Q.18 Define cutting speed, feed and depth of cut w.r.t lathe. (CO5)

Q.19 Sketch a twist drill and name its different parts. (CO7)

Q.20 Define a reamer and list different types of reamers. (CO6)

Q.21 Explain the working principle of boring. (CO7)

Q.22 Differentiate between cutting fluid and lubricants. (CO10)

SECTION-D

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

Q.23 Explain different types of gas flames and their application (CO9)

Q.24 Describe the function of various parts of a centre lathe with neat sketch. List some of the operations that can be done on lathe. (CO3)

Q.25 State the working principle of drilling. Explain radial drilling machine with the help of neat sketch. (CO6)