

**BLDE ASSOCIATION'S
S.B.ARTS AND K.C.P SCIENCE COLLEGE,
VIJAYAPUR**



DEPARTMENT OF STATISTICS

BRIDGE COURSE REPORT 2018 – 19

B.L.D.E Association's
S.B.Arts and K.C.P. Science College, Vijayapur

Department of Statistics

For the Academic Year: 2018 - 19

NOTICE

Our department is conducting Bridge Course classes for B.A/B.Sc I sem students. In the last week of June 2018. All the students are hereby informed to attend the classes.



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BRIDGE COURSE REPORT 2018 – 19

About the department

Our department established in 1962. The courses introduced are mathematical statistics for BSc students and applied statistics for BA students. Our department has high standard for ourselves in all endeavors and we aim of achieving excellence by creating all round personality and keeping the students at the heart and for casting on the learning out comes.

Role of Bridge course:

Aiming at making the B.Sc & BA (statistics) course smoother for entrants, department has announced one week bridge course for B.Sc Ist & BA Ist year students in the last week of June 2018.

Preparatory and bridging courses in statistics are concerned with filling gaps between: the statistical knowledge and skills of enrolling students and the requirements of a tertiary course; students' conception of the subject and its actual nature; students' level of confidence and study skills and those required by a tertiary course.

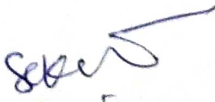
Bridge course in statistics is taught namely in descriptive statistics, basic probability and at least an introduction to inferential statistics. The introduction to use electronic calculators, statistical packages on computer.

Employment opportunities:

Employment opportunities in various government and private sectors like Educational department, Health department, District Statistical offices, State transportation authorities, Directorate of Economics and Statistics, District Administrative offices has been informed to the students.


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Time Schedule

| Class | Date | Time | Description |
|---------|------------|-----------------|--|
| B.Sc -I | 26-06-2018 | 3.00pm -4.00pm | Descriptive statistics |
| | 27-06-2018 | 4.00pm -5.00pm | Basic probability |
| | 30-06-2018 | 3.00pm -4.00pm | Use of electronic calculators, statistical package on computer |
| | 2-07-2018 | 2.00pm -3.00pm | Employment opportunities in our subject |
| B.A.-I | 26-06-2018 | 8.30am-9.30am | Descriptive statistics |
| | 27-06-2018 | 9.30am-10.30am | Descriptive statistics |
| | 28-06-2018 | 10.30am-11.30am | Basic probability |
| | 29-06-2018 | 12.30am-01.30am | Use of electronic calculators, statistical package on computer |
| | 02-07-2018 | 7.30am-8.30am | Employment opportunities in our subject |

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Syllabus for Bridge Course

I.Descriptive statistics

- Definition of statistics, Origin of statistics,
- Meaning ,Advantages, Function of statistics,
- Relation between statistics and other subject

II.Basic probability

- Meaning of probability, Definition of probability ,
- Use of Probability.
- Examples on probability.

III.Use of electronic calculators, statistical package on computer

- How to use electronic calculators.
- Statistical package on computer.
- How the statistical packages are used in different fields.

IV. Employment opportunities in our subject

- Finance.
- Actuarial Science – CIGNA.
- Health and Medicine – National Institute of Health.
- NGO – Data without borders, mobile active.
- Statistical Investigator.
- Statistical Assistant (KPSC).
- Indian Statistical Service (ISS), UPSC.
- Software Marketing – Microsoft, SAS, SPSS, R-Programming.
- International Organisation – UNO, Census Bureau.
- Indian Institute of Population Studies (IIPS).
- CSO, NSO.
- Competitive world.



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Department of Statistics 2018-19

