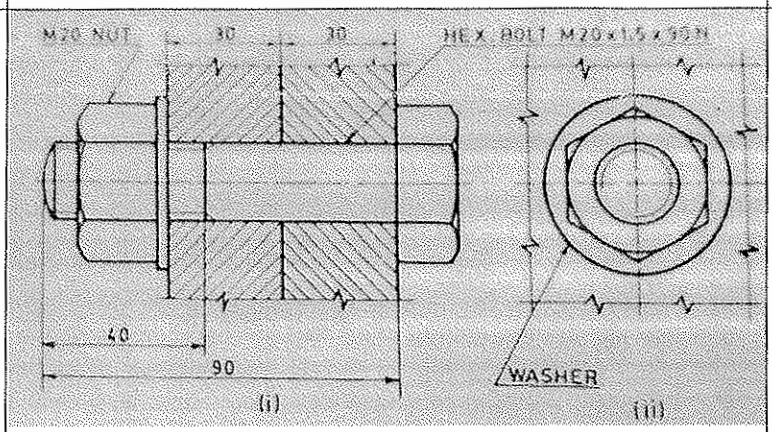
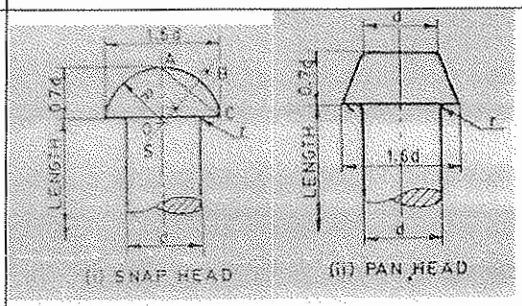
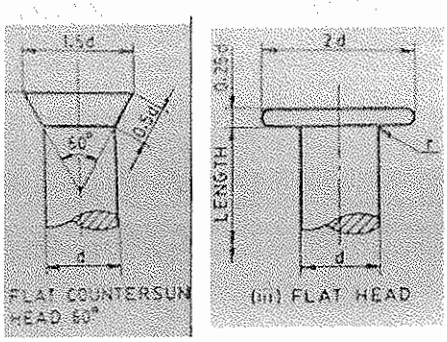
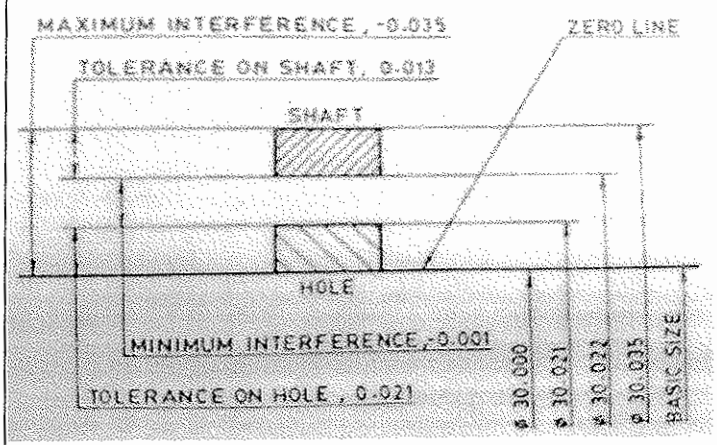
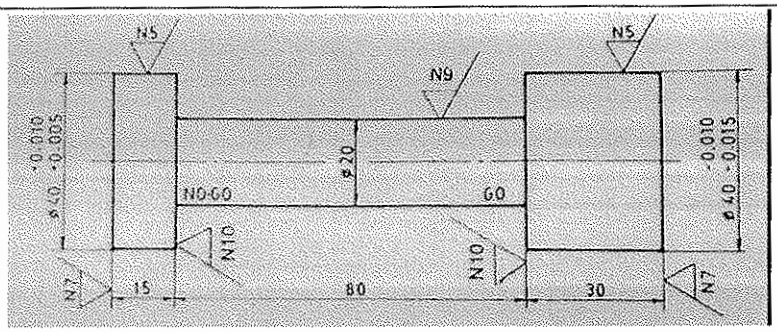
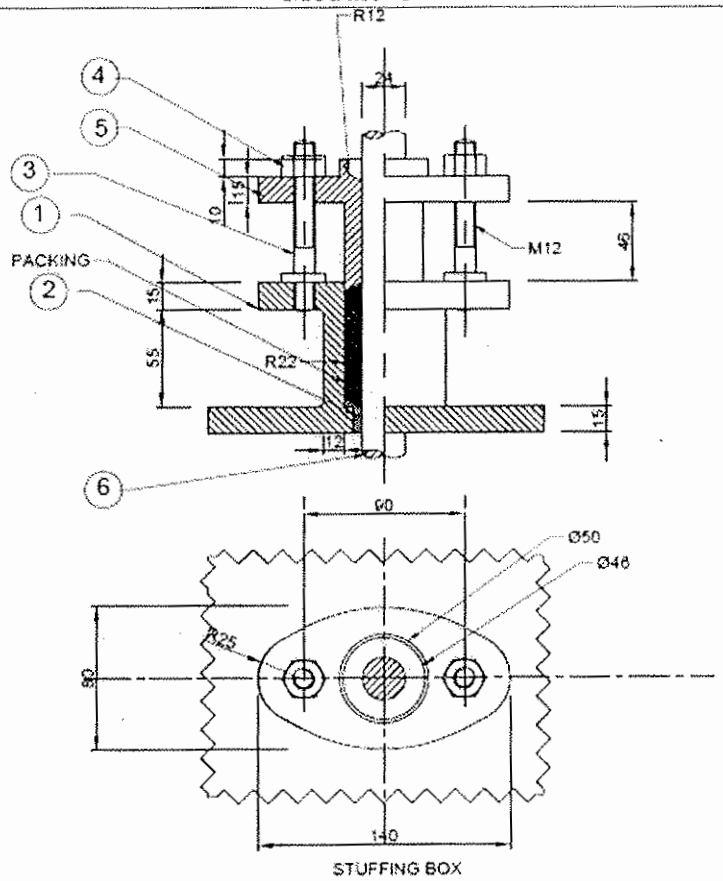
Scoring Indicators

