USN					



Internal Assessment Test 1 – Sept. 2018

G 1	COMPLETE	A IDED MAC		Assessment	1 est 1	-		D 1	145			
Sub:	COMPUTER A				50	Sub Code:	17ME36A	Branch:	ME	OBE		
Date:	11.09.2018	Duration:	90 min's	Max Marks:	50 mpuls	Sem / Sec:	3 (1	A&B)	ARKS	CO	RBT	
1 (a)	Answer two questions (2 nd question compulsory) A square pyramid of base side 45mm and axis length 70mm rests on its base on the HP in such a way that all of its base edges are equally inclined to VP. It is cut by a section plane perpendicular to VP, inclined at 45° to the HP and bisecting the axis. Draw its sectional top view, sectional side view and true shape of a section. OR						cut	[25]	CO1	L4		
(b)	A cylinder of	hase diame	eter 50mm a	nd height 70n	nm is	recting wi	th its hase on	ΗР				
	A section plar at 10mm in fr	ne inclined	at 50° to the	e VP and perp	endi	cular to the	HP cuts the	solid		CO1	L4	
	section.	ont of it. E	nuw its top	view, section	iui iiv	one view an	d due shape	or u	[25]			
2 (a)	(b) T	ront view	d	(by assuming	-		y at centre)	30	[25]	CO2	L4	





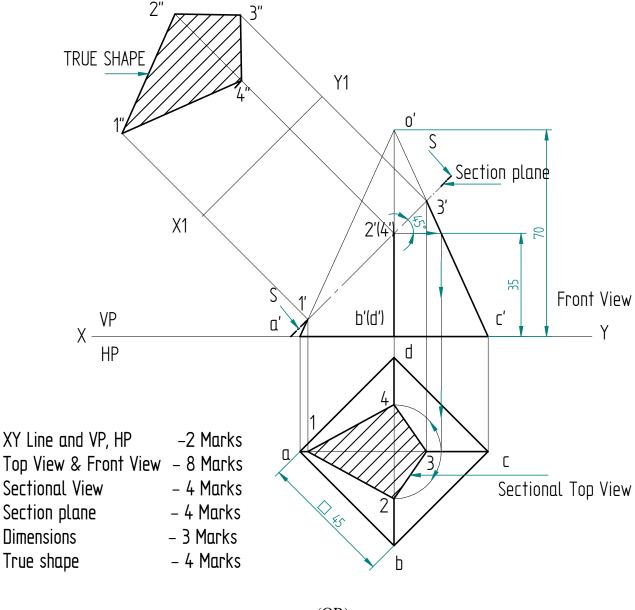
Internal Assessment Test I –Sep. 2018

Sub:	Computer Aide	Computer Aided Machine Drawing					17ME36A	Branch:	MEC	H.
Date:	11/09/2018	Duration:	90 min's	Max Marks:	50	Sem / Sec:	3 (A&B)			

Scheme & Solution

1.(a) A square pyramid of base side 45mm and axis length 70mm rests on its base on the HP in such a way that all of its base edges are equally inclined to VP. It is cut by a section plane perpendicular to VP, inclined at 45° to the HP and bisecting the axis. Draw its sectional top view, sectional side view and true shape of a section
 25 Marks

Solu.



(b) A cylinder of base diameter 50mm and height 70mm is resting with its base on HP. A section plane inclined at 50° to the VP and perpendicular to the HP cuts the solid at 10mm in front of it. Draw its top view, sectional front view and true shape of a section.

25 Marks

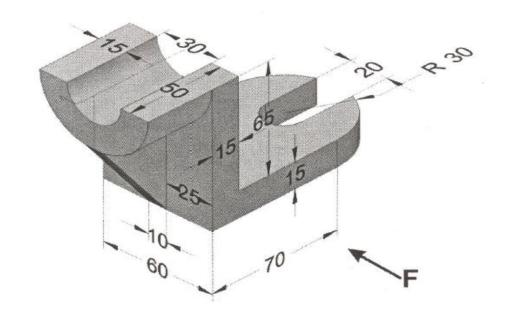
Solu. α΄ b'(d')3' 1' Ľ Sectional Front View Front View c1' TRUE SHAPE Υ (d1) 上 4" Y1 Section plane (1(2)20 $C(C_{1})$ a(a1) XY Line and VP, HP -2 Marks Top View 3(4)

b(b1)_A

Top View & Front View - 8 Marks
Sectional View - 4 Marks
Section plane - 4 Marks
Dimensions - 3 Marks
True shape - 4 Marks

- 2.(a)Draw the following views for the given machine component.
 - (a) Front view
 - (b) Top view and
 - (c) Sectional left side view (by assuming its cutting exactly at centre)

25 Marks



Solu.