Attendance of Bridge Course for BSc – I Sem

| Sl No. | R. No. | Name of the Student | 26/6/2018 | 27/6/2018 | 30/6/2018 | 2/7/2018 |
|--------|--------|--------------------------|-------------------|-------------------|-------------------|-------------------|
| 1 | 7 | DRAKSHAYANI . BHUSARI | D.S.Bhusari | D.S.Bhusari | D.S. Bhusari | D.S. Bhusari |
| 2 | 8 | SADHANA . KULKARNI | <u>Sadhana</u> | <u>Sadhana</u> | <u>Sadhana</u> | <u>Sadhana</u> |
| 3 | 12 | AISHWARYA . CHOLAKE | <u>Ash</u> | <u>Ash</u> | <u>Ash</u> | <u>Ash</u> |
| 4 | 17 | POOJA . MENDEGAR | — | — | — | — |
| 5 | 53 | DRAKSHAYANI . RONIHAL | <u>Dr</u> | <u>Dr</u> | <u>Dr</u> | <u>Dr</u> |
| 6 | 54 | AMRUTA . AWATI | A.S.Awati | A.S.Awati | A.S.Awati | A.S.Awati |
| 7 | 67 | TAMMANNAPPA . LONI | <u>Toni</u> | <u>Toni</u> | <u>Toni</u> | <u>Toni</u> |
| 8 | 68 | ARAVIND . CHAVAN | <u>Arav</u> | <u>Arav</u> | <u>Arav</u> | <u>Arav</u> |
| 9 | 76 | AKASH . PATIL | — | — | — | — |
| 10 | 104 | HONNAKESHAV . HALYAL | <u>Halyal</u> | <u>Halyal</u> | <u>Halyal</u> | <u>Halyal</u> |
| 11 | 116 | SUNIL . CHAVAN | <u>Chavan.S.D</u> | <u>Chavan.S.D</u> | <u>Chavan.S.D</u> | <u>Chavan.S.D</u> |
| 12 | 172 | PRASAD . SALI | <u>Prasad</u> | <u>Prasad</u> | <u>Prasad</u> | <u>Prasad</u> |
| 13 | 173 | SHRISHAIL . PATIL | <u>Shrishail</u> | <u>Shrishail</u> | <u>Shrishail</u> | <u>Shrishail</u> |
| 14 | 180 | MITHUN . PAWAR | <u>Mithun</u> | <u>Mithun</u> | <u>Mithun</u> | <u>Mithun</u> |
| 15 | 185 | RUTUJA . DESHPANDE | <u>Rutuja</u> | <u>Rutuja</u> | <u>Rutuja</u> | <u>Rutuja</u> |
| 16 | 191 | HEENAKOUSAR . KAKHANDAKI | <u>H</u> | <u>H</u> | <u>H</u> | <u>H</u> |
| 17 | 282 | NETRAVATI . KALAGI | <u>Netragi</u> | <u>Netragi</u> | <u>Netragi</u> | <u>Netragi</u> |
| 18 | 312 | HANAMANT . GADED | — | — | — | — |
| 19 | 313 | LAXMAN . KURIMANI | <u>Laxman</u> | <u>Laxman</u> | <u>Laxman</u> | <u>Laxman</u> |
| 20 | 357 | CHETAN . BALLARY | <u>Chetan</u> | <u>Chetan</u> | <u>Chetan</u> | <u>Chetan</u> |
| 21 | 364 | RESHMA . BANGALI | <u>Reshma</u> | <u>Reshma</u> | <u>Reshma</u> | <u>Reshma</u> |
| 22 | 382 | APOORVA . HIREMATH | <u>Ash</u> | <u>Ash</u> | <u>Ash</u> | <u>Ash</u> |
| 23 | 389 | AKSHATA . MADIWALAR | <u>Akshata</u> | <u>Akshata</u> | <u>Akshata</u> | <u>Akshata</u> |
| 24 | 398 | VINOD . KATTIMANI | <u>Vinod</u> | <u>Vinod</u> | <u>Vinod</u> | <u>Vinod</u> |
| 25 | 414 | RAKESH . KOTTALAGI | <u>Rakesh</u> | <u>Rakesh</u> | <u>Rakesh</u> | <u>Rakesh</u> |
| 26 | 415 | SANTOSH . WAGHAMORE | <u>Santosh</u> | <u>Santosh</u> | <u>Santosh</u> | <u>Santosh</u> |
| 27 | 416 | AISHWARYA . NAROLE | <u>Ashwari</u> | <u>Ashwari</u> | <u>Ashwari</u> | <u>Ashwari</u> |
| 28 | 419 | SHILPA . HONAWAD | — | — | — | — |
| 29 | 420 | ANAND . MENASANGI | <u>ANM</u> | <u>ANM</u> | <u>ANM</u> | <u>ANM</u> |
| 30 | 422 | BASAVARAJ . BISAGOND | <u>Basavraj</u> | <u>Basavraj</u> | <u>Basavraj</u> | <u>Basavraj</u> |


