
II. (i) Observation and Report. (ii) Observation and Description. (iii) Testimony.

III. (i) Qualitative and quantitative study of Affection and Conation. (ii) Reaction Time experiment. (iii) Measurement of Psychogalvanic Reflex. (iv) Interview.

IV. (i) Practical exercises in the application of Psychological and Educational (including) Instructional Tests. (ii) Practical exercises in the preparation of Case Studies and in the technique of educational and vocational guidance. (iii) Practical exercises in the preparation of Progress Record Card and its uses.

NOTE: All experiments shall be done by the candidates themselves. Each candidate will maintain a record of experimental work done by him.

MYSORE UNIVERSITY: MENTAL & EDUCATIONAL MEASUREMENTS:

(A) INTRODUCTORY: 1. Inaccuracies in the current system of marking and examinations. Unreliability of estimates of intelligence and character traits. Essentials of valid measurements. 2. Some simple statistical concepts and devices such as the Normal Curve of Distribution, the Median, the Semituter quartile range, the Probable Error and the Foot-rule method of correlation.

(C) EDUCATIONAL MEASUREMENTS: 1. Tests suitable for the primary and middle schools such as Reading, Spelling, Grammar, Composition, Arithmetic, etc.. 2. Attainment tests suitable for High School Grades for subjects such as History, Geography, Science, etc.. 3. Principles of educational test construction. Establishment of norms. The value of limitations of new examination methods.

BOMBAY UNIVERSITY: PAPER I: THEORY OF EDUCATION: SECTION II.
EXPERIMENTAL PSYCHOLOGY AND STATISTICAL METHODS:-
NOTE:- With regard to items 8 to 13 above, stress should be laid on statistical methods; students should be required to work out only easy examples involving the methods).
PRACTICAL WORK:- Simple experiments on Intelligence, Association, Memory, Attention, Perception, Imagery, Imagination, Reasoning, Learning, Fatigue, Suggestion and Perseveration.
DEPARTMENT OF PUBLIC INSTRUCTION, ALLAHABAD: PAPER IV:
EXPERIMENTAL EDUCATIONAL PSYCHOLOGY: - Nature of Modern Experimental Psychology - Its objective and experimental approach; Methods of Experimental Psychology - their precautions and conclusions; Place of Experimental Psychology in Educational Practice.
The Study of Sensations.
Vision sensations - Intensity, hue and sensation-colour mixing. Phenomena of successive and simultaneous colour contrasts - After sensation.
Hearing - Noises and musical sounds - Pitch discrimination - Skin sensations - Heat, Cold, Touch and Pain spots.
The Spatial Threshold.
Sensation of taste and smell.
Kinaesthetic sensations - size - weight illusion.
The study of action - Level of action - Experiments on Reaction Times - The Conditioned Responses - Pavlov's & Watson's Experiments - Their significance.
Work & Fatigue - Nature of fatigue - Muscular work - The work curve - Methods of investigation of mental fatigue.
Feeling & Emotion - Experimental methods of Study Methods of Impression - Methods of Expression - The Psychogalvanic Expt.
Judgment of Facial Expressions.
Learning - Trial and Error Learning - Thorndike's Experiments - Trial and Error Learning in Human Being - Insight Learning - Kohler's Experiments - Improvement in Learning-
Permanent Memory - Methods of investigation - Recall and recognition - Retention - Curve of forgetting - Distribution of Learning periods - Memory - Forms - Memory for Meaningful Material - Retroactive Inhibition

Interference.


Elementary Statistical Treatment of Results - The Mean Median and Mode - Standard Deviation - The Normal Distribution Curve - Coefficient of Correlation.

List of Experiments to be performed by the students:

1. Free Association by the Continuous Method.

2. Free Association by the Word List Method.


4. Completely Constrained Association. (Thinking)

5. (a) Learning Method of Substitution.

(b) Learning by the Method of Trial and Error (Mirror Drawing).

6. Perception and Reading (Tachistoscope Experiment).

7. Perseveration in Memory.

8. To determine the Spatial Threshold (Method of Series).

9. Immediate Memory.

10. (a) Relation between speed and accuracy.

(b) Recognition and Recall in Memory.

II. Permanent Memory (including Methods of Memorization)

12. (a) Administer - of Psychological Test.

(b) To give a Test of Intelligence (Individual or Group).

