Rayat Shikshan Sanstha's

#### D. P. Bhosale College, Koregaon

### **Department of Mathematics**

#### Notice

Date - 01 / 08 / 2019

All the Students of B.Sc. III are here by informed that the Department of Mathematics has organized the Online Test of **Differential Equation** on 4<sup>th</sup> August, 2019. Link for the quiz will be sent in Whats-app group. All the Students should attend the Test.



Aclunkhe

Head Department of Mathematics D. P. Bhosale College, Koregaon

# ONLINE TEST -B.Sc III (Mathematics)

Total points 9/10

Email address \*

shilpabhagwat6195@gmail.com

Section score 9/10

Enter Roll number \*

2926

Enter Mobile Number \*

8806209139

The order of PDE  $(\partial^2 z)/(\partial x^2) + x (\partial z/\partial y)^3 - 4(\partial z/\partial x) = 0$  1/1 () 2

- О 3
- 04
- $O_1$

real

(

C

:

continuous set

) convergent set

) closed set

open set.

### Finite intersection of open set is.....

1/1

1/1

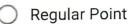
) continuous set

) convergent set

) closed set

open set.

A point z=a at which a function f(z) is not analytic is known <sup>1/1</sup> as.....



Singular Point

) analytic Point

:

) none of the above.

A function Ø(x,y) is said to be harmonic z function if x&y satisfy	0/1
O Cauchy-Reimann equation	
O Exact differential equation	
O Laplace equation	
Polar equation	
<ul> <li>A continuous arc without multiple point is called</li> <li>Jordan arc</li> <li>rectifiable arc</li> <li>continuous arc</li> <li>none</li> </ul>	1/1

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## ONLINE TEST -B.Sc III (Mathematics)

Total points 9/10 🕜

Email address \*

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Section score 9/10

Enter Roll number \*

2927

Enter Mobile Number \*

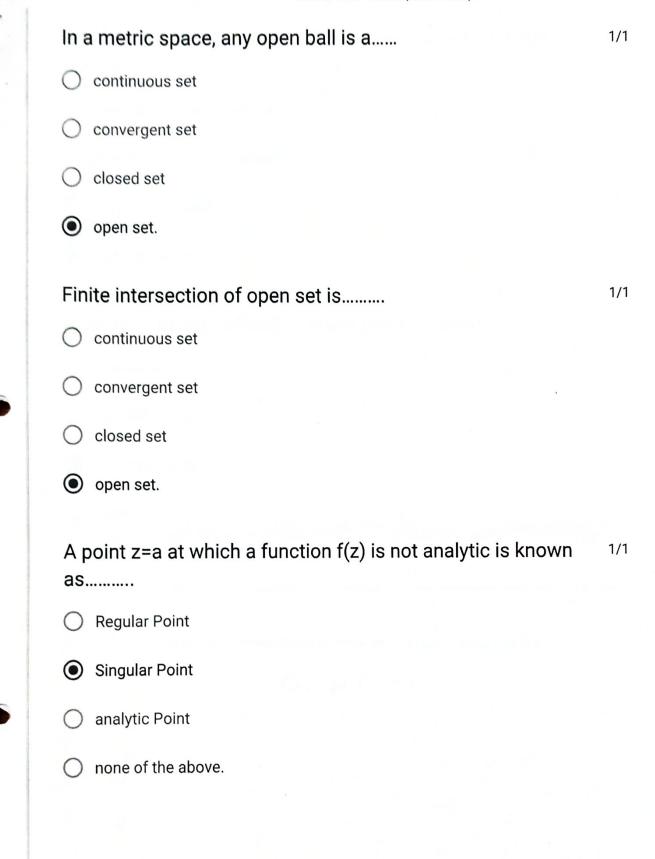
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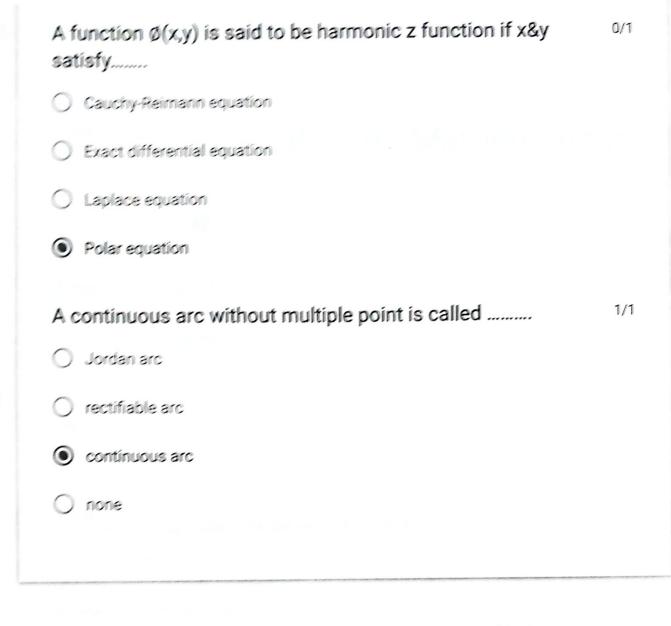
The order of PDE ( $\partial^2 z$ )/( $\partial x^2$ )+x ( $\partial z/\partial y$ )^3-4( $\partial z/\partial x$ )=0 1/1

