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3rd Sem / Agri, Mech, Prod, T&D, CNC, CAD/ CAM, GE, Metallurgy, Pack. Tech, Print Making Tech., Mech (Ad. Manu. Tech), Mech Engg (Fabrication Tech)

Subject:- Mechanical Engineering Drawing / M / c Drg.

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Very long answer type questions. Attempt any ten questions out of twelve questions. (2x10=20)

- Q.1 What is the need of giving tolerance to the part?
- Q.2 What is the function of blow off cock?
- Q.3 Define pulley
- Q.4 Define the flank of gear
- Q.5 Give difference of fast and loose pulley giving its application
- Q.6 Name any four parts of screw jack
- Q.7 What is the need of wall bracket?
- Q.8 Which is the commonly used material for piston?
- Q.9 Define module of gear with its formula
- Q.10 What is the function of bearings?
- Q.11 Define addendum.
- Q.12 Name the material of bush and give the function of bushes.

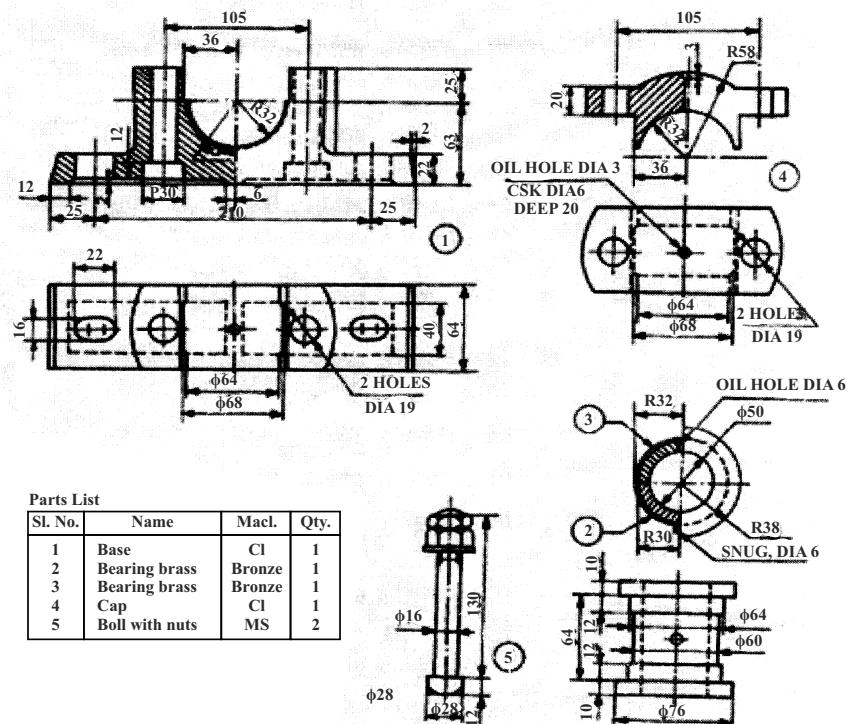
SECTION-B

Note: Long answer type questions. Attempt any four questions out of five questions. (20x4=80)

- Q.13 Figure shows the details of Plummer block. Assemble the parts and draw :

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- i) half-sectional front view
- ii) top view

