QUESTION BANK,

NAMBOL L. SANOI COLLEGE, NAMBOL
DEPARTMENT OF EDUCATION

Dr. Kh. Kesho Singh
Asst. Professor,

EDUCATION
(Honours)
TENTH PAPER
(Practical)

(Experimental Education and Statistics)

Answer any two questions selecting one from each half
(Each question carries 20 marks, viva voce 15 marks and notebook 15
marks for each half) Write-tbe answer on a separate answer script supplied to you.

First Half
(Experimental work and Test Administration)

Long Answer 20 marks.

1. Determine experimentally the nature of progress of a subject in learning by trial and error through the use of a human maze.

2. Find out experimentally the span of immediate memory for non-sense syllables of a subject and prepare a report.   2017

3. Conduct an experiment to measure the I.Q of your subject by using any verbal test. Write the whole procedure.   2017

4. Conduct an experiment to show the imaginative power of your subject by using Free Association Test. Describe the various steps involved.

    2017

5. Assess the personality of your subject by using Rorschach's Ink Blot Test or Thematic Apperception Test, Describe the whole procedure.

(Experimental work and Test administration)

1. Determine experimentally the immediate memory span for digits of a subject and prepare a report. 2018

2. Determine experimentally mirror learning of a subject by using mirror-tracing apparatus and show graphically learning and error. 2018

3. Conduct an experiment of recall and recognition. Describe the various steps involved in the experiment. 2018

4. Find out experimentally an individual's nature of progress in learning by using a human maze. 2018

5. Determine experimentally the presence of emotional complexes in a subject by using ink-blot test. Describe the whole procedure. *2018*

6. Conduct an experiment to determine some of the personality traits of your subject by using TAT orInk-blot Test. Describe the whole procedure. **2019**

7. Conduct an experiment to find out the rates of mental fatigue encountered at different stages while preforming a mental work. Describe the whole procedure. 2019

8. Find out experimentally the span of immediate memory for non-sense syllabus of a subject and prepare a report. 2017, 2019

9. Determine experimentally the nature of progress of a subject in learning by trial and error through the use of a human *maze.* Write the whole procedure. 2019

10. Find out experimentally the mental ability (IQ) of a subject by using any intelligence test. Describe the whole procedure. 2019

1. Determine experimentally, the span of immediate memory for digits of a subject and prepare a report. 2018, 2020

2. Conduct an experiment on sensory motor learning of a subject by using mirror-tracing apparatus and show graphically learning and error.

3. Determine experimentally the presence of emotional complexes in a subject by using inkblot test. Describe the whole procedure. 2020

4. Determine the level of intelligent quotient (IQ) of a subject by using Alexander Pass Along Performance Test. 2020

5. Conduct an experiment on the nature of controlled association of a subject with reference to a list of words. 2020

6. Find out experimentally the span of immediate memory for nonsense syllable of a subject and prepare the report. 2017, 2019, 2021

7. Conduct an experiment to find out the rates of mental fatigue encountered at different stages while performing a mental work. Describe the whole procedure. 2021

8. Determine experimentally the immediate memory span of the subject for digits. 2021

9. Show experimentally the coloured preference test by the method of paired comparisons preferences for selected single colour and selected coloured combinations. 2021

10. Study experimentally the presence of complexes in a subject by using free word association test. 2021

9. Calculate the grade norm (mean score) of class IX in a school of which 40 students have secured the following test scores. Describe the steps involved in the calculation : 2019

Class interval	Frequency
80-84	2
75-79	2
70-74	2
65-69	4
60-64	5
55-59	9
50-54	6
40-44	4
35-39	2
30-34	4

----

n=40

10. The following are the results of a test/re-test programme conducted on class VIII students. Find out the reliability coefficient. Describe the basic steps involved in the calculation: 2019

Test	re-test
78	76
81	78
77	81
58	67
47	58
66	69
59	60
68	67
56	57
76	75
765	62
70	60

Second Half

(Test Development and Statistical Indices)

Long Answers 20 marks each.