II. EDUCATIONAL ADMINISTRATION: Central and Local control of education, advantages and disadvantages. (1) England: (a) Central Control: The Board of Education, its organisation and function. The inspectorate. (b) Local Control: The Borough and County Councils Education Committee - their powers and responsibilities. Relation of Central and Local authorities. (2) U.S.A.: The Federal Agencies for education. Decentralization. Recent tendencies towards centralization within each state. Local Bodies in each state. (3) INDIA: (a) Central Control: Centralization of control within each province. The Minister of Education. The D.P.I. The Inspectorate. (b) Local Control: District Boards and Municipalities. Their power and responsibilities.


VIII. WOMEN'S EDUCATION: A brief survey of the development of educational facilities for women in England and U.S.A., together with the special features of women education in these countries. India: Problem of women education. Signs of awakening ideals of Indian womanhood. The problem of co-education. Aim, organisation, curriculum, and present tendencies in women education.


X. ADULT EDUCATION: Aims, contents, methods and organisation of adult schools in Denmark, England, U.S.A., Germany and Japan. The problem in India with special reference to methods of rapid literacy and propaganda regarding the value of education, social and liberal nature of adult education.

XI. STUDY OF SPECIAL FEATURES & PROBLEMS: to be prescribed from year to year, e.g., in 1946: The essay on education by Herbert Spencer.
BIHAR:

(A) Private High Schools: Headmaster Rs 100/- Assistant Headmaster Rs 75/-. Trained graduate Rs 50/-. Untrained graduate Rs 40/-. Trained Intermediate Rs 45/-. Untrained Intermediate Rs 40/-. and Matric C.T. Rs 30/-.


BENGAL:

(A) Recognised Schools: Headmasters of Calcutta Schools Rs 80/- H.M. for Mofussil School Rs 40/-. In Middle Schools the salary ranges between Rs 35/- and Rs 15/- in urban areas and between Rs 25/- and Rs 10/- in rural areas.

(B) Government High Schools: Headmasters Rs 150 to 700. Asstt. Headmaster Rs 130 to 220. Assistant Master Rs 75 to 175. Teachers of Classical Languages Rs 60 to 140.

BOMBAY:

(A) Secondary Teachers: Trained graduates Rs 60 to 80. Untrained graduates Rs 40 to 90. Matriculates Rs 25 to 40.

(B) Primary School Teachers:

<table>
<thead>
<tr>
<th>District Local Board &amp; Non-Local Authority Municipal Area.</th>
<th>Local Authority Municipal Area.</th>
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</thead>
<tbody>
<tr>
<td>Teachers passing the 3rd Year Training College Examination.</td>
<td>30-1/2-35-1-50.</td>
</tr>
<tr>
<td>Teachers passing the 2nd Year Training College Examination.</td>
<td>25-1/2-30-1-40.</td>
</tr>
<tr>
<td>Teachers passing the 1st Year Training College Examination.</td>
<td>20-1/3-25-1-30.</td>
</tr>
</tbody>
</table>

Trained and qualified teachers.

untrained but qualified
C.P. & B.S.M.A.


(B) Government Secondary Schools: Heads of High Schools. Rs 200-10-250. Heads of Indian English Middle Schools. Rs 90-4-1

Trained Graduate Assistant Teachers: Upper Division 1st Grade Rs 170-5-200 (New Scale). Upper Division 2nd Grade Rs 70-4-150 (New Scale). Trained under-graduate Assistant Masters. Rs 100-5-125 (Old Scale). Lower Division Select Grade Rs 60-60-2-100 (Old Scale). Lower Division Ordinary Grade. Rs 90-4-110 (New Scale). Lower Division 1st Grade. Rs 50-50-2-90 (New Scale). Lower Division 2nd Grade.

MADRAS:


(2) High Schools under Local Boards & Municipalities: Headmaster's Grade - Rs 110-10/2-170. L.T's Grade - Rs 60-5-120.

Pandit's Grade - Rs 45-2/2-75. Secondary Grade Trained Teacher Rs 30-2/2-50.

(C) AIDED Institutions: Headmasters - Grade varies between Rs 80-4-120 to Rs 150-10-200. L.T. Assistant teachers' grade varies between Rs 40-2/2-60 to Rs 30-4-120.

