

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109 DEPARTMENT OF MECHANICAL ENGINEERING

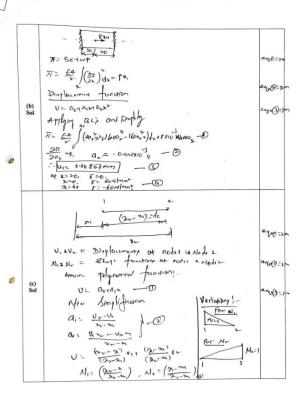
I SESSIONAL TEST SCHEME & SOLUTION 2022 – 23 EVEN SEMESTER SET-B

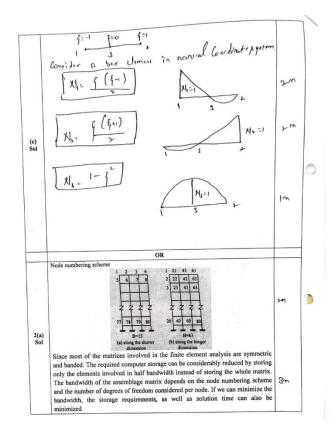
	1 1	1 1		1 1		- 1
HISN		 1 1	- 1	1 1	- 1	- 1

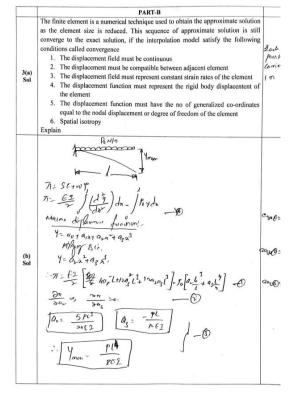
Degree : B. E
Branch : Mechanical Engineering
Course Title : Finite Element Method
Duration : 90 Minutes

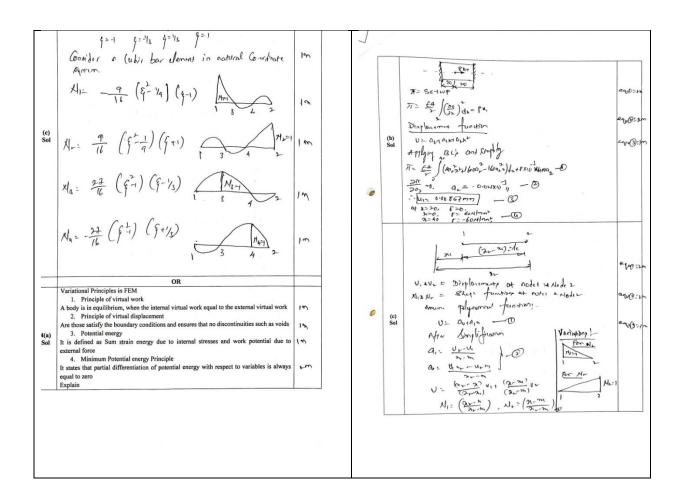
Note: Answer ONE full question from each part

	Q. No.	Questions with Scheme & Solution	Marks				
0		PART-A					
	1(a) Sol	Discretization Process Dividing the continuum into number of elements is called Discretization, This is cquivalent to replacing the domain having an infinite number of degrees of freedom by a system having finite number of degrees of freedom the basic requirements during Discretization are a) Type of elements b) Size of elements c) Location of nodes d) Number of element e) Node numbering scheme f) Automatic mesh generation Explain	9.00 - 2.00 db.11.				
0	(b) Sol	1.6 F. 1 1 1 52 0 - 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	& 40 = 30 * 40 = 30				









Sample CIE Scheme & Solution