

A P P E N D I C E S

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- A.5. Experimental questionnaire for High School stage and Post-graduate stage.

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- B.2. Scores of Short answer test - High School stage.
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- B.4. Scores of Viva-Voce test - High School stage.
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Post-Graduate Department of Education

University of Jammu

Short Answer Type Test in History

for

High School Stage



Researcher
Harat Bhushan Sharma

Guide
Dr. M. Varma
Senior Professor & Dean

पेज मांगी गई सूचना भर दीजिए ।

नाम

कक्षा सेवानाम

स्कूल का नाम

इकाई (खण्ड)

दिनांक तथा तारीख

निर्देश

1. इस प्रश्न-पत्रिका में केवल 6 प्रश्न दिए गये हैं ।
2. आप को सभी प्रश्नों के उत्तर देने हैं ।
3. प्रत्येक प्रश्न का उत्तर आठ (8) पंक्तियों से अधिक नहीं होना चाहिये ।

यदि कुछ पूछना हो तो पूछिये ।

प्रश्न 1. आर्यों की संस्कृति और सभ्यता का संक्षिप्त उल्लेख कीजिए ?

उत्तर :

प्रश्न 2. आर्यों के शासन प्रबन्ध का वर्णन कीजिए ?

उत्तर :

3. आयों के रहन-सहन का संक्षिप्त वर्णन करिये ?

र :

4. चन्द्र गुप्त मौर्य के राज्य प्रबन्ध का वर्णन कीजिए ?

र :

प्रश्न 5. अशोक को सम्राट महान क्यों कहा जाता है ?

उत्तर :

प्रश्न 6. अशोक के बुद्धधर्म के प्रचार का संक्षिप्त उल्लेख करिये ?

उत्तर :

**Post-Graduate Department of Education
UNIVERSITY OF JAMMU**

**Objective Type Test in History
For
High School Stage**



Researcher

Dr. Rat Bhushan Sharma

Guide

**Dr. M. Varma
Senior Professor & Dean**

निम्नलिखित सूचना पढ़िए:—

नाम
संस्थान
पता
संस्थान (.....)
दिनांक

प्रश्नपत्र में 25 प्रश्न हैं। आप को सभी प्रश्नों के उत्तर देने हैं।

प्रश्न के चार उत्तर दिये गए हैं। इन चारों में से केवल एक ही उत्तर ठीक है। आप हर प्रश्न को ध्यानपूर्वक पढ़ें और उत्तर के विकारानुसार जो सही उत्तर हो उस के सामने (✓) टिकमार्क लगाएं।

उदाहरण:—

प्रश्न—भारत के इतिहास को कितने भागों में बांटा गया है ?

- क. पांच
✓ ख. तीन
ग. चार
घ. एक

उदाहरण में प्रश्न का सही उत्तर तीन है जो "ख" विकल्प के सामने दिया है। इस लिये "ख" पर सही (✓) का टिकमार्क लगाया है।

सही उत्तर का चयन न करें ही ली वृत्ति।

जब तक कहा न जाए पन्ना भिन्न उत्तर।

प्रश्न

उत्तर

आर्य भारत में किस देश से आए ?

- क) मध्य योरोप । ख) उत्तरी द्रुव देश ।
ग) पंजाब । घ) मध्य ऐशिया ।

भारत आने के बाद आर्य लोग कहाँ

क) हिमालय के दामन में ।

बस गए ?

ख) गंगा और सिंध के मैदान में ।

ग) पानीपत के मैदान में ।

घ) सिंध की पहाड़ियों में ।

आर्यों से पहले भारत में कौन लोग रहते थे ?

- क) मुस्लिमान । ख) इसाई ।
ग) कोल द्राविड़ । घ) पारसी ।

आर्य काल में राजा की सलाह के लिए

क) चार । ख) तीन ।

कितनी समितियाँ थीं ?

ग) पाँच । घ) दो ।

वेदों के कितने भाग हैं ?

- क) छः । ख) चार ।
ग) दो । घ) पाँच ।

ऋग्वेद में कितनी ऋचाएँ हैं ?