UNITED PROVINCES:

(A) Government Institutions: (From July 1, 1945): Headmaster or Principal - Provincial Service Class II Grade - Rs 300-20-400-E.B.-40-60-100. Trained graduates - Rs 120-10-150-100-10-150. Trained under-graduates, Language teachers, etc. - Rs 75-5-100-E.B.-5-120-E.B.-8-200. Untrained graduates and under-graduates - 2/3rd of the above grades respectively.

(B) Government-aided Private High Schools & Inter Colleges:
Trained under-graduates - Rs 75-5-110-E.B.-6-140-E.B.-7-175.

Untrained graduates and under-graduates - 2/3rd of both scales.

The recommendations of the Central Pay Commission (Part III, page 246) are as follows:

Teachers in Primary Schools, if untrained Rs 35-1-40-2-60.

Trained teachers in Primary Schools, Vernacular Basic Schools, A.V. Schools and teachers in the Middle Classes of High Schools - Rs 40-2-60-3/2-75 (Non-matriculates), Rs 55-3-80-4-125-5-130 (Matriculates), Rs 64-4-80-5-150 (Intermediates).

Graduate teachers in High Schools - Rs 80-5-120-8-200-10/2-220 with an initial pay of Rs 100/- for trained B.Ts, and Rs 120/- for persons with graduate qualifications.

Graduate Teachers in High Schools - Selection Grade - Rs 150-15-300, Rs 250-15-400 for teachers possessing qualifications similar to college lecturers.

Headmasters: (a) Primary Schools - Rs 60-3/2-75, Rs 75-3-105, and Rs 100-5-120 according to the size of the school.
(b) Middle Schools - Vernacular and Anglo-Vernacular - Rs 100-5-120, and Rs 120-8-160 according to the size of the school.
(c) High Schools - Rs 200-10-300, Rs 300-20-400, and Rs 400-20-500 according to the size of the school and the number of pupils on roll.


The following Scales of Pay should reveal how our position compares with our confreres belonging to some of the foreign countries, e.g., England, Russia and U.S.A.

**ENGLAND:** Burnham Committee's Revised Scales, April 1, 1945.

Qualified Assistant Teachers - Men: £ 300-10-525; Women: £ 270-12-420

Maximum for Head Teachers (the numbers in the school roll being in parentheses) are: - Grade I (upto 100) - Men £ 570, Women £ 460/-.
Grade II (100-200) - Men £ 615, Women £ 500/-.
Grade III (200-350) - Men £ 660, Women £ 540/-. Grade IV (350-500) - Men £ 705, Women £ 580/-. Grade V (over 500) - Men £ 750, Women £ 620/-.
RUSSIA:

Salaries are based on a working norm, which varies for the different grades. For the primary schools it is 90 hours a month and for incomplete secondary schools 72 hours a month and for secondary schools 48 hours a month. There is a periodic increase in salary every five years after five years' service and up to twenty years' service. The rate of increase is 72 roubles a year for those with university or special training and 60 roubles a year for others belonging to primary schools. For teachers in secondary schools with a university training, the rate of increase is 150 roubles a year, for others 100 roubles. Directors and Heads of Schools receive one and a half times as much pay as a class teacher. The salaries vary slightly in different areas. In Moscow, on October 1st, 1935, primary teachers were receiving 171 roubles a month, while in the provinces the salary was 133 roubles. For Secondary School teachers in Moscow the average salary was 307 roubles a month, for those in the provinces 261 rouble a month.

UNITED STATES OF AMERICA: Statement showing the average salaries per annum in dollars, for 1942-43:

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<tr>
<th>In cities with Elementary</th>
<th>Junior High</th>
<th>High School</th>
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</thead>
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<tr>
<td>In population of Schools</td>
<td>Teachers</td>
<td>Teachers</td>
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<td>1257</td>
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<tr>
<td>5000 to 10000</td>
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<td>30000 to 100000</td>
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<td>Over 100000</td>
<td>2422</td>
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### APPENDIX C

#### (i) Growth of training facilities in different provinces.

##### MADRAS PROVINCE

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<th>YEAR</th>
<th>TRAINING COLLEGES</th>
<th>MEN SCHOLARS</th>
<th>TRAINING SCHOOLS</th>
<th>PUPILS</th>
<th>WOMEN TRAINING INSTS.</th>
<th>PUPILS</th>
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##### BOMBAY PROVINCE

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### United Provinces

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**G.P. & BERAR**

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