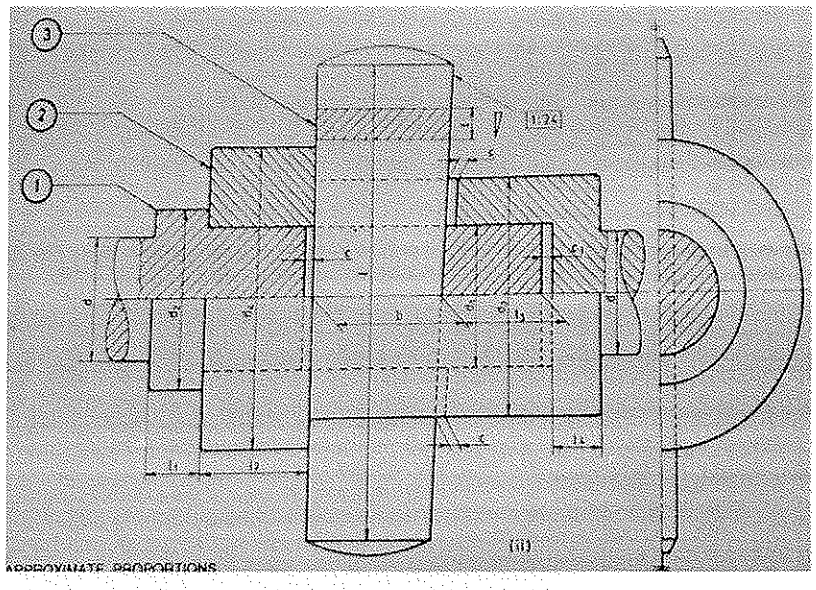
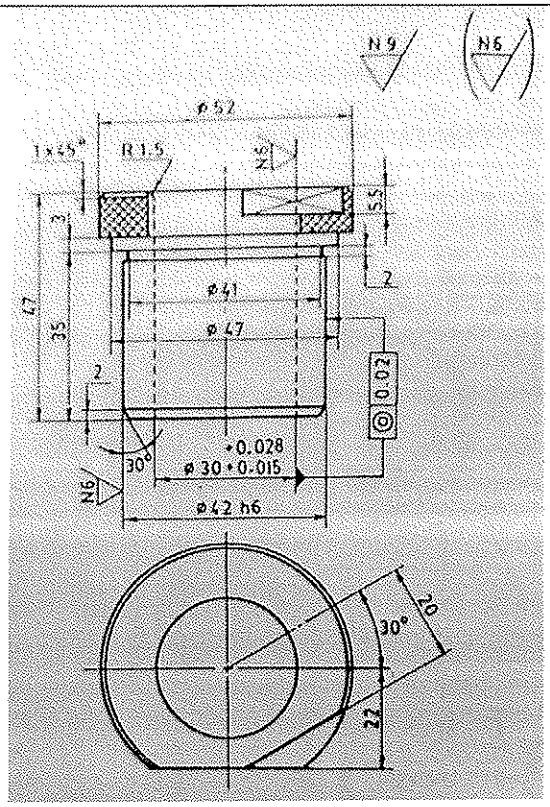
COURSE NAME : MACHINE DRAWING

COURSE CODE : 3025 **QID: 2110220181**

Q No	Scoring Indicators	Split score	Sub Total	Total score
	Module-1			**15**
1				
	Sectional front view	7		
	Side view	5	15	
	Dimensioning	3		
2				
				
	Snaphead	3		
	Pan head	3		
	Flat countersunk head	3	15	
	Flat head	3		
	Dimensioning	3		