- क) 500 ख) 800
ग) 2028 घ) 2250

हवन के अवसरों पर पढ़े जाने वाले मन्त्र

क) यजुर्वेद । ख) सामवेद ।

किस पुस्तक में दिये गये हैं ?

ग) उपनिषद । घ) पुराण ।

आर्य अपनी बस्तियाँ कहाँ बसाते थे ?

- क) नदी की घाटियों में । ख) शहरों में ।
ग) कस्बों में । घ) जंगलों में ।

आर्य अपने बड़े मुखिया को क्या कहते थे ?

- क) वंशु । ख) राजा ।
ग) पिता । घ) शासक ।

मुखिया सैनिक प्रबन्ध में किस की

क) सरदारों की । ख) ग्रामीणों की

सहायता लेता था ?

ग) जनता की । घ) सेनापति की ।

प्रश्न

उत्तर

शौर्य संग्राम में किन शस्त्रों का उपयोग करते थे ?

- क) धनुष बाण । ख) तलवार ।
ग) भाला । घ) पत्थर ।

शौर्यों का प्रमुख शौक क्या था ?

- क) लड़ाई । ख) नाच गाने ।
ग) पूजा । घ) उत्सव ।

शौर्य प्राकृतिक शक्तियों की पूजा कहां करते थे ?

- क) मन्दिरों में । ख) जंगल में ।
ग) नदी किनारे । घ) अपने घर में ।

शौर्य वंश की नींव किस ने रखी ?

- क) अजात शत्रु । ख) प्रसेनजित ।
ग) चन्द्रगुप्त मौर्य । घ) धनानन्द ।

शौर्य वंश की नींव किस इसाई सम्बन्ध में रखी गई ?

- क) 222 ई० पू० ख) 322 ई० पू०
ग) 300 ई० पू० घ) 410 ई० पू०

हेल्यूकस ने जिस दूत को चन्द्रगुप्त के दरबार में भेजा उस का क्या नाम था ?

- क) ह्यून सांग । ख) फ्राहियाम ।
ग) मैगस्थनीज । घ) चाणक्य ।

चन्द्रगुप्त के राज्य का पूरा हाल किस पुस्तक में दर्ज है ?

- क) इण्डिका । ख) धर्मशास्त्र ।
ग) मुद्रा राक्षस । घ) उपनिषद् ।

चन्द्रगुप्त मौर्य के बाद कौन तल्लत पर बैठा ?

- क) बिम्बसार । ख) अशोक ।
ग) उदयन । घ) बिन्दुसार ।

अशोक किस वंश से सम्बन्ध रखता था ?

- क) मौर्य वंश । ख) गुप्त वंश ।
ग) राजपूत वंश । घ) कुशान वंश ।

अशोक किस सन् में तल्लत पर बैठा ?

- क) 261 ई० पू० ख) 345 ई० पू०
ग) 322 ई० पू० घ) 273 ई० पू०

प्रश्न

उत्तर

अशोक के जीवन में किस युद्ध ने एक बड़ा परिवर्तन किया ?

- क) कलिंग युद्ध । ख) मगध युद्ध ।
ग) उज्जैन युद्ध । घ) पलासी युद्ध ।

अशोक ने युद्ध के परिणामों से प्रभावित होकर कौन सा धर्म अपनाया ?

- क) जैन धर्म । ख) बौद्ध धर्म ।
ग) हिन्दू धर्म । घ) इसाई धर्म ।

अशोक ने अपने राज्य का कितने प्रांतों में बांटा था ?

- क) चार । ख) तीन ।
ग) छः । घ) पांच ।

अशोक ने जिन लोगों को धर्म के प्रचार के लिए नियुक्त किया, उन को क्या कहा जाता था ?

- क) पुजारी । ख) विष्णु ।
ग) महात्मा । घ) प्रचारक ।

अशोक ने बुद्धमत के प्रचार के लिए जो स्तूप बनवाए, उन सब में प्रसिद्ध स्तूप कौन सा है ?

