**PAPER CODE : 3635**

# BSC SEM –III
# JULY-SEP-2021
## Elective Course EC–SE- BIOTECHNOLOGY
## SE-Biostatistics

કુલ સમય :– ૩૦ મીનીટ  કુલ પ્રશ્નો : ૩૫  વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૨૫

નોંધ :વિદ્યાર્થીએ માત્ર ૨૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૨૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશ

**Q-1 application of statics in biotechnology**

**A. Statics  B. statics in vivo  C. statics in vitro  D. Biostatics**

**Q-2 Biometrics refers to**

**A. Measurements  B. biological Measurements  C. Data Measurements  D. All**

**Q-3 Primary data are refer to**

**A. First handed  B. Second handed  C. collected from agency  D. Non of them**

**Q-4 Unmeasurable variable**

**A. color of skin  B. no. of students  C. color of flower  D. A+C**

**Q-5 Lottery method is include**

**A. Non random  B. Random  C. A+B  D. Non of them**

**Q-6 Secondary data may be**

**A. Not reliable  B. Reliable  C. original  D. first handed**

**Q-7 Geographical data consider**

**A. Counties  B. Districts  C. Villages  D. All**

**Q-8 Array data mean**

**A. as it is  B. formatted  C. edited  D. Arranged**

**Q-9 Mid values of class 10-20**

**A. 10  B. 15  C. 20  D. 5**

**Q-10 X axis and Y axis consider in**

**A. bar chart  B. table  C. Graph  D. Curve**

**Q-11 Pictograms represented**

**A. Data  B. Picture  C. Marks  D. Dots**

**Q-12 Measures of central tendency NOT included**

**A. Mean  B. Median  C. Mode  D. Standard error**

**Q-13 Calculate Mean 3,4,5,7**

**A. 4.75  B. 3.34  C. 2.34  D. 4.79**

**Q-14 Calculate Mean 12,16,21**

**A. 16.13  B. 14  C. 12  D. 16.12**

**Q-15 Calculate Median 11,12,15,16,19**

**A. 16  B.15  C. 17  D.19**

**Q-16 Calculate Mode 3,4,3,4,6,7,3**

**A. 4 B.3 C. 7 D.5**

**Q-17 Chi square test proposed by**

**A. Fisher B. Pearson C. Kye D. Smith**

**Q-18 t – test called as**

**A. Teacher test B. student test C. institute test D. education test**

**Q-19 Probability of has chance of male or female child birth**

**A. 50% B. 40% C. 20% D. not calculate**

**Q-20 Manifold classification refer**

**A. one class B. many classes C. two classes D. All**

**Q-21 Chronological data represented**

**A. years B. months C. counties D. A+B**

**Q-22 Secondary data collected from**

**A. Agency B. Department C. NGO D. All**

**Q-23 Small portion of population is consider**

**A. Data B. Sample C. Variable D. All**

**Q-24 Bar charts are consider as a**

**A. chart B. Diagram C. Graph D. Non of them**

**Q-25 Histogram in statics**

**A. Graph B. Diagram C. Chart D. All**

**Q-26 Calculate Mean 67,76**

**A. 34.6 B. 71.5 C. 71.9 D. 80**

**Q-27 Calculate Median 4,5,6,8,9**

**A. 6 B. 4 C. 5 D. 9**

**Q-28 Calculate Mode 5,7,5,7,8,5.5**

**A. 3 B. 5 C.6 D.7**

**Q-29 Cartogram included**

**A. Pictures B. cartoons C. Diagrams D. All**

**Q-30 CF is represented in median formula**

**A. Frequency B. total frequency C. Cumulative Frequency D. Non of them**

**Q-31 Primary data collected by**

**A. First investigator B. Second investigator C. Both D. Non**

**Q-32 Biostatics always represented data**

**A. numeral data B. biological data C. statics data D. All**

**Q-33 Sigma ∑ means**

**A. numb of data B. total no. of data C. Sum of Data D. all**

**Q-34 Calculate Range of following data 22,8,12,5,13**

**A. 17 B.12 C.22 D.13**

**Q-35 MD represented**

**A. Mean B. Mean Deviation C. Mean divide D. Mean Division**