

# Internal examination 21-22 BCS-I Probability Theory

Instruction:

Date 22/01/2022 Time:- 3.00 pm to 4.00 pm

All question carry equal mark

Each question 2 mark

Email \*

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Name Of Student \*

Harsh Mahadev Biranje

Roll Number \*

9007

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\*

1) Which of the following is a pair of mutually exclusive events in the drawing of a single card from a pack of 52 playing cards?

- A) A heart and a queen
- B) A black and a spade card
- C) an ace and red card
- D) A club and a red card

- A
- B
- C
- D



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2) Probability is expressed as .....

A) Ratio

B) Percentage

C) Proportion

D) All the above

A

B

C

D



\*

3) An urn contains 4 blue and 6 red ball .then probability of drawing 2 white balls is.....

A)  $4/10$

B)  $6/10$

C) 0

D)  $3/15$

A

B

C

D



4) The event does not contain any sample point of sample space is called as .....

- A) Certain event
- B) Impossible event
- C) Sure event
- D) None of these

- A
- B
- C
- D



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5) ..... is a not an example of random experiment

- A) Tossing of a single coin
- B) Rolling of a single die
- C) Detection of blood group of a person
- D) Throwing a ball in the sky

A

B

C

D



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6) Sample space is a set of .....

- A) All possible outcomes that belongs to a particular sample in a random experiment of interest
- B) Data space in which a sample experiment can be performed
- C) All possible distinct outcomes of a random experiment
- D) Data space from which a sample for a study may be drawn

- A
- B
- C
- D



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7) Probability of the occurrence of both event A and B is .....

A)  $P(A) P(B)$

B)  $P(A) + P(B)$

C)  $P(A \cup B)$

D)  $P(A \cap B)$

A

B

C

D





8) Let A and B are mutually exclusive events defined on sample space  $\Omega$  then

$P(A|B^c) = \dots\dots$

A)  $\frac{P(B)}{1-P(A)}$

B)  $\frac{P(A)}{1-P(B)}$

C)  $\frac{P(A)}{P(A)+P(B)}$

D)  $P(A)$

A

B

C

D



\*

9) Two events are said to be exhaustive events if .....

A)  $A \cap B = \emptyset$

B)  $A \cup B = \emptyset$

C)  $A \cap B = \Omega$

D)  $A \cup B = \Omega$

A

B

C

D



\*

10) Let sample space  $\Omega = \{HH, HT, TH, TT\}$ ,  $A = \{HH, TT\}$ ,  $B = \{TH, HT\}$  then events A and B are .....

- A) Mutually exclusive events
- B) Exhaustive events
- C) Both mutually exclusive and exhaustive events
- D) None of these

- A
- B
- C
- D



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11) If  $P(A) = 1/4$ ,  $P(A|B) = 1/3$ ,  $P(B|A) = 1/2$  then value of  $P(A|B)$  = .....

A)  $2/3$

B)  $4/5$

C)  $1/5$

D)  $3/8$

A

B

C

D



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12) If  $A$  and  $B$  are independent events defined on sample space  $\Omega$  then conditional probability of  $A$  given  $B$  [ $P(A|B)$ ] is .....

- A) 0
- B) 1
- C)  $P(A)$
- D)  $P(B)$

 A B C D

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13) Which of the following option is correct for De Morgan's law.....

A)  $(A \cup B)' = A' \cap B'$

B)  $(A \cap B)' = A' \cup B'$

C) Both A and B

D) None of these

A

B

C

D



\*

14) Let sample space  $\Omega = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ ,  $A = \{1, 2, 4, 6, 8, 9\}$ ,