- क) बनास स्तूप । ख) संपी स्तूप ।
ग) उज्जैन स्तूप । घ) कनारी स्तूप ।

Post-Graduate Department of Education
University of Jammu

Short-Answer Type Test In History
For
Post-Graduate Stage



Researcher
Harat Bhushan Sharma

Guide
Dr. M. Varma
Senior Professor & Dean

Please give required Information : —

Name.....

Class.....

Subject.....

University.....

Age (Approximately).....

Day & Date.....

Instructions : —

Here are given a few questions, you are required to give your answer briefly to each question in a short paragraph of not more than ten (10) lines.

Q. 1. What circumstances led to the fall of the Nanda Dynasty and the rise of Chandra Gupta Maurya ?

Ans.

Q. 2. Describe briefly the significant features of the reign of Chandra Gupta Maurya ?

Ans.

3. What led Ashoka to conquer Kalinga ?

Ans.

4. State briefly the main features of the Govt. of India Act, 1935 ?

Ans.

Q. 5. State briefly the powers and position of the Governor General according to the Govt. of India Act, 1935 ?

Ans.

Q. 6. State critically the main features of the Dyarchy contemplated at the centre under the Act of 1935 in India ?

Ans.

Post-Graduate Department of Education

~~APPENDIX - A-4~~

University of Jammu

Objective Type Test in History for Post Graduate Stage



Researcher
Bharat Bhushan Sharma

Guide
Dr. M. Varma
Senior Professor & Dean

Please give required information :—

Name.....

Class.....

Subject.....

University.....

Age (Approximately).....

Day & Date

Instructions :—

There are a large number of items in this test, you are required to answer all of them. You have to work fast. Do not, therefore stay too long on one item. Give answer you know to be correct, do not guess or take a chance.

There are four alternatives to each item, only one alternative is correct out of four. Please read each question carefully and indicate by drawing a circle around the letter which precedes the answer you regard as correct.

Example

In How many castes was Indian society divided by Manu ?

- a. Six
- b. Three
- c. Four
- d. Five

The correct answer is C which is indicated by a circle.

Please do not turn over the page till you are told to do so.

Questions

Answers

- 1 Who was the first king of the Mauryan Dynasty ?
a. Bimbisara b. Alexander
c. Chandra Gupta Maurya
d. Ajat Shatru
- 2 Who was the minister of Chandra Gupta Maurya ?
a. Kanishka b. Shankracharaya
c. Udyabhadra d. Chanakya
- 3 What for was Chandra Gupta Maurya famous ?
a. Conquests b. Religious policy
c. Revenue reforms d. Patronage of acts
- 4 In which year did Chandra Gupta Maurya defeat Seleucus Nicator ?
a. 345 B.C b. 306 B.C
c. 304 B.C d. 304 B.C
- 5 In which year did Chandra Gupta Maurya over throw the Nanda dynasty?
a. 335 B.C b. 324 B.C
c. 316 B.C d. 322 B.C
- 6 What was the strength of the army of Seleucus ?
a. 800,000 b. 600,000
c. 700,000 d. 900,000
- 7 What was the name of the Amabassador who was sent by Seleucus Nicator to the court of Chandra Gupta Maurya?
a. HienTsang b. Faiehan
c. Magasthenese d. Kalidas
- 8 Which king brought political and national unity to India after the Greek invasions ?
a. Kanishka b. Chandra Gupta Maurya
c. Ashoka d. Bindusara
- 9 What was the secret of Chandra Gupta Maurya's ability to win over his enemies?
a. Diplomacy b. Vindictiveness
c. Spynig d. Shrewdness
- 10 Which is the main source of the history of Mauryan empire ?
a. Inscription b. Darsana
c. Indika d. Rig Veda
- 11 Who had launched war on Kalinga ?
a. Bindusara b. Ashoka
c. Alexander d. Harsh
- 12 What is the date of the war of Kalinga ?
a. 210 B.C b. 275 B.C
c. 268 B.C d. 261 B.C

