on 2019-08-21, 23:59 IST.

1 point



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NPTEL » Discrete Mathematics (IITG)



Announcements

About the Course

Ask a Question

Progress Mentor

Unit 3 - Week 2: Mathematical Logic

ourse outline	Assignment 2	
v to access the portal	The due date for submitting this assignment has passed.	Due on 20
ek 1: Mathematical Logic	As per our records you have not submitted this assignment.	Due on 20
k 2: Mathematical Logic	1) If the domain is the set of words {violet, indigo, blue, green, yellow, orange, red}, which of the follo	wing sentences is/are tru
Lec 1: First Order Logic: Introduction (Cont'd)	(P) $\forall x$ (if x does not contain the letter 'e', then x contains the letter 'n') (Q) $\exists x$ (if x contains the letter 'e', then x contains at most 4 letters)	
ec 2: Proof System for	(R) $\forall x$ (if x contains more than 5 letters, then x contains the letter 'o')	
ec 3: First Order Logic: wffs, aterpretations, models	○ all of P, Q, R ○ only P and R ○ only Q and R	
Quiz : Assignment 2	Only Q and R	
Feedback form	No, the answer is incorrect. Score: 0	
ek 3: Mathematical Logic Set Theory	Accepted Answers: all of P, Q, R	
k 4: Graph Theory	2) Q2. If the domain is the set of integers, then which of the following is/are true?	
k 5: Graph Theory-II	$(P)\forall n(n+1) > n \ (Q) \ \exists n(n=2n)$ $(R) \ \forall n(n \neq -n) \ (S) \ \forall n(n^2 \geq n)$	
6: Set Theory & Number	○ all of P, Q, R and S ○ only P, Q and S ○ only P, Q and R	
k 7: Set Theory & Number	Only P Only P No, the answer is incorrect.	
k 8: Combinatorics	Score: 0 Accepted Answers:	
k 9: Combinatorics	only P, Q and S	
Session-1	3) Which of the following are logical consequences of $\{(\alpha \to \neg \beta), \beta, (\neg \gamma \to \alpha)\}$?	
k 10: Number Theory	$(\alpha \to \neg \beta)$	
Session-2	$\neg \beta$	
k 11: Algebra	γ	
ek 12: Algebra-II	α No, the answer is incorrect.	
	Score: 0	
	Accepted Answers: γ	