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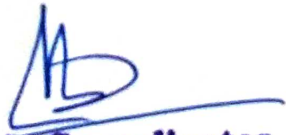

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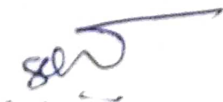
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Attendance of Bridge Course for BA – I Sem 2018-19

| R. No. | Name of the Student | 26/6/2018 | 27/6/2018 | 28/6/2018 | 29/6/2018 | 2/7/2018 |
|--------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 7 | KRISHNA . CHAVAN | <u>Kchavan</u> | <u>Kchavan</u> | <u>Kchavan</u> | <u>Kchavan</u> | <u>Kchavan</u> |
| 32 | IRANNA . BIRADAR | <u>IRANNA</u> | <u>IRANNA</u> | <u>IRANNA</u> | <u>IRANNA</u> | <u>IRANNA</u> |
| 101 | GEETA . RATHOD | <u>Geeta</u> | <u>Geeta</u> | <u>Geeta</u> | <u>Geeta</u> | <u>Geeta</u> |
| 102 | SWATI . AWATE | <u>Swati</u> | <u>Swati</u> | <u>Swati</u> | <u>Swati</u> | <u>Swati</u> |
| 116 | BHAGANNA . BIRADAR | <u>Bhaganna</u> | <u>Bhaganna</u> | <u>Bhaganna</u> | <u>Bhaganna</u> | <u>Bhaganna</u> |
| 133 | NINGRAJ . SINAKHED | <u>N.</u> | <u>N.</u> | <u>N.</u> | <u>N.</u> | <u>N.</u> |
| 145 | RESHMA . KAMBLE | <u>Ramy</u> | <u>Ramy</u> | <u>Ramy</u> | <u>Ramy</u> | <u>Ramy</u> |
| 146 | PRIYANKA . KENGAR | <u>Priy</u> | <u>Priy</u> | <u>Priy</u> | <u>Priy</u> | <u>Priy</u> |
| 149 | AKSHATA . MANKANI | <u>A.m.mankani</u> | <u>A.m.mankani</u> | <u>A.m.mankani</u> | <u>A.m.mankani</u> | <u>A.m.mankani</u> |


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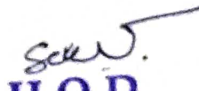

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Multiple Choice Questions

01 x 10 = 10

- Which of the following is not a characteristic of a random experiment?
 - Number of outcomes is 2 or more
 - All outcomes are not known in advance
 - Outcome obtained in a particular trial is not known in advance
 - Experiment can be repeated under identical conditions
- Which of the given sets are not an event of the sample space $S = \{a, 1, 2, 3, z\}$
 - $\{a, z\}$
 - $\{1, 2, 3\}$
 - $\{\}$
 - $\{a, b\}$
- Which among the following is a sample space obtained while tossing a coin thrice?
 - $\{(H, T), (T, H), (T, T), (H, H)\}$
 - $\{(H, H, H), (H, T, T), (T, T, T)\}$
 - $\{(H, H), (T, T)\}$
 - $\{(H, H, H), (H, H, T), (H, T, T), (T, H, T), (H, T, H), (T, T, H), (T, H, H), (T, T, T)\}$
- Pick out the elementary events from below
 - $\{a, b, c\}$
 - $\{1, 2\}$
 - $\{1\}$
 - $\{3, 4, 5\}$
 - $\{a, b\}$
 - $\{c\}$
 - i, iv, vi
 - ii, iii, iv
 - i, iv
 - iii, vi
- In a random experiment of rolling a die and observing the number shown up, let A be the event "odd number showing up". Then $A_c =$
 - $\{1, 2, 3, 6\}$
 - $\{1\}$
 - $\{1, 3, 5\}$
 - $\{2, 6\}$
- If $A = \{1\}$ and $B = \{2, 3\}$ in $S = \{1, 2, 3, 5, 6\}$, which is the event representing the occurrence of exactly one of events A, B?
 - $\{1, 2, 3\}$
 - $\{\}$
 - $\{2, 3\}$
 - S


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7. Classical definition of probability gives that if the elementary events of a random

experiment are mutually exclusive, exhaustive and equally likely, then

- a) $P(A) = \text{Number of outcomes of } A / \text{Total number of outcomes}$
- b) $P(A) = \text{Number of elements in } A$
- c) $P(A) = \text{Number of elements in } S / \text{Number of outcomes of } A$
- d) None of the above