Questions

Answers

- 3 How many men were slain in the war of Kalinga ? a. 100,000 b. 90,000
c. 200,000 d. 100,00
- 4 What was the effect of the kalinga war on Ashoka ? a. Adoption of Jainism b. Adoption of Hinduism
c. Adoption of Buddhism d. Social reformer
- 5 Under which act was Dyarchy at the centre introduced in India by the British ? a. 1929 b. 1935
c. 1813 d. 1939
- 6 In how many constituent units (Provinces) was India divided under the Act of 1935 ? a. 15 Provinces b. 12 Provinces
c. 11 Provinces d. 7 Provinces
- 7 In whom were discretionary powers vested to appoint and dismiss the council of Ministers ? a. British King b. Secretary of State
c. Governor d. G. General
- 8 How many ministers could the Governor General appoint in the council of states ? a. 12 b. 15
c. 10 d. 8
- 9 How many members constituted the council of states ? a. 500 b. 260
c. 280 d. 225
- 10 Who was empowered to make amendment in the Act of 1935 ? a. King b. Governor
c. G. General d. Secretary of State
- 11 What was the percentage of the total population which got the right to vote under the provisions of the Act of 1935 ? a. 25% b. 10%
c. 5% d. 15%
- 12 What was the nature of the electorate which the Act of 1935 provided ? a. Democratic b. Secular
c. Socialistic d. Communal

Questions

Answers

- 23 Who could make laws on federal subjects under the Act of 1935 ?
- a. British Parliament
b. Provincial Legislature
c. Federal Legislature
d. Lower House
- 24 What type of courts were established to adjudicate the inter-state disputes ?
- a. Liberal courts
b. Federal courts
c. Provincial courts
d. Regional courts
- 25 How many Judges were there in the federal type of courts ?
- a. Eight
b. Five
c. Fifteen
d. Six



Post-Graduate Department of Education University of Jammu

Guide

Questionnaire

Dr. M. Varma
Senior Professor & Dean

History as a discipline is close to literature. Inevitably there is a degree of subjectivity in assessment of performance in history examinations. Various proposals of improvement of history examination are in the field. The present questionnaire is part of a research project aimed at examining under experimental conditions the relative merits of these proposals. The researcher will be grateful if you kindly complete this questionnaire and return it to him at your early convenience. Your considered responses and kind co-operation will enable us to see more clearly the problems connected with reform of examination in History at High School and college levels.

Your are assured that your responses will be treated as confidential matter to be used anonymously as research data only.

Bharat Bhushan Sharma
Research Scholar

Please complete the following :-

1. Name Dr./Mr./Miss/Mrs
2. Name of the school/college
3. Qualifications
4. Experience
5. Day and Date

A. In your teaching of History if you aim at one or more of the following objectives. Kindly indicate by a tick-mark the degree of its importance or lack of it in your opinion.

- | | | | |
|---|-----------|------|---------------|
| 1. That a maximum number should pass well in the paper at the examination. | Very Imp. | Imp. | Slightly Imp. |
| 2. That they should come to develop an abiding taste for History. | Very Imp. | Imp. | Slightly Imp. |
| 3. That the study of History should acculturate and humanise them. | Very Imp. | Imp. | Slightly Imp. |
| 4. That it should make them good and patriotic citizens. | Very Imp. | Imp. | Slightly Imp. |
| 5. That it should foster in them an international and cosmopolitan outlook. | Very Imp. | Imp. | Slightly Imp. |
| 6. That they should see History as a movement of economic process according to the Marxian formula. | Very Imp. | Imp. | Slightly Imp. |
| 7. That it should acquaint them with the progress of mankind. | Very Imp. | Imp. | Slightly Imp. |
| 8. That they should see in human affairs the fulfilment of a divine purpose. | Very Imp. | Imp. | Slightly Imp. |
| 9. That they should have an accurate knowledge of the past of mankind. | Very Imp. | Imp. | Slightly Imp. |
| 10. That they should regard human History as a chain of cause and effect relationship. | Very Imp. | Imp. | Slightly Imp. |
| 11. That they should regard History as a series of biographies of greatmen. | Very Imp. | Imp. | Slightly Imp. |

B. Which of the following Method/Methods/Devices do you use in History teaching? Kindly indicate by a tick-mark against each.

