Paper Code – 5408

M.Sc. Semester-III (Old Course)
(Mathematics)
July-Septermber-2021
MCB-3 Research Methodology

કુલ સમય :– : ૩૦ મીનીટ કુલ પ્રશ્નો : ૨૫ વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૧૮

નોંધ : વિદ્યાર્થીએ માત્ર ૩૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૩૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

(1) Which type of research is used in social science and business research?
(A) Analytical research (B) Empirical research (C) Ex Post Facto research (D) Applied research

(2) "Choice of girls" is which type of research?
(A) Empirical research (B) Descriptive research (C) Qualitative research (D) Other research

(3) What is a scientific and systematic way to solve research problem?
(A) Methods of research (B) Research Methodology (C) Research Design (D) Sample size

(4) Which is not features of good research design?
(A) Flexible, efficient, economical (B) Minimize bias
(C) Maximize the reliability of data (D) Maximum expenditure of time and money

(5) What is the Quality of good research ….?
(A) Systematic (B) Logical (C) Empirical (D) Above all

(6) Hypothesis testing research studies are known as….?
(A) Experimental studies (B) Design (C) Operation research (D) Empirical

(7) Which method is most commonly used specially in studied relating to behavior science?
(A) Interview Method (B) Observational Method (C) Question and Answer Method (D) None

(8) Which interview is plays important role in Industrial survey, Particular survey in developed area?
(A) Clinical interview (B) Telephone interview (C) Focused interview (D) Structured interview

(9) Which are the characteristics of secondary Data?
(A) Reliability of Data (B) Suitability of Data (C) Adequacy of Data (D) Above all

(10) Which is the better Measurement Specially in Economics and social science?
(A) Arithmetic Mean (B) Mode (C) Median (D) Geometric Mean

(11) Which Measurement is used in the Study of population size?
(A) Arithmetic Mean (B) Mode (C) Median (D) Harmonic Mean

(12) Which Measurement used in the case of time and motion study?
(A) Arithmetic Mean (B) Mode (C) Median (D) Harmonic Mean

(13) Calculate the Geometric mean of 2, 4 and 8….?
(A) 4.67 (B) 4.27 (C) 4.0 (D) 4.99

(14) When a null hypothesis is rejected, then it is possible that…..
(A) A Type -2 error has been made (B) A correct decision has been made
(C) A Type -1 error has been made (D) None

(15) For testing P1=P2 in a large sample, the proper test is…
(A) t-Test (B) F-Test (C) z-Test (D) None

(16) Which test we should use If population finite, sample size may be large, variance of the population is known, Ha may be one-side or two-side….?
(A) t-Test (B) F-Test (C) z-Test (D) None

(17) The calculated value of χ^2(Chi-square) we use formula…..
(A) $\chi^2 = \sum \frac{O-E}{E}$ (B) $\chi^2 = \sum \frac{(O-E)^2}{E}$ (C) $\chi^2 = \sum \frac{O+E}{E}$ (D) $\chi^2 = \sum \frac{(O+E)^2}{E}$

(18) For Report writing ……% time is devoted.
(A) 17 (B) 33 (C) 25 (D) 10

(19) A comprehensive a full Report of the Research process is called..?
(A) Thesis (B) Summary report (C) Article (D) Interim Report

(20) Bibliography means….
(A) Foot note (B) List of Books referred (C) Biography (D) Quotations

(21) A research report is Formal statement of…
(A) Research Report (B) Data collection (C) Research problem (D) Data collecting

(22) In research Report……is used to acknowledge Indebtness.
(A) Foot note (B) Appendix (C) Bibliography (D) Index

(23) Action research means
(A) A longitudinal research (B) An applied research
(C) A research initiated to solve an immediate problem (D) A research with socioeconomic objective

(24) Which of the following is not a "Graphic representation" ?
(A) Pie Chart (B) Bar Chart (C) Table (D) Histogram

(25) Research is classified on the basis of …….. and methods.
(A) Purpose (B) Intent (C) Methodology (D) Techniques