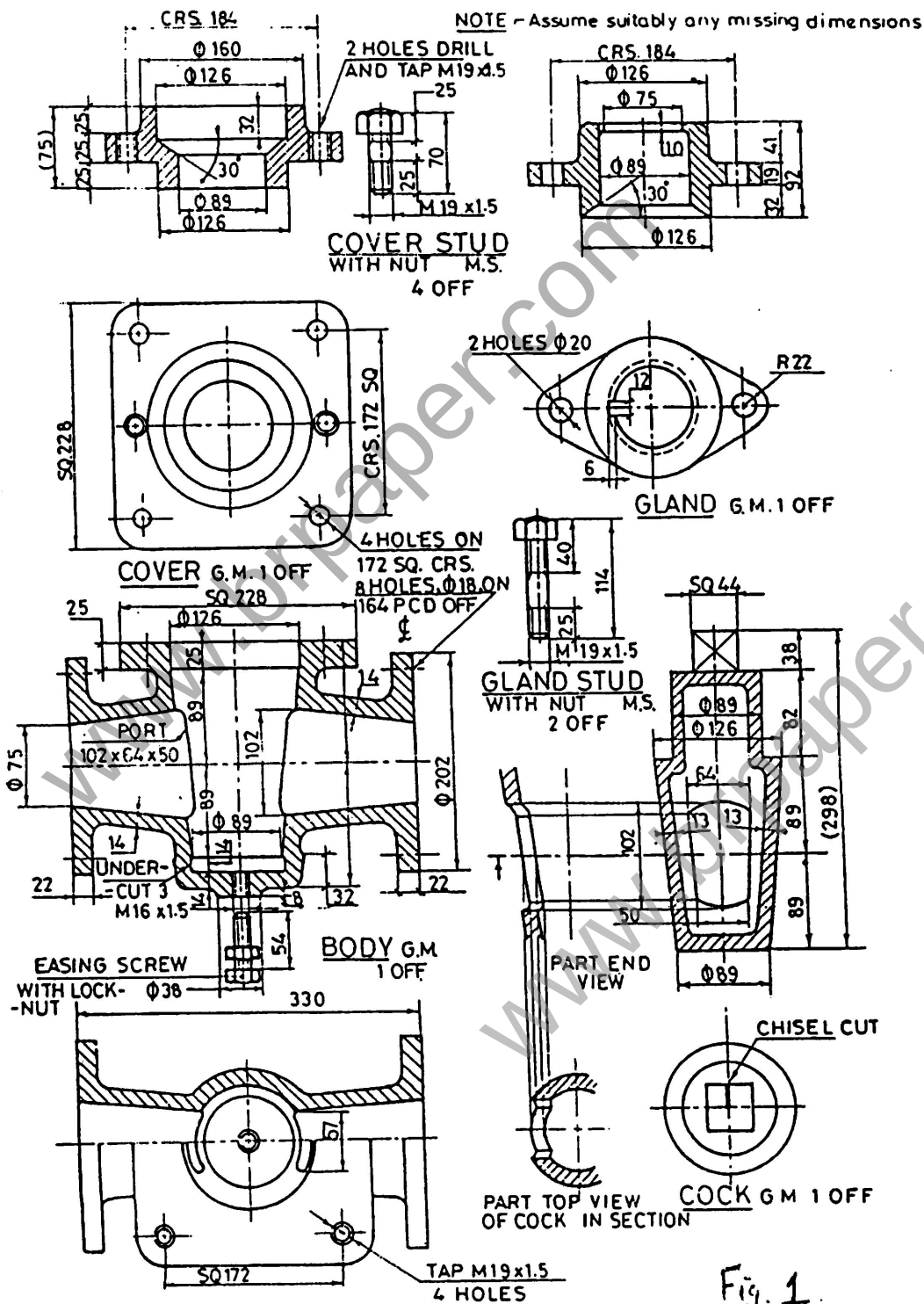
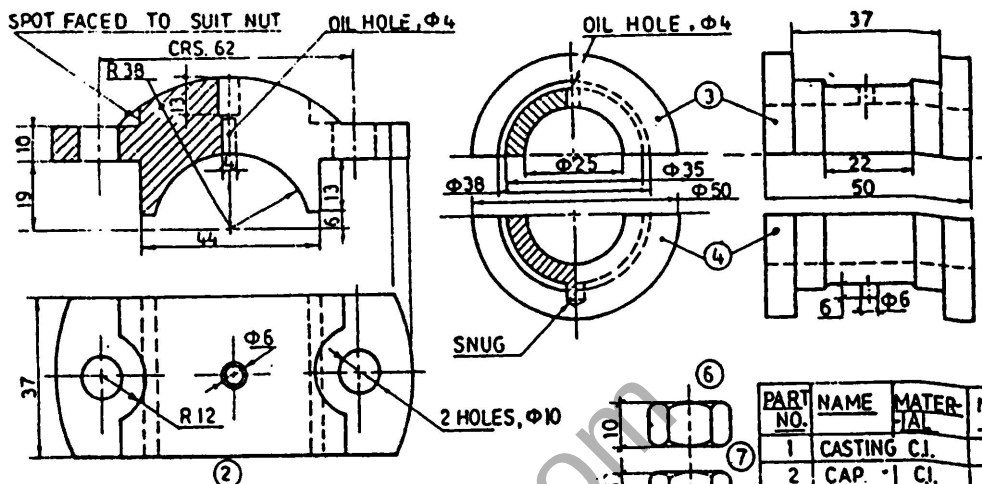


