

No. of Printed Pages : 4
Roll No.

221732

**3rd Sem / Mechanical Engg., Mechanical
(Tool & Die Design)**

Subject : Mechanical Engineering Drawing - II

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 What type of connection is coupling?

- a) Permanent connection
- b) Temporary connection
- c) It can't connect
- d) A connection which can be modified

Q.2 The relation between mating parts is called _____

- a) Connection b) Fits
- c) Joints d) Link

Q.3 A _____ bearings supports the load acting along the axis of the shaft.

- a) Thrust b) Radial
- c) Longitudinal d) Transversal

Q.4 With the use of Jigs and fixtures total cost of production

- a) Increases b) Decreases
- c) Remains same
- d) Jigs are not related to production process

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Q.5 Which of the following is not true about gears?

- a) Positive drive
- b) Constant velocity ratio
- c) Transmit large power
- d) Bulky construction

Q.6 Which of the following does not form the important part of the screw jack?

- a) Frame b) Nut
- c) Cup d) Coupling

SECTION-B

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

Q.7 Enlist various Need of limit.

Q.8 Define Shaft basis system.

Q.9 Name the Type of pipe Joints. Explain any one.

Q.10 Minimum interference is the magnitude of the difference between _____ size of the hole and the _____ size of the shaft.

Q.11 Efficiency of conventional power screw is greater than the efficiency of recirculating ball screw

- a) True b) False

Q.12 Gear drive don't require precise alignment of shafts

- a) True b) False

SECTION-C

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

Q.13 Enlist the various advantages of screw jack.

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- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)
- Q.23 Explain Nomenclature of gears with the help of neat sketch.
- Q.24 Assemble the Roller Bearing as shown in figure below and draw
- Front view
 - Side view

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

- Q.23 Explain Nomenclature of gears with the help of neat sketch.
- Q.24 Assemble the Roller Bearing as shown in figure below and draw
- Front view
 - Side view