1. Calculate the Grade Norm (Mean Score) of Class IX in a school of which 40 students have secured the following test scores: 2017

Test Scores	F
80-84	2
75-79	2
70-74	3
65-69	4
60-64	6
55-59	7
50-54	5
45-49	4
40-44	3
35-39	3
30-34	1

_____

N=40

2. Suppose you have constructed an achievement test for class and you have administered the test on two occasions separated by a gap of 20 (twenty) days. Also suppose that the following are the results of your test/retest:

Students:	1	2	3	4	5	6	7	8	9	10
Test scores:	70	55	60	65	50	45	45	40	35	30
Retest scores:	64	61	57	56	57	59	49	46	39	32

Find out the reliability of the achievement test you have constructed. 2017

3. Construct an achievement test consisting of 50 test items in Manipuri for class VI. Explain and justify the steps followed in the construction.

2017

4. Find out the co-efficient of correlation between the two subjects by using Rank-Difference method, Interpret the co-efficient value:

Students	History	Civics
A	80	82
B	45	86
C	55	50
D	56	48
E	58	60
F	60	62
G	65	64
H	68	65
1	70	70
J	75	74
K	85	90

(Test Development and Statistical Indices)

5. Find out the correlation between the two sets of scores given below, using the product moment method : 2018

Students	History	Geography
A	30	26
B	40	38
C	38	35
D	35	30
E	28	30
F	40	36
G	35	30
H	20	20
I	34	28
J	45	40

Interpret the coefficient

6. Prepare 50 test items carrying I(one) mark in Manipuri for class VII. Justify the steps you have followed.2018

7. Calculate the grade norm (mean score) of class VIII in a school of which 50 students have secured the following test scores : 2018

Class Interval	Frequency
55-59	1
50-54	1
45-49	3
40-44	4
35-39	6
30-34	7
25-29	12
20-24	6
15-19	8
10-14	2

_____

N=50

8. Suppose you have constructed an achievement test for class IX and you have administered the test on two occasions separated by a gap of 20 days. Also suppose that the following data are the results of your test/retest : 2018

Students	1	2	3	4	5	6	7	8	9	10	11	12
Test Scores :	60	34	40	50	45	41	22	43	42	66	64	46
Retest Scores :	75	32	34	40	45	33	12	30	36	72	41	57

Find out the reliability of the achievement test you have constructed.

11. Prepare 50 test items carrying 1 mark in English for class VI. Justify the steps you have followed.   2019

12. Find out the correlation between the two sets of scores given below, using the product moment method. Describe the steps involved in the calculation :
2019

Students	English	Manipun
A	40	36
B	50	48
C	48	45
D	45	40
E	38	40
F	50	46
G	45	40
H	30	30
1	44	38
J	55	50

13. Compute the average deviation from the following frequency distribution and write the whole procedures :   2020

Class interval	Frequenc
55-59	1
50-54	1
45-49	3
40-44	4
35-39	6
30-34	7
25-29	12
20-24	6
15-19	8
10-14	2

14. Compute the correlation between the two sets of scores given below by product moment method of the ungrouped scores. Interpret the result : 2020

Test—I	Test—II
15	60
25	70
20	40
30	50
35	30

15. Compute quartile deviation from the following frequency distribution of 60 students of ass XI of a higher secondary school : 2020

Class interval	Frequency
52-55	1
48-51	0
44-47	5
40-43	8
36-39	18
32-35	11
28-31	8
24-27	2
20-23	3
16-19	4

16. Conduct an experiment to find out the social structure of a group by means of sociogram. Show it in target diagram. 2020

17. Calculate the co-efficient of correlation by rank difference method of the scores of eleven students given below and interpret the result: 2021

Students	A	B	C	D	E	F	G	H	1	J	K
Test 1	76	72	74	69	67	70	61	65	58	57	54
Test 2	94	96	84	92	85	90	83	79	80	78	72

18. Prepare a test paper of different test items carrying 50 marks in social science for class VI. Justify the steps you have followed. 2021

19. Conduct an experiment to find out the social structure of group by means of sociogram (Target diagram). 2021

20. Calculate the grade norm (mean score) of class V in a school of which 50 students have secured the following test scores. Describe the steps involved in the calculation, 2021

Class of interval	Frequency
70-74	1
65-69	2
60-64	3
55-59	8
50-54	11
45-49	9
40-44	6
35-39	4
30-34	2
25-29	1