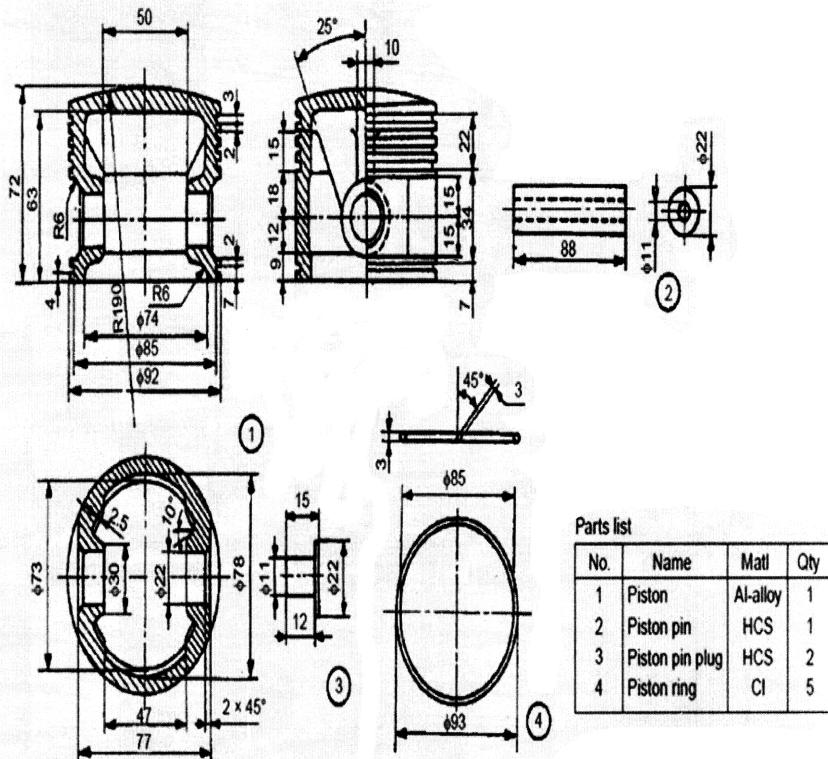


Q.14 Fig shows the detail drawing of an Piston. Assemble all the parts together and draw

- i) full sectional the front view
- ii) top view

Assume any missing dimension. Select a suitable scale

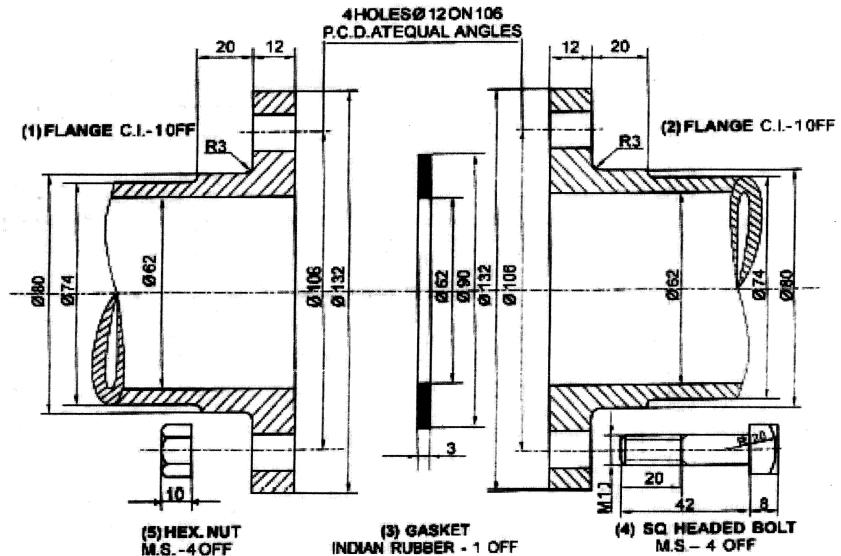
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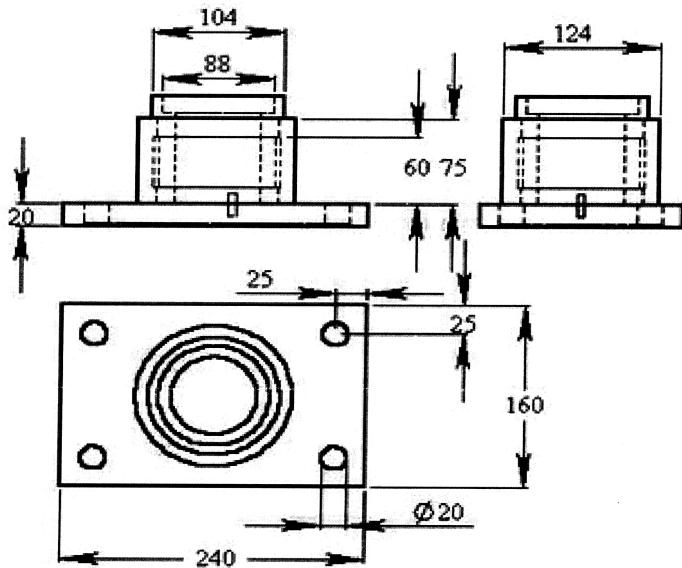
Q.15 Fig. shows the detail drawing of a flanged pipe joint. Assemble all the parts together and draw the front elevation top half in section. Assume all the necessary dimensions. Select a suitable scale.

Q.16 Explain in detail with the help of diagrams, the difference between tolerance, allowance, fits. Describe various types of fits with help of diagram. What do you mean by H7/g6

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Q.17 Draw the assemble front view half in section of the following foot step bearing?



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