Name of Examination: B. Tech.**Year and Session: MAY, 2014****Subject: Machine Drawing****Paper No.: BTME 303****Time Allowed: 3 Hours****Maximum Marks: 60****NOTE:**

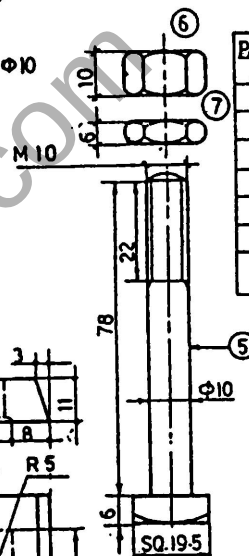
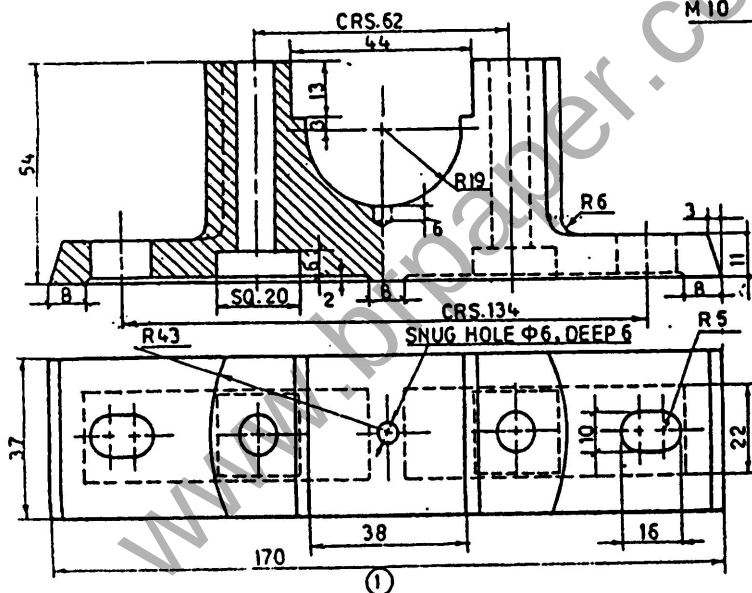
1. Section – A is compulsory.
2. Attempt any Four questions from Section – B and any Two questions from Section – C.