2

- 3
- 04
- $\bigcirc 1$

:





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# ONLINE TEST -B.Sc III (Mathematics)

Total points 8/10 (?)

Email address \*

truptichavan324@gmail.com

Section score 8/10

Enter Roll number \*

2928

Enter Mobile Number \*

9604581957

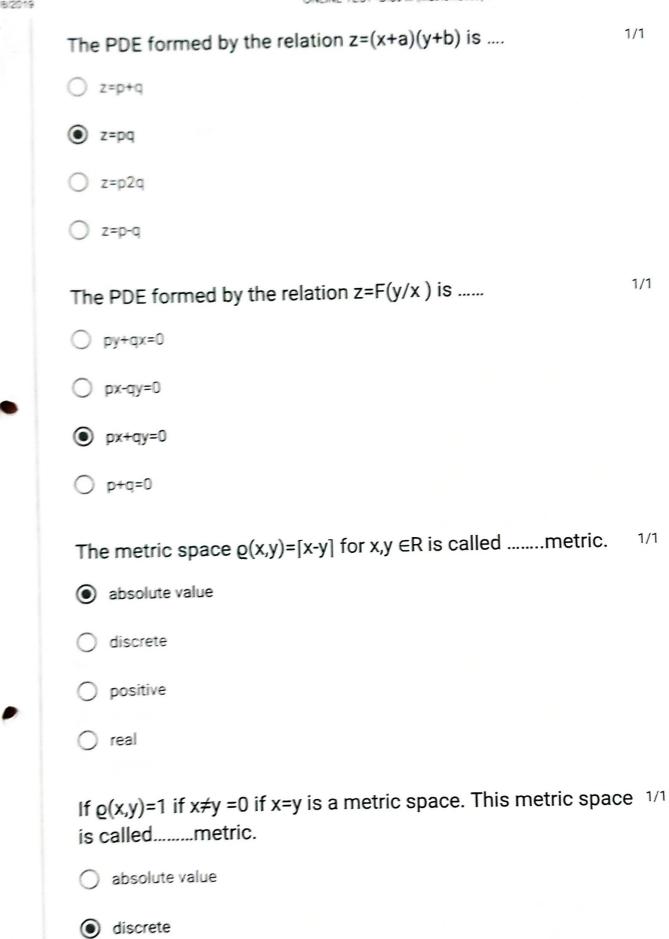
The order of PDE  $(\partial^2 z)/(\partial x^2) + x (\partial z/\partial y)^3 - 4(\partial z/\partial x) = 0$ 

1/1

2

- 3
- 04
- $O_1$

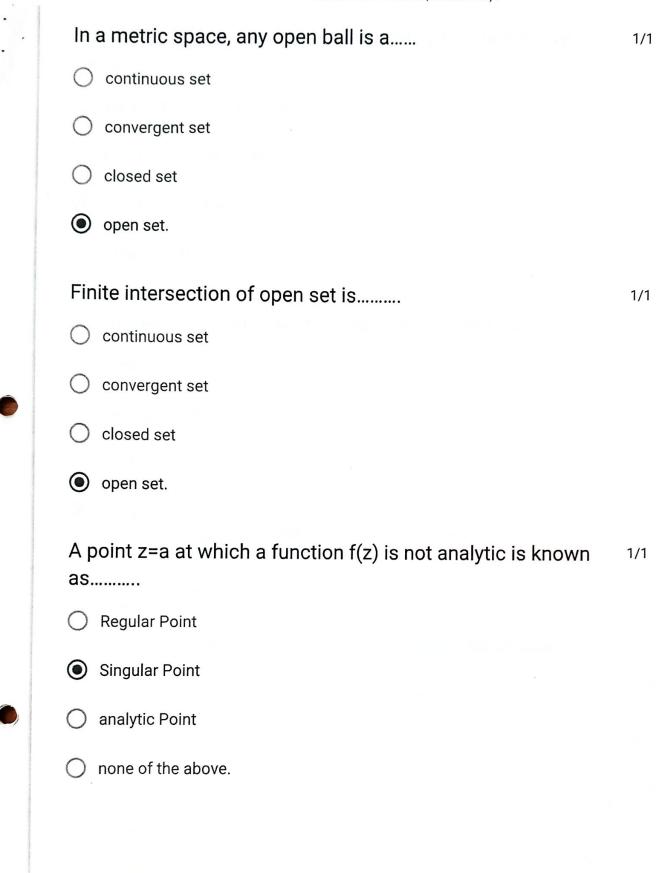
1



positive

real

:



:

A function Ø(x,y) is said to be harmonic z function if x&y 0/1 satisfy......
Cauchy-Reimann equation
Exact differential equation
Laplace equation
Polar equation
A continuous arc without multiple point is called ....... 0/1
Jordan arc
rectifiable arc
continuous arc
none

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ONLINE TEST -B.Sc III (Mathematics)
•
Total points 8/10
Email address *
akchinake61298@gmail.com
Section score 8/10
Enter Roll number *
2929
Enter Mobile Number *
7887951248
The order of PDE ( $\partial^2 z$ )/( $\partial x^2$ )+x ( $\partial z/\partial y$ )^3-4( $\partial z/\partial x$ )=0 1/1
2
O 3
○ 4
O 1

1 of 1

The PDE formed by the relation 
$$z=(x+a)(y+b)$$
 is ....
 1/1

  $z=p+q$ 
 $z=p2q$ 
 $z=p-q$ 
 $z=p-q$ 

 The PDE formed by the relation  $z=F(y/x)$  is .....
 1/1

  $py+qx=0$ 
 $px+qy=0$ 
 $px+qy=0$ 
 $p+q=0$ 

 The metric space  $\varrho(x,y)=[x-y]$  for  $x,y \in \mathbb{R}$  is called ......metric.
 1/1

  $\bullet$  absolute value
  $discrete$ 
 $positive$ 
 $real$ 

 If  $\varrho(x,y)=1$  if  $x\neq y=0$  if  $x=y$  is a metric space. This metric space  $1/1$  is called.......metric.

  $\bullet$  absolute value

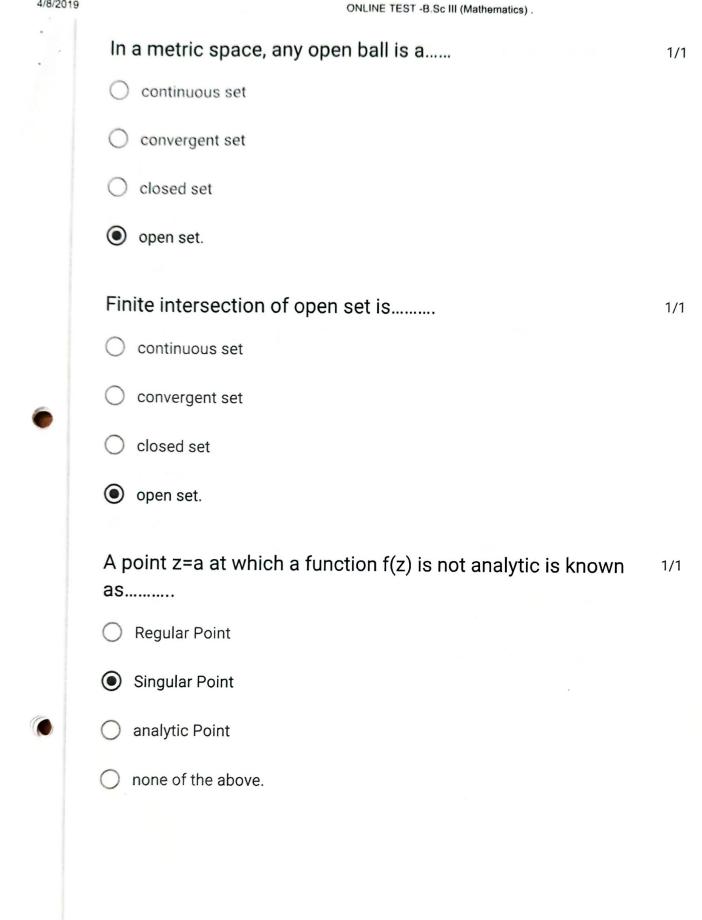
  $\bullet$  discrete

  $positive$ 
 $\bullet$  real

 If  $\varrho(x,y)=1$  if  $x\neq y=0$  if  $x=y$  is a metric space. This metric space  $1/1$  is called........

O real

1



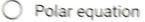


A function Ø(x,y) is said to be harmonic z function if x&y satisfy......

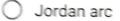




Laplace equation



### A continuous arc without multiple point is called ...... 0/1



rectifiable arc

continuous arc

Inone

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