1. Lecture
2. Question and Answer
3. Visual Aid like maps, models, black-board, sketches & charts.
4. Activities like Dramatisation, Visits to places of historical importance.
5. Use of source material.

C. Of the following which kind of examination would you prefer for a total assessment of the achievement of a student? Indicate by a tick-mark either of the two priorities.

<u>Type of Examination</u>	<u>Priority 1</u>	<u>Priority 2</u>
1. Objective type of test with short questions admitting clearcut right or wrong answers given 1 mark for each.
2. Short paragraph answer on a single point question with several such questions separately marked
3. Long Essay Type answer to a few normally 5, questions for a three hours examination.
4. A combination of quiz type tests spread over the entire session plus Annual Examination of type 1 or 3.
5. Any other.
a.
b.
c.

D. How many marks do you want to award out of 100 to an examinee in History for any or all of the following ?

- 1. Time sense—dates & sequence.
- 2. Knowledge of events.
- 3. Relationship of events
- 4. Good expository strategy.
- 5. Good style.
- 6. Good hand-writing
- 7. Length of answer i. e writing not briefly but in extenso.
- 8. Maps and figures.

Any other.

a.
b.

Total	100
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APPENDIX B.1

RAW SCORES OF ESSAY TYPE EXAMINATION FOR 10 EXAMINERS AT
HIGH SCHOOL STAGE

<u>No.</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
1.	27	22	18	30	34	25	19	13	19	26
2.	23	30	17	17	25	27	22	16	20	18
3.	23	20	14	15	28	15	24	07	25	18
4.	17	10	09	15	16	13	12	08	18	18
5.	30	28	29	31	41	22	36	32	37	37
6.	33	24	30	22	32	28	19	17	33	39
7.	22	17	20	14	15	17	17	12	22	16
8.	13	13	19	15	30	19	24	12	21	18
9.	13	15	14	17	21	15	17	13	21	15
10.	26	21	17	15	39	17	27	16	22	18
11.	19	12	11	15	17	14	17	09	27	10
12.	17	10	10	11	13	09	11	04	17	09
13.	17	15	09	09	21	15	17	12	15	12
14.	23	22	22	22	37	20	27	22	28	27
15.	15	13	16	16	21	13	18	13	24	16
16.	20	18	16	16	22	22	19	16	22	17
17.	17	19	09	12	15	17	15	11	16	17
18.	13	13	11	11	15	12	22	12	15	11
19.	14	17	12	13	13	09	15	11	16	15
20.	14	14	11	09	14	08	20	16	08	11
21.	17	15	09	12	23	11	28	17	15	18
22.	13	21	11	12	18	17	28	18	15	18
23.	18	14	09	09	12	10	18	09	13	10
24.	15	11	07	08	12	10	18	06	12	12
25.	20	13	12	09	14	14	17	07	20	13
26.	13	10	09	08	13	09	14	10	12	10
27.	15	18	14	11	17	13	16	10	12	18
28.	15	17	15	13	17	14	17	12	15	20
29.	19	19	27	16	20	19	23	17	26	25
30.	13	11	08	14	11	08	19	07	18	09
31.	29	20	24	20	22	21	15	12	32	18
32.	23	22	19	11	26	17	28	20	34	18
33.	17	17	15	13	26	17	20	20	35	10
34.	24	20	15	15	24	26	26	10	36	17
35.	27	17	10	15	30	20	22	11	32	14
36.	34	13	17	18	28	29	31	22	39	19
37.	35	22	13	20	23	19	23	15	32	16
38.	33	27	30	27	43	30	35	33	40	31
39.	42	28	26	25	43	31	39	31	33	31
40.	37	24	27	24	37	26	32	32	37	29

