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If you want to learn computer programming then contact with me

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MTH001 MID TERM PAPER SHARED BY STUDENT

on June 10, 2014 at 3:47pm

According to Demorgan's law

~ (p Ù q) º

~ p Ù q

~ p Ù ~ q

~ p Ú ~ q

p Ù ~ q

An argument is invalid if the conclusion is false when all the premises are .....



False

True

If is a subset of universal set U, then

f

A

U

For the two sets A and B, A Ç B is a ---------of A.

Super set

Subset

Complement set

If A and B are two sets such that A Ç B= A È B then .....

A and B are disjoint sets

A and B are super sets

A and B are equal sets

Order of elements in a set does not matter

True



False

If A = {1, 2 , 3} and B = {{1 ,2},3} then A - B = ……..

{3 }

{ }

{1, 2, 3 , {1 ,2}}

{1 , 2}

Which of the relation defines a function from X = {2,4,5} to Y={1,2,4,6}.

R1 = {(2,4), (4,1)}

R2 = {(2,4), (4,1), (4,2), (5,6)}

R3 = {(2,4), (4,1), (5,6)}

R1 and R2

R1

R3

R2 and R3



If a relation is given by R = {(0,1),(1,2),(3,4)}then Range of R is

{0,1,3}

{1,2,3}

{2,3,4}

{1,2,4}

If R and S are reflexive then R Ç S is .....

Reflexive

Transitive

Symmetric

Suppose A is a set with m elements and B is a set with n elements.

How many functions are there from A to B?

M.n

.n m

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on June 10, 2014 at 3:48pm

Question = Write an Excel syntax to add 60, 33, 6, 2, 91, 57 and divide the sum by 6.



Question =The price of an item is increased from $ 8.00 to $10.00. What percent of the original price is increased?

Question=A relation R on the set of Natural numbers N is defined as:

For all , a R b iff is odd.

Show that R is symmetric.

Question =

If

Initial value = 120

Final Value = 200

Increase = 80

Then the Percentage change.....

30%

22.5%

40%



66.67%=Answer

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MTH001 Spring Midterm 2013

1.If P and Q are proposition, P is statement “you study” Q is statement “you pass in exam”then ~P~Q is

A

B:if you do not study and you do not pass in the exam

C

D

2. If P and Q are proposition, P is statement “you study” Q is statement “you pass in exam”then P^Q is

A

B

C: you study and you pass the exam

D

3.if A∩B is emty set then

A.

B.disjont

C.dis similar

4.if set A is {(1,3)(3,2)(4,5)}



A:set is not symmetric because (3,1) does not belong A

B: set is symmetric because (3,1) does not belong A

5. Which one of the following sets is finite?

► set of real numbers

► set of even numbers

► **{xxz ^ 0 ≤ x ≤ 12}**

► **{xxIR ^X≥ 12}**

6. Let R be a relation on a set A. R is reflexive if, and only if,

A for all a ∈ A,(a, a) ∈R

B a ∈ A,(a, a) ∈R

C for all a ∈ A,(a, a) ∈|R

7. the set a is R4={(1,3),(2,4), (3,1), (4,3)}



A irreflexive

B symmetric

C anti-symmetric

8. The order in ser is not matter

A: True

B: False

9.if (statement) then (statement) is conditional statement

A: True

B:False

10:I shall select the president if and only if (statement) is a statement ……

A: Conditional

B: Biconditional

19. The nth term of an A. P (Arithmetic Progression) is:

► **a + (n - 1) d**



► **a - (n - 1) d**

► **a - (n - 1) d**

► **a + (n + 1) d**

20.The nth term of an G. P (Geometric Progression) is:

► **ar^{n-1}**

► ar^{n+1}

► ra^{n-1}

► ra^{n+1}

-

21.if the set x={1,2,3,4}and y ={5,6,7} then

R={(1,6)(2,5)(4,7)} is function? Markes 2

22.If A={b,c,d,f,g,h,j,k,l,m,n,p,q,r,s,t,v,w,x,y,z} and B={a,e,i,o,u}



Then find (AUB)UB and (AUA)∩B? markes 2

23.If f(x)=4x2-1 then function is well define? markes 3

24.Some logic statement to convert in symbolic form? Markes 3

25.If ***p*** = "Zia is healthy"

q = "Zia is wealthy"

r = "Zia is wise"

then convert it in English form (p^q)v(qv~r) markes5

26. find the 25th term of arthritic progression if Markes 5

37,27,17,7,-3…

MTH001 MID TERM PAPER SHARED BY STUDENT

ON JUNE 1, 2013 AT 4:42PM

Ok Guys here is few updates about the paper which i delivering you..

I just started my exam preparation just before 16 hours...



Remember I was starting it from scratch YES from Zero.

Well i was just able clear my concepts in relation to Logic's,sets & Sequence due to lack of time i can't go over through Functions concepts...

I was just able to complete my 1-7 & 13 chapter so with these 8 chapters I was hopeful for my exam success

Well My all paper is set from 35% Logic, 35% Sets, 10% sequence, 20% Functions

I just complete my 80% paper and and check it again and correct it again in rechecking.

After that I estimated that I can pass my exam of MTH 001

I just laugh at a question like this

If p = “Zia is healthy”

q = “Zia is wealthy”



then convert it in English form p ^ q

And this question is worth marks 5 I was so excited to answer it.

Any how paper was so easy guys.

Again I told you don't ever lose hopes in your life.

Try to conquer your fear of losing hopes, Try to win every step in your life.

I am not a leader/topper but i want to create motivation for those who are losing hopes due to continues tensions/fear of exams.

Stay Blessed and have a great success for your MTH 001 EXAMS