DIPLOMA IN MECHANICAL ENGINEERING (DME)

ADVANCED LEVEL CERTIFICATE COURSE IN MECHANICAL ENGINEERING (DMEVI/ACMEVI)

Term-End Examination December, 2013

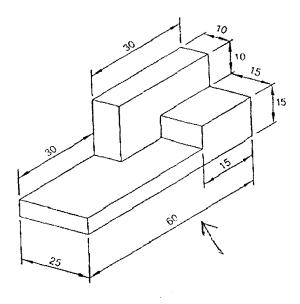
BME-034: MACHINE DRAWING

Time: 2 nours		ours
Note: Answer all questions.		
1.	Ans	wer any seven of the following questions.
	(a)	7x2=14 Name four types of thread profiles.
	(b)	What is meant by a stud?
	(c)	To prevent axial movement of a bush in an bush bearing is used.
	(d)	Sketch two types of keys used in couplings.
	(e)	Define pitch of a thread.
	(f)	If 'd' is diameter of an hexagonal headed bolt, then width of head of bolt across the flat sides is equal to

(g) Draw the possible front view for the plan of a machine part shown below.



- (h) Name two types of lines and their applications.
- (i) Sketch a broken out section.
- Figure below shows the isometric view of the object. Draw its front view, top view and side view.

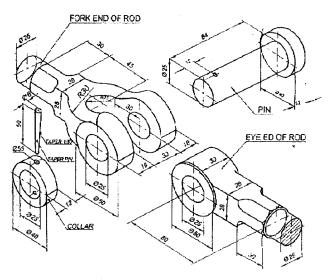


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3. Two 16mm thick plates are joined in zig-zag rivetted lap joint with following dimensions. Diameter of hole = 21mm, pitch = 63mm, back pitch = 50mm, margin = 31mm. Draw the sectional front view and top view of the joint.

OR

Draw the elevation and side view of assembled Knuckle Joints from five parts shown below.



PARTS OF A KNUCKLE JOINT