Examinees = 40, Examiners = 10, Two questions = 50 marks

RESULTS OF SHORT ANSWER TYPE EXAMINATION FOR TEN EXAMINERS AT HIGH SCHOOL STAGE

No.	1	2	3	4	5	6	7	8	9	10
1.	27	41	24	18	33	36	23	21	32	28
2.	20	33	20	26	32	25	19	36	28	23
3.	31	36	18	34	40	33	27	28	27	17
4.	26	29	14	24	32	30	23	28	20	20
5.	32	46	33	36	48	33	23	32	36	23
6.	20	32	16	27	26	30	22	37	32	28
7.	35	41	27	32	44	33	29	31	33	23
8.	22	23	06	17	20	22	19	12	23	15
9.	16	31	26	32	30	24	13	29	30	16
10.	39	40	25	33	33	33	30	14	29	03
11.	17	23	09	13	13	22	15	11	18	11
12.	23	32	27	21	29	29	25	23	26	20
13.	05	15	01	02	11	10	04	07	05	01
14.	15	22	06	15	17	25	13	21	18	10
15.	07	17	09	13	20	27	12	17	17	06
16.	06	20	03	11	19	16	03	22	18	10
17.	20	23	11	19	17	23	19	30	25	10
18.	07	20	04	13	24	27	09	13	12	05
19.	21	24	14	12	20	18	24	21	15	16
20.	10	27	04	10	21	25	13	05	12	11
21.	10	20	04	03	23	23	14	12	12	10
22.	22	20	08	08	27	23	13	09	03	05
23.	14	27	08	16	33	21	31	13	11	03
24.	31	29	19	15	29	24	25	17	14	14
25.	25	42	16	34	39	23	23	31	29	27
26.	13	20	09	16	23	17	10	14	17	21
27.	20	36	04	16	30	26	24	10	03	20
28.	17	41	13	22	37	29	22	27	30	31
29.	12	32	15	23	31	22	17	24	23	26
30.	13	13	12	17	13	12	15	13	26	19
31.	07	10	01	07	15	12	10	02	05	01
32.	17	10	06	17	10	10	20	03	06	01
33.	23	13	07	17	20	11	27	13	21	03
34.	07	15	03	09	14	13	14	06	07	01
35.	03	16	03	11	13	13	03	03	14	03
36.	17	20	06	13	23	22	22	09	03	03
37.	17	20	09	03	20	16	11	07	07	03
38.	05	15	04	05	12	19	11	04	03	02
39.	10	15	04	07	23	19	16	02	07	01
40.	05	20	06	11	13	13	03	06	07	02

Examinees = 40, Examiners = 10, Questions = 60

APPENDIX B.3

RAW SCORES OF OPEN BOOK EXAMINATION FOR TEN EXAMINERS AT HIGH SCHOOL STAGE

No.	1	2	3	4	5	6	7	8	9	10
1.	15	12	06	08	03	11	10	10	14	12
2.	06	08	09	10	06	07	05	08	16	10
3.	14	03	11	15	10	06	03	09	14	08
4.	12	09	07	09	11	06	10	09	14	07
5.	05	06	06	10	10	05	11	09	17	08
6.	09	07	06	10	06	07	04	04	15	04
7.	11	12	06	10	12	10	10	11	16	05
8.	05	05	05	09	05	07	07	09	13	08
9.	05	05	04	08	05	09	04	03	13	06
10.	12	03	12	08	11	07	10	07	12	12
11.	09	07	04	08	07	11	08	09	10	10
12.	09	07	06	09	10	06	12	07	15	06
13.	04	08	03	07	05	06	05	07	14	05
14.	03	03	03	11	04	05	04	10	13	10
15.	07	06	04	08	06	05	05	09	15	08
16.	02	04	05	07	11	10	08	03	08	09
17.	06	05	05	14	03	03	06	09	17	07
18.	05	05	06	11	07	04	03	09	10	10
19.	04	06	03	03	03	06	05	08	14	10
20.	06	07	05	07	06	07	07	03	10	10
21.	18	04	06	07	12	08	10	15	20	12
22.	07	10	07	03	05	06	06	07	15	09
23.	03	03	05	03	04	03	03	06	14	08
24.	09	03	04	08	05	04	05	07	12	10
25.	04	05	05	09	07	06	03	09	21	07
26.	04	07	03	04	03	04	03	03	08	10
27.	03	05	03	05	04	04	05	05	10	10
28.	03	05	03	05	02	09	04	02	03	07
29.	03	07	04	10	10	06	03	10	17	02
30.	05	07	03	07	04	09	05	03	13	15
31.	04	07	03	03	07	04	03	03	18	09
32.	06	05	03	04	03	06	08	05	04	08
33.	05	06	03	06	04	05	04	07	07	12
34.	03	04	03	04	03	04	04	03	06	08
35.	06	04	04	04	05	05	09	05	06	10
36.	10	05	03	04	09	07	08	09	07	09
37.	03	03	03	07	07	03	05	06	11	12
38.	08	07	04	06	06	04	05	09	10	10
39.	03	03	04	08	05	05	07	09	15	11
40.	03	09	05	11	03	09	10	10	14	13

