

# Internal Examination

B.Sc.-I (statistics)

Probability

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Roll No \*

9070

Name \*

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## Untitled Question

1 point

1. Suppose  $X \sim U(3,8)$ , then the distribution function at 10 i.e.  $F(10)$  is ....

- a. 1
- b. 0
- c.  $\infty$
- d.  $2/5$

- a
- b
- c
- d

1 point

2. Suppose  $X \sim U(0,10)$ . Find  $P(x > 4)$

- a. 0.6
- b. .5
- c. .55
- d. 0

- a
- b
- c
- d



1 point

3. If  $X \sim U(a, 10)$  and  $P(3 < X < 7) = 1/2$ , Find a

- a. 1
- b. 2
- c. 3
- d. None of these

- a
- b
- c
- d

1 point

4. if  $X \sim U(a, b)$ , then the distribution function  $F(a)$  is ....

- a.  $\infty$
- b. 0
- c. 1
- d. a

- a
- b
- c
- d



5. The mean and variance of uniform distribution if  $X \sim U(0,6)$ .

a.3,3

b.6,3

c.3,6

d None of these

- a
- b
- c
- d



1 point

6. A random variable  $X$  has an exponential distribution with mean 6. Find  $P(X > 9 | X > 3)$ , ....

- a. 0.6378
- b. 0.3678
- c. .5
- d. None of these

- a
- b
- c
- d

1 point

7. For standard exponential distribution, variance of the distribution is .....

- a. 1
- b. 0
- c. 2
- d. None of these

- a
- b
- c
- d



8. Let  $X$  be exponential variate with parameter  $\theta$ . C.V. for  $X$  is .....

- a.  $\theta$
- b.  $1/\theta$
- c. 100
- d. None of these

- a
- b
- c
- d



9. The relation between mean and S.D. of exponential distribution with parameter  $\theta$  is

is

- a. Mean < S.D.
- b. Mean > S.D.
- c. Mean = S.D.
- d. None of these

a

b

c

d



10. If  $X \sim \exp(2)$  then mean and variance is.

- a. 0.5,0.25
- b. 0.25,0.25
- c. 0,0.25
- d. None of these

- a
- b
- c
- d

Option 1

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**Vivekanand College, Kolhapur (Autonomous)**

**Academic Year: 2021-2022**

**B.Sc.Computer Science (Entire)-I**

**Statistics**

**Course Title: Continuous Probability Distribution and Testing of Hypothesis**

**Course Code: GEC1302B2**

**Online Test conducted through Google Form (Mark List)**

**Date: 18/07/2021**

Roll No.	Name of the Student	Score (Out of 10)
9001	Shubham ningappa ayawale	9
9003	Arya Anandrao Bhadule	10
9005	Swaranjali Bhole	10
9006	Aishwarya Narendra Bhole	9
9008	Gayatri Dattatray Bondre	10
9009	Chavan Patil Prachi Babaso	10
9010	Nilesh Jotiba Dandwate	10
9011	Vaishnavi Shashikant Devekar	9
9012	Trupti Vijay Dhanawade	9
9013	Prajakta Maruti Dorugade	6
9016	Aditya Gavali	10
9017	Vaishnavi Gavade	10
9019	Vedant Uttam Ghatage	10
9020	Ganesh Shivaji gholap	9
9022	Laveena Rakesh Gurbani	10
9024	Atharv Hiremath	10
9025	Sayali Vijay Husenkar	2
9027	Miss.kalekar sayali Subhash	10
9028	swastik kamath	10



9031	SHREYA Kamble	10
9033	Shivani prakash kapase	10
9034	Prathamesh Pradeep Khade	10
9036	Dhanashree Rajendra khot	10
9037	Sumit Khot	9
9039	Aditya shriram kulkarni	9
9040	ashwinkumar suhas kulkarni	10
9041	Kaushal Kulkarni	10
9042	Viraj Kulkarni	10
9043	Sneha Sanjay Kurabetti	10
9044	Deepak Shankar Lokhande	9
9045	Aruna khanderao londhe	10
9046	Shatakshi patil	10
9047	Prasad Mahajan	9
9048	Sourabh Dipak Mahajan	10
9050	Sanika Mandavkar	10
9051	Asif Mulla	10
9053	Aparna Naik	10
9054	Neha Ranjit Nalage	10
9055	Komal Maruti Nalawade	10
9056	Yash Netake	10



9057	Abhinandan Bajirao patil	10
9058	Ankita laxman patil	10
9059	Bhagyashri dhondiram patil	10
9060	Pankaj Patil	10
9061	Prajakta Krishnat Patil	10
9062	Pranali Vikram Patil	10
9063	Pranita Prakash Patil	10
9064	Pritam patil	10
9065	Sanket Shantaram patil	10
9069	Apurva Shivaji Pishte	10
9070	Prateek Dilip Punetha	10
9071	Dashami Dasharath Rawal	10
9072	Sudhir sarpata	10
9075	Harshal Bajirao Shintre	8
9076	Shipekar Guruprasad Tuk	10
9080	Nilam Yashwant Vadar	8
9081	Omkar Tanaji Yamgar	9
7	Ajay Jadeja	5
1	Rahul avare	5

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