Jharkhand University of Technology, Ranchi

1st Semester Diploma Examination, 2022

Subject: Engg. Graphics-I	Subject Code: 105
Time Allowed: 4 Hours	Full Marks: 40
	Pass Marks: 13
Answ	ver in your own words.
	in which Question No. 1 is compulsory and ny four from rest question.
All ques	stions carry equal marks.
1. Multiple choice questions:	1×8=8
(i) Which of the following represe	
(a) 1:1	(b) 1:2
(c) 2:1	(d) 10:1
(ii) Representative fraction (RF) is	defined as
"들어 그렇게 싫어 그는 그리아의 근처하는 그는 그로부터 사용하다 보다면 그는 내일이 하는 그렇게 하는 것이다. 그리아 그는 그리아는 그리아 그 아니다고 아버지다.	drawing / actual length of the object
(b) actual length of the object	
	drawing / isometric length of object
(iii) The principal views associated	with orthographic projection are
(a) Front view	(b) Right side view
(c) Top view	—(d) All of these
(iv) When a line is parallel to a plangth.	plane, the projection of the line on to that plane will be its
(a) shortened	(b) true
(c) enlarged	(d) point
(v) A straight line is the	distance between two points.
(a) shortest	(b) longest
(c) half	(d) infinite
(vi) A plane surface has	dimension(s).
(a) one	(b) two
(c) three	(d) no dimension
보고 보고 있는데 그는 사람들이 살고 있는데 가장 사람들이 되는데 그는 것이 없었다.	

(vii) A regular hexagonal lamina has	
(a) equal sides	(b) equal angles
(c) Both (a) and (b)	(d) None of these
(viii) A solid has	
(a) zero dimension	(b) one dimension
(c) two dimensions	(d) three dimensions
2. (a) Write in single stroke capital letters statement.	in the ratio 6:5 with height of 25mm, the following
'Honesty i	s the best policy.'
(b) Compare first angle and third angle p	
	Or,
of 45° with H.P	nm and height 55mm rest on one at its base edges in HP raw the projection of solid when its base makes an angle 8 ow metre, decimetre and centimetre and long enough to
measure upto 6 metres. Also indicate on th	is scale a distance of 4m 5dm and 4.54m
5. (a) A point B is 30mm in front of V.P. and	nd the minor axis 80mm long. Draw the ellipse by 'arc of 8 and 20mm above H.P. Draw the projections of the point. 2
The end B is 40mm observed to The	A 20mm above the H.P. and 25mm in front of the V.P.
AB and show its inclinations with the	and 65mm in front of the VD December
6. A right circular cone of 60mm base diam It is cut by the section plane incline at 45 axis of cone. Draw	neter and axis 80mm long resting on its base on the H.P. 5 degree to H.P. and perpendicular to V.P., bisecting the
(i) Front view,	
(ii) Sectional top view,	
(iii) True shape of section,	
(iv) Development of lateral surfaces	
7. Draw the projections of a cube 25mm way that the base makes an angle of 45 inclined to the V.P.	then it is resting on one of its corners of base in such a 5° with H.P. and the vertical edges of the cube equally

Jharkhand University of Technology, Ranchi

1st Semester Diploma Examination, 2022

Subject: Engg. Graphics-I	Subject Code: 105
Time Allowed: 4 Hours	Full Marks: 40
	Pass Marks: 13
Answer any five questions in w	your own words. hich Question No. 1 is compulsory and ur from rest question.
All questions	carry equal marks.
1. Multiple choice questions:	1×8=8
(i) Which of the following represents re	ducing scale?
(a) 1:1	(b) 1:2
(c) 2:1	(d) 10:1
(ii) Representative fraction (RF) is defin	ed as
(a) length of an object in the drawi	
(b) actual length of the object / len	
(c) length of an object in the drawi	
(iii) The principal views associated with	orthographic projection are
(a) Front view	(b) Right side view
(c) Top view	(d) All of these
(iv) When a line is parallel to a plane. length.	the projection of the line on to that plane will be its
(a) shortened	(b) true
(c) enlarged	(d) point
(v) A straight line is the distant	nce between two points
(a) shortest	(b) longest
(c) half	(d) infinite
(vi) A plane surface has dimer	sion(s).
(a) one	(b) two

(c) three

(d) no dimension