	Module-2			
1	***LIMITS*** **Minimum limit of the hole = Ø30 mm**	1		
	Maximum limit of the hole = Ø30 + 0.021 = Ø 30.021mm	1		
	Minimum interference = Max.limit of hole -Min.limit of the shaft -0.001 = 30.021-(minimum limit of shaft)			
	Min.limit of shaft = 30.021+.001 =30.022mm	2		
	Max.limit of shaft = Ø 30.022+tolerance = Ø 30.035mm	2		
	Check Total tolerance = 0 .021+.013 = **0.034mm**	1		
	Maximum interfernce = (Min.limit of the hole - Maximum Limit of shaft) = 30-30.035 = **-0.035mm**	1		
	Difference in interfernce = (Max.interfernce- Minimum Interfernce) = -0.035 –(-0.001) = **-0.034mm**	1		
	Total tolerance = Difference in interfernce *(numerically)*	2		
	Representation  	4	15	

2				
	Identification of grades (1 mark each)	7		
	Drawing	3	15	
	Dimensioning	2		
	Alignment of indications	3		
	Module- 3			**30**
I	 STUFFING BOX			
	ITEM LIST Item | Description | Qty | Material 1 | Body | 1 | C. I. 2 | Gland bush | 1 | Brass 3 | Stud | 2 | M. S. 4 | Nut | 2 | M. S. 5 | Gland | 1 | C. I. 6 | Piston rod | 1 | Steel			
	Front view	15		
	Top view	7	30	
	Item list	5		
	Dimensioning	3		

2	 ITEM LIST Item | Description | Qty | Material 1 | Spigot | 1 | M S 2 | Socket | 1 | M S 3 | Cotter | 1 | M S	Front view 15 Side view 7 Item list 5 Dimensioning 3	30	
	Module -4			**15**
1	 	Drawing 3 Dimensioning 2 Tolerance frame & Grade indication 5 Surface roughness indication 5	15	

2	A 4 x0.3 A represents TYPE A relief grove 4 represents the width of the relief groove 0.3 represents the depth of the relief groove Dimensional tolerances Ø55 k6 means $Ø55^{+0.021}_{+0.002} mm$ Ø75h6 means $Ø75^{0}_{-0.019}$mm Ø65 n6 means $Ø65^{+0.039}_{+0.020}$ mm Ø20p7 means $Ø20^{-0.014}_{-0.035}$ mm Geometrical tolerance a.Tolrance frame containing // represents parallelism. Tolerance surface contained in a cylindrical zone of Ø.03mm Parallel to the datum line b. Tolerance frame containing ◎ represents co axiality axis of the cylinder to which the tolerance feature is connected shall be contained in a cylindrical zone Ø0.03 co axial with the datum axis c. Tolerance frame containing ⊥ represents perpendicularity Indicated end faces shall be contained in two parallel plnes at a Distance of 0.03mm apartand perpendicular to the axis of Cylinder to which the datum triangle is connected	2 1 1 2 2 2 2 1 1 1	15	

Decision taken by the JCTE Office on 01.01.2025 based on the complaints received from the students of various Polytechnic Colleges in connection with the Question papers of Diploma Examination November 2024 and recommendations of expert committee.

1.Subject Code :-3025

R (21)	3025 Machine Drawing	An ambiguity occured in Part A Questions, ie answer any one of the questions instead of any two	15 marks each

Decision:-

* If the students have attended two questions , I(1) or I(2) and I(3) or I(4) from Part A, then value the two answers.

* If the students have attended only one question from Part A,

(a) The marks secured will be considered as out of 60

(b) The Percentage of marks secured out of 60 shall be calculated and the same percentage of marks out of 15 shall also be added to the marks secured to arrive at the actual marks admissible out of 75.

2. Subject Code :-3341

R(21)	3341 Discrete Mathematics	Part A -6,7,8,9 Part B-6,7,8,10 Part C- IX,X,XI,XII	1 Mark each 3 Marks each 7 Marks each

Decision:-

* Questions 6,7,8 & 9 of Part A , 6,7,8 & 10 of Part B and IX,X,XI and XII of Part C are cancelled.

Value the remaining questions.

* Part B -Consider the marks of 4 highest scored questions out of remaining 6 questions.

* The marks secured will be considered as out of 45

* The percentage of marks secured out of 45 shall be calculated and the same percentage of marks out of 30 shall also be added to the marks secured to arrive at the actual marks admissible out of 75.

3. **Subject Code :-3043**

R(21)	3043 Electronic Circuits	Part B -3,9	3 Marks each

Decision:-

Part B

* Question No: 3 and 9 are cancelled

* Consider the marks of 6 highest scored questions out of remaining 8 questions

* Marks secured will be considered as out of 69

* The percentage of marks secured out of 69 shall be calculated and the same percentage of marks out of 6 shall also be added to the marks secured to arrive at the actual marks admissible out of 75.

V.V Ray
Joint Controller

Joint Controller of Technical Examinations