



# 1<sup>ST</sup> Semester Examination –2021-22

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	Subject : ENGIN Course : B.TECH	EERING GRAPHICS	& DESIG	Roll No	In 3 <sup>rd</sup> angle projection me
	Full Marks : 70			Time	: 3 Hours.
	Instructions to the C				
•	<ul> <li>Read the question paper</li> <li>Candidates are required</li> <li>Question Paper is divide</li> <li>Part-A is containing 12 m</li> <li>Part B containing SIX of Part C containing FOUR</li> <li>Do not write anything extended anything extended anything extended anything with Co-Stupapers.</li> </ul>	to give their and dinto Three Part dinto	rts –A, B & C. questions. which FOUR questions of which TWO questions No. on the question paper and of Written Material	are to be answers are to be answers.  I. Arguments w	red. ered.
			PART A		
	MULTIPLE CHOICE QUE	STIONS	n non <del>sujene pign</del> a bi <sub>sersett kallen si sentre</sub>		(12x1=12)
	1.Two types of single stroke l a) vertical c) Vertical ,Inclined	etters are			€ Draw the TITLE BOX 5. White is placing of dim
	2. what is the dimension of A a) 210x297 c)297x420	4 (trimmed) si	ze in mm? b) 297x210 d) None of these		
	<ul><li>4. Dimension placed in aligne</li><li>a) Above &amp; Mid dime</li><li>c) Middle of dimension</li></ul>	nsion line	b) Below dimension d) None of these	n line	
	5. What is the ratio of small letter and for Numbers a) 4:7 b)7:4 c) Both A&B d) None of these				
	6. Dimension placed in Unidin a) Above &Mid dimension of Middle of dimension	ension line	m b) Below dimension d) None of these	on line	
	7. In first angle projection met a) Object, observer,	plane	_view is always b) Plane, object, ob		view .

b) 1:2

d) 10:1

8. Which of the following represent reducing scale?

a) 1:1

c) 2:1

9. Types of dimension required in drawing a) Aligned system c) Both of the above	g? b) Unidirectional system d) None of the above		
<ul><li>10. The following is not included in title b</li><li>a) Sheet No</li><li>c) Method of Projection</li></ul>	lock of drawing sheet. b) Scale d) Size of sheet	ome8 <sup>77</sup> t	
11. In 3 <sup>rd</sup> angle projection method the a) Object, observer, plane c) Top, above, front	view is alwaysthe_ b) Plane, object, observer d) none of the above	view	
12. Hatching lines are drawn at degree a) 30 c) 60	to reference line b) 45 d) 90		amoltourité paup aut ho sur establica sursi et l'en- sursi et l'en-

### PART E

## ANSWER ANY FOUR OUT OF SIX

(4x7=28)

- 1. Construct a scale of 1:5 to show decimeters, centimeters and read up to 1 meter. Show the length of 7.6 decimeters on it
- 2. What is difference between 1st and 3rd angle projection method and draw its symbol.
- 3. Define engineering drawing. Why drawing is called the universal language of engineers?
- **4.** Draw the TITLE BOX and list out content of title box ?
- 5. What is placing of dimensions explain i) Aligned system ii) Unidirectional system.
- **6.** Construct a diagonal scale of R.F. =1/32 showing yards, feet and inches and measure up to 4 yards. Show the length 2 yards, 2 feet and 6 inches on it.

### PART C

## ANSWER ANY TWO OUT OF FOUR

(15x2=30)

- 1. Write down the ABCDE in single stroke vertical letter using proper ratio.
- 2. Construct a diagonal scale of R.F. =1/4000 to show meters and long enough to measure up to 500 meters and show the length 350 meters on it .
- 3. Draw the projection of AB=40mm long straight line in the following positions:
- a.) Parallel to both the H.P. and V.P. And 25 mm from each.
- b.)Parallel to both the planes and 30 mm above the hip. And 20 mm in front of vs.
- c.) line perpendicular to the H.P. 20 mm in front of V.P. and in the H.P.
- d.) Line perpendicular to the V.P. 30 mm above the H.P. and in the V.P.
- **4.** A hexagonal pyramid side of base 25 mm and axis 50 mm long resting on an edge of its base on the H.P. with its axis inclined at 30 degree to H.P. and parallel to V.P. Draw its Projections