courses » Matrix Solvers		Announcements	Course	Ask a Question	Progress	Mentor	FAQ
Jnit 1 - How to	o acces	s the porta	l				
Course outline	Assign	ment 0					
How to access the portal		or submitting this assi ords you have not sub			ue on 2018	-07-31, 23	:59 IST.
How to access the home page?	1) Two coplana	r vectors are denoted by	ai+bjand	ci+dj. Then $detiggl[det circle det iggr] det circle det iggr] det circle det iggr] det circle det cir$	$\begin{bmatrix} a & b \\ c & d \end{bmatrix} =$		1 poir
How to access the course page?		of the triangle made by		L	1		
Move to access the MCQ, MSQ and Programming assignments?	b) area	of parallelogram made b a and b					
Quiz : Assignment	No, the answ	e of the above er is incorrect.					
Week 1 : Unit 1	Score: 0 Accepted Ans	swers:					
Week 2 : Unit 2	-	allelogram made by the v	rectors				
Week 3 : Unit 3	2) A and B are	two square matrices of s	same dimensio	on then which one of the	e following hold	ds true?	1 poi
Week 4 : unit 4	🔍 a) A-B						
Week 5 : unit 5	🔍 b) AB=	BA					
Week 6 : unit 6	c) $\left(AB\right)^{T}$ =	$= A^T B^T$					
Week 7 : Unit 7	$(A D)^{-1}$	$=B^{-1}A^{-1}$					
Week 8 : Unit 8		= B - A					
	Score: 0						
Week 9 : Unit 9	Accepted Ansi d) $(AB)^{-1} =$						
Week 10 : Unit 10		rix A_{mn} which of the follo	owing holds tr	ue?			1 poii
Week 11	🔘 a) Row	rank of A = column rank	c of A				
Week 12	b) Row	rank of A ≠ column rank	of A				
Download Videos	-	$x A \le Max(m, n)$					
Assignment Solution		k A ≥ Min(m, n) er is incorrect.					
Interactive Session with Students	Score: 0 Accepted Ans						
	© 2014 N	NPTEL - Privacy & Terms	Hopor Codo	E4Oc			

Funded by

Powered by

Government of India Ministry of Human Resource Develop	b) Infinite solution						
Ministry of Human Resource Develop	C) Unique solution						
	d) None of the above						
	No, the answer is incorrect.						
	Score: 0						
	Accepted Answers: c) Unique solution						
	5) For the following matrix find the determinant when $\theta = 45^{\circ}$ $\begin{bmatrix} 1 & \sin\theta & \sin^2\theta \\ 1 & \cos\theta & \cos^2\theta \\ 1 & 2 & 4 \end{bmatrix}$	1 point					
	 a) 1 b) 2 c) 0.5 d) 0 						
	No, the answer is incorrect.						
	Score: 0						
	Accepted Answers: d) 0						
	6) Consider the system of equations given be the two straight lines L1 and L2. Find which option is true						
	L1 L2 L1						
	12	11,12					
	(a) (b)	(c)					
	\bigcirc a) a - no solution, b – unique solution, c – infinitely many solution						
	\bigcirc b) b - no solution, a – unique solution, c – infinitely many solution						
	\bigcirc c) a - no solution, c – unique solution, b – infinitely many solution						
	d) c - no solution, b – unique solution, a – infinitely many solution						
	No, the answer is incorrect.						
	Score: 0 Accepted Answers:						
	a) a - no solution, $b -$ unique solution, $c -$ infinitely many solution						
	$^{7)}$ 7) The inverse of matrix $A=\left[egin{array}{cc} sin heta\ -cos heta\ sin heta\end{array} ight]$ is	1 point					
	• a) A						
	b) A^T						
	• c) -A						
	 d) None of the above 						
	No, the answer is incorrect.						
	Score: 0						
	Accepted Answers:						
	b) A^T	1 paint					
	8) A matrix equation $Ax=0$, $x eq 0$ implies that	1 point					

 \bigcirc a) A is symmetric matrix \bigcirc b) \boldsymbol{A} has at least one zero eigenvalue \bigcirc c)x is a complex number vector \bigcirc d) A is positive definite No, the answer is incorrect. Score: 0 Accepted Answers: b) A has at least one zero eigenvalue 9) An iterative method is used for solution of $Ax = b, x^{(k)}$ is the updated value of solution vector 1 point at k-th iteration . Then the residual $b-Ax^{(k)}$ must a) be zero at the first iteration \bigcirc b) converge to zero for positive initial guess x^{0} \bigcirc c) converge to zero for higher values of k for any initial guess x^0 d) none of the above No, the answer is incorrect. Score: 0 Accepted Answers: c) converge to zero for higher values of k for any initial guess x^{0} 10) If Ax = b, where $A = \begin{bmatrix} sin\theta & cos\theta \\ -cos\theta & sin\theta \end{bmatrix}$ and $b = \begin{bmatrix} 1 \\ 0 \end{bmatrix}$ then x is 1 point \bigcirc a) $x = \begin{bmatrix} 1 & 0 \end{bmatrix}^T$ b) $x = [sin heta \ cos heta]^T$ \bigcirc c) $x = \begin{bmatrix} 0 & 1 \end{bmatrix}^T$ \bigcirc d) $x = \begin{bmatrix} cos heta & sin heta \end{bmatrix}^T$ No, the answer is incorrect. Score: 0 Accepted Answers: b) $x = [sin\theta \ cos \theta]^T$

Previous Page

End