SECTION – A		
Q. No.1 (a)	Show the nomenclature of a screw thread.	02
(b)	What is a bill of a material? Give its format.	02
(c)	Name two head form of rivets.	02
(d)	What is advantage of providing bush in a bearing?	02
(e)	Why sectional views are used in drawing?	02
(f)	Classify various types of coupling.	02
(g)	Write the application of plumber block.	02
(h)	Differentiate between v-thread and square thread.	02
(i)	Define pitch and diagonal in case of a riveted joint.	02
(j)	Differentiate between allowance and tolerance.	02
SECTION – B		
Q.No. 2	Draw the BSW thread section to a scale full size and give all the standard proportion. Take pitch of the thread = 40 mm.	05
Q.No. 3	What is the function of bushed bearing? Draw the simple sketch of swivel bearing.	05
Q.No. 4	Draw the free hand sectional front view and side view of knuckle joint.	05
Q.No. 5	Sketch any two views of the following: a) Slotted nut b) Swan nut	05
Q.No. 6	Explain in detail the different types of dimensioning.	05
SECTION – C		
Q.No. 7	Draw the full sectional front view of a Blow off cock assembly as shown in Fig. 1	10
Q.No. 8	Part drawing of a plumber block is given in Fig. 2. Assemble them and draw the elevation left half in section, plan left half in section and left end view full in section.	10
Q.No. 9	From the details given in fig. 3. draw the following views of the assembly of a protected type flange coupling: a) Front view, lower half in section. b) End view, looking from left side	10





PART NO.	NAME	MATERIAL	NO. OFF
1	CASTING C.I.		1
2	CAP. C.I.		1
3	BRASS	G.M.	1
4	BRASS	G.M.	1
5	BOLT	M.S.	2
6	NUT	M.S.	2
7	LOCK NUT	MS	2



DETAILS OF A $\Phi 25$ PLUMMER
BLOCK OR PEDESTAL BEARING

Fig 2

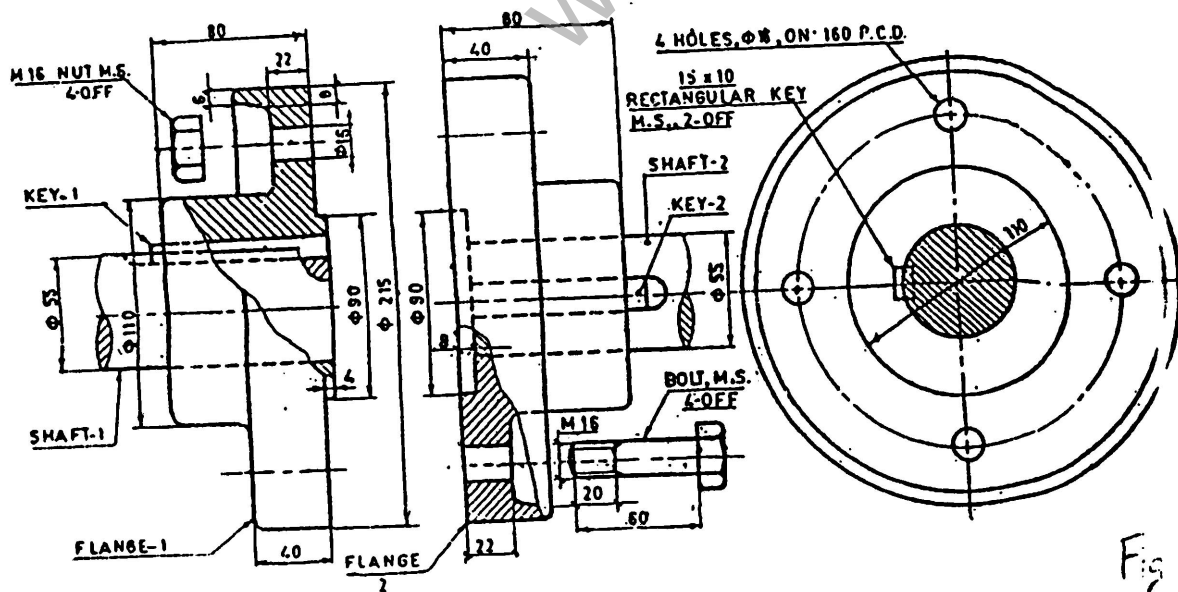


Fig 3