Model Question Paper
MASTER OF PHYSICAL EDUCATION (M. P. Ed)
END TERM EXAM

Subject Title: ………………………………………………………………………

(Course Code : ……..) Total Marks: 60
Duration: 2 Hours

This paper contains 04 parts, A, B, C, D. Read the instruction before each part and answers the question accordingly.

PART- A: There are 10 question given in Part-A. All question are compulsory, each question is of 1 marks.

(1×10=10 Marks)

1. Which of the following is a form of research typically conducted by teachers, counselors, and other professionals to answer questions they have and to specifically help them solve local problems?
   (a) action research
   (b) basic research
   (c) predictive research
   (d) orientation research

2. How much confidence should you place in a single research study?
   (a) you should completely trust a single research study.
   (b) you should trust research findings after different researchers have found the same findings
   (c) neither a nor b
   (d) both a and b

3. Given below are some stages of acquisition of knowledge. Arrange them in a sequential order from the codes given below:
   I. Analysis     II. Information
   III. Evaluation IV. Application
   
   Codes:
   (a) I, II, III, IV
   (b) II, III, IV, I
   (c) IV, I, II, III
   (d) II, I, IV, III
4. Several types of sums of squares are used in calculation of an ANOVA. They are:
   I. Mean square
   II. Total sum of square
   III. Within groups sum of square
   IV. Between groups sum of square
   Select the correct sequence of these sums of squares from the code given below:
   Codes:
   (a) I, II, III and IV
   (b) II, III, IV and I
   (c) III, IV, I and II
   (d) IV, I, II and III

5. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R):
   **Assertion (A)**: Degrees of freedom are the numbers of scores in a sample that are free to vary.
   **Reason (R)**: ‘t’-value to test the level of significance depends on degrees of freedom. In the context of the above two statements, which one of the following is correct?
   (a) Both (A) and (R) are true, but (R) is not the correct explanation of (A).
   (b) Both (A) and (R) are true and (R) is the correct explanation of (A).
   (c) (A) is true, but (R) is false.
   (d) (A) is false, but (R) is true.

6. Given below are two statements; one is labelled as Assertion (A), and the other is labelled as Reason (R):
   **Assertion (A)**: Mode, is the most reliable measure of central tendency.
   **Reason (R)**: The score in a distribution that occurs with greatest frequency is called mode.
   In the context of the above two statements, which one of the following is correct?
   Codes:
   (a) Both (A) and (R) are true, but (R) is not the correct explanation of (A).
   (b) Both (A) and (R) are true and (R) is the correct explanation of (A).
   (c) (A) is true but (R) is false.
   (d) is false but (R) is true.

7. Which one of the following pairs is not correctly matched?
   (a) An indepth study of one or more individuals – Case study
   (b) Study of cause and effect relation – Survey method
   (c) Making observation of behaviour – Observation method
   (d) Assessing degree of relationship between two variables – Correlation Method
8. Which one of the following pairs is not correctly matched?
(a) Mean ---- is the "average" you're used to, where you add up all the numbers and then divide by the number of numbers.
(b) Median ---- is the "middle" value in the list of numbers. To find the median, your numbers have to be listed in numerical order, so you may have to rewrite your list first.
(c) Mode ---- is the value that occurs most often. If no number is repeated, then there is no mode for the list.
(d) Range ---- is just the highest number between the largest and smallest values.

9. Match List-I with List-II and select the correct option using the codes given below:

<table>
<thead>
<tr>
<th>List- I</th>
<th>List- II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Probability</td>
<td>i. An estimate of variability of the scores of a group around mean</td>
</tr>
<tr>
<td>(b) Standard error</td>
<td>ii. Degree of difference between each score and the mean</td>
</tr>
<tr>
<td>(C). Standard deviation</td>
<td>iii. Variability of sampling distribution of a statistic</td>
</tr>
<tr>
<td>(d) Variability</td>
<td>iv. The chance that a certain event will occur</td>
</tr>
</tbody>
</table>

(a) Codes : a b c d
(a) i iv iii ii
(b) iv iii ii i
(c) iii ii i iv
(d) ii i iv iii

10. Match List-I with List-II and select the correct option using the codes given below:

<table>
<thead>
<tr>
<th>List- I</th>
<th>List- II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) The denominator (bottom) of the z-score formula is</td>
<td>i. Range</td>
</tr>
<tr>
<td>(b) The standard deviation is:</td>
<td>ii. Mode</td>
</tr>
<tr>
<td>(C) The most frequently occurring number in a set of values is called the..</td>
<td>iii. The square root of the variance</td>
</tr>
<tr>
<td>(d) Which of the following is NOT a common measure of central tendency?</td>
<td>iv. The standard deviation</td>
</tr>
</tbody>
</table>

Codes: a b c d
(a) i iv iii ii
(b) iv iii ii i
(c) iii ii i iv
(d) ii i iv iii
PART-B: There are 5 questions given in Part-B. All questions are compulsory, each question carries 03 marks, should not exceed 50 words. (3×5=15 Marks)

11. What do you understand by research in the field of physical education?
12. Define the problem in research.
13. Explain the structure of Historical research.
14. Define the cluster sampling.
15. Define primary data of research.

PART-C: There are 5 questions given in Part-C. Attempt only THREE, each question carries 05 marks, should not exceed 200 words. (5×3= 15 Marks)

16. Answer any three of the following questions:
   (a) Explain the criteria’s for selection of the problem.
   (b) Discuss the types of Research? Explain structure of historical research.
   (c) Elaborate about the types of Data? Explain the process of data collection with suitable examples.
   (d) Explain the experimental research in details.
   (e) Explain the features of experimental design in the field of physical education.

PART-D: This part contains 03 questions, Choose any ONE to answer. Marks allotted are 20, should not exceed 500 words. (20×1= 20 Marks)

17. Answer any one of the following questions:
   (a) Define sampling in detail with suitable example.
   (b) Explain in detail about non-probability methods of sampling.
   (a) Process of research proposal