

- 13) Blocking is a technique for dealing with ----- nuisance variables.
 - a) Uncontrollable
 - b) Unbearable
 - c) Bearable
 - d) Controllable
- 14) Confounding is a design technique for arranging the complete factorial experiment in-----
 - a) Row
 - b) Blocks
 - c) Both a & b
 - d) None of these
- 15) The file associated with minitab graph is -----
 - a) *.mgf
 - b) *.mpj
 - c) *.mtmm
 - d) *.mt
- 16) Which among the following is not a use of regression modeling?
 - a) Predictive Modeling
 - b) Segmentation
 - c) Testing
 - d) Analysis
- 17) Design of experiments in the design of any -----
 - a) Force
 - b) Task
 - c) Moment
 - d) All of these
- 18) Central composite designs are ----- level full factorial.
 - a) One
 - b) Two
 - c) Three
 - d) Four
- 19) Special geometrics is -----
 - a) Cube
 - b) Sphere
 - c) Bot a & b
 - d) None of these
- 20) Which among the following properties and features of response methodology?
 - a) Orthogonality
 - b) Rotatability
 - c) Uniformity
 - d) All of these

2. Long answer questions. Solve **any two**.

20

- 1) Define and discuss various techniques of ANOVA.
- 2) Discuss experiential design technique in detail.
- 3) Define and discuss blocking and confounding system.

3. Short answer questions. Solve **any seven**.

35

- 1) Write a note on Minitab.
- 2) Explain experiment design.
- 3) Give core function of SSP.
- 4) Write a note on pie chart.
- 5) Explain cohort studies.
- 6) Define population and subpopulations in statistics.
- 7) Explain mathematical expression of SEM.
- 8) Note on measures of central tendency.
- 9) Explain Karl Pearson Coefficient of Correlation.