$B = \{2, 3, 5, 6, 9, 10\}$  then  $A \cap B = \dots\dots$

A)  $\{2, 3, 5, 10\}$

B)  $\{1, 2, 6, 9\}$

C)  $\{1, 4, 6, 9\}$

D)  $\{2, 6, 9\}$

A

B

C

D



**Vivekanand College, Kolhapur (Autonomous)**

**Academic Year: 2021-2022**

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

**Subject-Statistics**

**Course Title: Probability and Discrete Probability Distribution**

**Course Code: 1302A2**

**Internal Test**

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

**Date 22/01/2022**

<b>Name Of Student</b>	<b>Roll Number</b>	<b>Score</b>
Anjali Anil ambi	9002	26 / 40
Shruti babar	9003	10 / 40
Dhairiyashil Bhosale	9004	24 / 40
Nikita Bhosale	9005	22 / 40
Harsh Mahadev Biranje	9007	28 / 40
Soham anand borage	9008	30 / 40
Nikita Chandekar	9009	22 / 40
Prachiti Prasad Chinchanikar	9010	26 / 40
Anmol dafale	9011	28 / 40
Abhishek Dalawai	9012	32 / 40
Atharv Dantal	9013	22 / 40
Rohan Vijay darde mali	9014	28 / 40
Suraj Ravindra Dhadave	9016	26 / 40
Prajwal shashikant dongare	9018	28 / 40
Rohan V. Ekshinge	9020	24 / 40
Harshad gaikwad	9021	30 / 40
Kedar Durugade	9021	28 / 40
Shreyash Kiran Ghorpade	9022	36 / 40
Shruti ghosalkar	9023	18 / 40
Atharv Anil Gondhali	9025	22 / 40
Prachi Mahesh Ingale	9026	28 / 40
Tanaji navnath ingole	9027	22 / 40
Manoj Jadhav	9028	26 / 40
Ritesh jadhav	9029	30 / 40
Tushar Pandurang Jadhav	9030	24 / 40
Arif Salim Jamadar	9031	28 / 40
Shripad jangan	9032	26 / 40
Pratik kadam	9034	24 / 40
Shruti Sagar Kadam	9035	28 / 40
samarth kalekar	9036	24 / 40
Dakshata Chandar Kamble	9037	36 / 40
Karan kamble	9038	26 / 40
Shivani	9040	22 / 40





Sanika mahesh Kesarkar	9041	28 / 40
Somnath Kesarkar	9042	30 / 40
Azim Khan	9043	28 / 40
Shubham Shankar Khavre	9044	36 / 40
Pankaj Baburav Kolsundkar	9045	22 / 40
Akanksha Kulkarni	9046	26 / 40
Sakshi Umesh kulkarni	9047	24 / 40
Vedika Vijay Kumar	9048	32 / 40
Tejaswini Mali	9049	24 / 40
Pratik Madhukar Mane	9050	34 / 40
Shubham mane	9051	26 / 40
Yashodeep Mane	9052	26 / 40
Vaibhav Mangale	9053	26 / 40
Digambar chandrakant marikar	9054	28 / 40
Aoudumbar bhairu more	9055	34 / 40
Vaishnavi bharat more	9057	28 / 40
Mushara Altaf Mujawar	9058	28 / 40
Bhushan Dinesh Musale	9059	24 / 40
Sakshi Sanjay Naik	9060	18 / 40
Sanika Ramrao Nerlekar	9061	16 / 40
Prathmesh Pandurang Nikam	9062	26 / 40
Akanksha vidyadhar patil	9064	30 / 40
Ashlesha	9065	22 / 40
Eshwari patil	9066	12 / 40
Kirti Patil	9069	10 / 40
Krunal Dattatray Patil	9070	24 / 40
Mayur patil	9071	36 / 40
Nikita Nilesh Patil	9072	24 / 40
Omkar Janba Patil	9073	36 / 40
Rishabh Patil	9074	20 / 40
Rugved Patil	9076	28 / 40
Sakshi Santaji patil	9077	30 / 40
Sakshi Tanaji Patil	9078	28 / 40
Sakshi uttam patil	9079	28 / 40
Sambhaji Vitthal Patil	9080	36 / 40
Samrudhi patil	9081	26 / 40
Sharvari prakash patil	9083	22 / 40
Shital santosh patil	9084	30 / 40
Shivani Patil	9085	18 / 40
Shravani Bharat patil	9086	26 / 40
Swaraj Patil	9087	32 / 40
Swati Sanjay Patil	9088	26 / 40
Vivek Patil	9089	28 / 40
Omkar patki	9090	28 / 40
Akshata Gopichand pawar	9091	28 / 40



Sneha shamsundar potdar	9092	28 / 40
Somnath Satish Prabhavale	9093	28 / 40
Shrutika Pratapsinh Rajput	9094	28 / 40
Vaishnavi Rajput	9095	26 / 40
Srushti Ranage	9097	24 / 40
Abhishek Amarendra Sah	9098	32 / 40
Soyam Dipak sawant	9099	30 / 40
Atharv shete	9100	32 / 40
Prathamesh Gajanan Shirashtet	9102	28 / 40
Abhishek shirguppe	9103	22 / 40
Pradnya Sutar	9104	14 / 40
Prathamesh Bhagavan Sutar	9105	24 / 40
Sahil bajirao Sutar	9106	24 / 40
Shruti Arvind taral	9107	26 / 40
Rajesh Bapuso Vetale	9108	36 / 40
Omkar Prabhakar Waghmare	9109	24 / 40
HARSHARAJ ANIL WAKASE	9110	36 / 40
Somesh Ramesh Yadav	9111	36 / 40
Vidumukhi Vinay Jadhav	9112	30 / 40
Nitin Salunkhe	9113	36 / 40
Guruprasad Suhas Varne	9114	22 / 40
Aditya Amar Patil	9115	26 / 40

*Pawar AA*  
(Mr. Ajit A. Pawar)



*Pawar*

**HEAD**  
**DEPARTMENT OF B.SC. COMPUTER SCIENCE**  
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