Seat No: _____   Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF ARTS
M.A. Winter 2019 – 20 Examination

Semester: Semester 3   **Date: 25/11/2019**
Subject Code: 15203203   **Time: 10.30 am To 1.00 pm.**
Subject Name: Psychometrics and Practical   **Total Marks: 60**

Instructions:
1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Do as directed.   **(08)**
A. Multiple choice type questions. (Each of 0.5 mark)

1. Which of the following are not part of the Introduction in a journal article?
    (a) Background   (c) Statement of purpose
    (b) Hypotheses   (d) Measures
2. Which of the following describes a distribution with no mode?
    (a) trimodal   (b) bimodal
    (c) multimodal   (d) rectangular
3. Which of the following are correlated samples?
    (a) unpaired samples   (b) unmatched sample
    (c) within samples   (d) independent sample
4. Which of the following does not affect the robustness of a quantitative research?
    (a) method and philosophical understandings   (b) logical consistency
    (c) ethical considerations   (d) literature review
5. Which of the following is a part of the discussion of an article?
    (a) limitations   (c) hypotheses
    (b) participants   (d) procedure
6. Which of the following measures of tendency is used when one does not wish to allow extreme scores to affect the measure?
    (a) mean   (b) median
    (c) mode   (d) none of these
7. Which statistical technique is used to correct an inflated type I error problem?
    (a) t-test   (b) one-way ANOVA
    (c) Bonferroni technique   (d) two-way ANOVA
8. How long should an annotation be?
    (a) 200-300   (b) 150-300
    (c) upto 100   (d) 100-200
9. How do you compute the *df* for correlated samples t test?
    (a) n-1   (b) n-2
    (c) n+1   (d) n+2
10. _____ is defined as putting a passage from an author into your own words.
    (a) plagiarism   (b) quotation
    (c) paraphrasing   (d) acknowledging
11. Which of the following is not part of the method section of an article?
    (a) hypotheses   (c) participants
    (b) procedure   (d) materials
12. Which of the following can be considered to be a special case of the nominal variable?
    (a) ordinal   (b) rank
    (c) ratio   (d) dichotomous
13. First psychological laboratory establish in the year of _____
    (a) 1869   (b) 1879
    (c) 1868   (d) 1878
14. In which of the following are meta-analysis used to pool the results of individual studies?
    (a) narrative review   (b) best evidence review
    (c) systematic review   (d) status-quo review

15. Which type of correlation is used when one variable is raw scores and the other is dichotomous?
    (a) Biserial   (b) Point biserial
    (c) Phi   (d) Tetrachoric
16. Which of the following is not a way of writing the results of a study?
    (a) text   (c) tables
    (b) graph   (d) raw data

B. Terms/ Short notes/ Case study/ Charts/ Graphs/ Tables, etc. (Each of 01 mark) **(07)**
1. Differentiate between histogram and bar graph.
2. What is the difference between stratified random sampling and quota sampling?
3. What does little systematic tendency mean in terms of correlation?
4. Define "Operational definitions".
5. Define "Type I and Type II errors".
6. Define "plagiarism".
7. What are the components of introduction?

Q.2 Answer the following.
  A. How does one make inferences concerning two means? **(04)**
  B. Write a note on distributional shape **(04)**
  C. What are the elements that influence the believability of a quantitative research? **(04)**
                                        OR
  C. What are the components of an abstract? **(04)**

Q.3 Answer the following.
  A. Write a note on one way ANOVA. **(05)**
  B. Write a note on the measures of variability. **(05)**
  C. How do you assess paper quality? **(05)**
                                        OR
  C. Write a note on abstract. **(05)**

Q.4 Answer the following.
  A. Write a note on types of samples. **(06)**
  B. Write a note on reliability. **(06)**
  C. Elaborate on research design in quantitative research. **(06)**
                                        OR
  C. What are the components of a research article? **(06)**