8. In a random experiment of selecting a red bead from a bag with five beads of colours red,

white, blue, green and yellow, probability of "getting a red bead" is

- a) $1/6$
- b) $1/5$
- c) $3/5$
- d) $1/3$

9. Classical definition of probability is applicable only when the following holds true

i) Sample space is finite, ii) Events are mutually exclusive, iii) Events are equally likely,

iv) Events are exhaustive

- a) i, ii
- b) ii, iii, iv
- c) i, ii, iii, iv
- d) i

10. Which of the following is not an axiom in the axiomatic definition of probability?

- a) $P(A) \geq 0$, A be any event
- b) $P(S) = 1$
- c) A_1, A_2, \dots be disjoint events, then $P(A_1 \cup A_2 \cup \dots) = P(A_1) + P(A_2) + \dots$
- d) None of these


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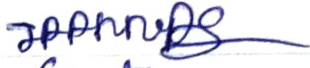




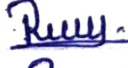
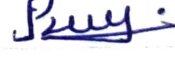

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Marks List of Bridge Course for BA – I Sem 2018-19

| Sl No. | R. No. | Name of the Student | Marks/10 | Signature |
|--------|--------|---------------------|----------|---|
| 1 | 7 | KRISHNA CHAVAN | 7 |  |
| 2 | 32 | IRANNA BIRADAR | 9 |  |
| 3 | 101 | GEETA RATHOD | 6 |  |
| 4 | 102 | SWATI AWATE | 10 |  |
| 5 | 116 | BHAGANNA BIRADAR | 10 |  |
| 6 | 133 | NINGRAJ SINAKHED | 8 |  |
| 7 | 145 | RESHMA KAMBLE | 9 |  |
| 8 | 146 | PRIYANKA KENGAR | 8 |  |
| 9 | 149 | AKSHATA MANKANI | 9 |  |
| 10 | | | | |


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Marks List of Bridge Course for BSc – I Sem 2018-19

| Sl No. | R. No. | Name of the Student | Marks/10 | Signature |
|--------|--------|-----------------------------|----------|---------------|
| 1 | 7 | DRAKSHAYANI BHUSARI | 5 | D. S. Bhusari |
| 2 | 8 | SADHANA KULKARNI | 6 | |
| 3 | 12 | AISHWARYA CHOLAKE | 4 | Anh. |
| 4 | 17 | POOJA MENDEGAR | | |
| 5 | 53 | DRAKSHAYANI RONIHAL | 6 | |
| 6 | 54 | AMRUTA AWATI | 5 | A.S. Awati |
| 7 | 67 | TAMMANNAPPA LONI | 6 | Toni |
| 8 | 68 | ARAVIND CHAVAN | 7 | |
| 9 | 76 | AKASH PATIL | | |
| 10 | 104 | HONNAKESHAV . HALYAL | 7 | |
| 11 | 116 | SUNIL . CHAVAN | 8 | Chavan S.D |
| 12 | 172 | PRASAD . SALI | | |
| 13 | 173 | SHRISHAIL . PATIL | 5 | |
| 14 | 180 | MITHUN . PAWAR | 7 | |
| 15 | 185 | RUTUJA . DESHPANDE | 8 | |
| 16 | 191 | HEENAKOUSAR . KAKHANDAKI | 8 | |
| 17 | 282 | NETRAVATI . KALAGI | 7 | Balagi |
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| 20 | 357 | CHETAN . BALLARY | | |
| 21 | 364 | RESHMA . BANGALI | | |
| 22 | 382 | APOORVA . HIREMATH | | |
| 23 | 389 | AKSHATA . MADIWALAR | 4 | Amodiwalar |
| 24 | 398 | VINOD . KATTIMANI | 5 | |
| 25 | 414 | RAKESH . KOTTALAGI | 7 | |
| 26 | 415 | SANTOSH . WAGHAMORE | | |
| 27 | 416 | AISHWARYA . NAROLE | 8 | Aharole |
| 28 | 419 | SHILPA . HONAWAD | 6 | |
| 29 | 420 | ANAND . MENASANGI | 6 | |
| 30 | 422 | BASAVARAJ . BISAGOND | 7 | |

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