Examinees = 40, Examiners = 10, Question One = 25 marks.

APPENDIX B.4

**RAW SCORES OF VIVA-VOCE EXAMINATION FOR TWO EXAMINERS AT
HIGH SCHOOL STAGE**

<u>S.No.</u>	<u>1</u>	<u>2</u>
1.	30	17
2.	28	17
3.	26	14
4.	24	15
5.	19	35
6.	36	27
7.	29	17
8.	21	20
9.	17	15
10.	29	19
11.	14	30
12.	13	19
13.	17	17
14.	17	26
15.	18	17
16.	22	26
17.	18	22
18.	17	19
19.	22	17
20.	29	17
21.	24	21
22.	24	23
23.	28	17
24.	17	29
25.	19	17
26.	21	17
27.	22	13
28.	32	17
29.	31	20
30.	27	13
31.	27	22
32.	29	17
33.	31	23
34.	36	22
35.	31	19
36.	35	27
37.	33	25
38.	41	29
39.	45	28
40.	42	24

Examinees = 40, Examiners (Internal-External) = 2, Marks = 50

RAW SCORES OF ESSAY TYPE EXAMINATION FOR 10 EXAMINERS AT
POST GRADUATE STAGE

S.No.	1	2	3	4	5	6	7	8	9	10
1.	29	29	24	33	25	18	20	21	24	17
2.	32	28	32	25	20	25	24	29	22	22
3.	27	19	16	30	19	22	25	30	26	20
4.	22	23	23	35	19	12	16	23	25	13
5.	23	26	22	25	26	15	20	14	20	16
6.	13	16	16	28	09	17	17	15	14	14
7.	16	24	21	25	22	17	18	11	24	15
8.	16	13	20	25	14	11	19	27	17	16
9.	35	30	37	39	27	25	28	20	23	22
10.	30	25	24	34	22	29	31	21	29	26
11.	30	25	27	32	36	28	34	15	28	24
12.	21	20	21	25	28	15	22	12	25	18
13.	23	27	26	32	28	14	19	18	29	17
14.	15	21	19	33	21	22	18	18	23	16
15.	23	21	19	25	17	18	22	31	22	18
16.	22	30	29	31	37	19	19	23	32	17
17.	18	19	21	30	18	20	30	20	27	24
18.	20	27	25	32	20	23	23	28	25	19
19.	24	23	22	30	22	17	29	20	31	20
20.	20	29	32	33	29	22	30	24	32	22
21.	20	23	21	31	26	19	21	14	22	19
22.	17	15	13	24	14	12	13	26	16	17
23.	13	16	18	14	13	12	13	13	16	15
24.	15	19	21	29	23	20	18	13	20	19
25.	32	24	27	34	20	21	35	28	29	31

No. of examinees = 25, No. of examiners = 10, two questions = 50 marks

APPENDIX B.6

**MARK SCORES OF SHORT ANSWER TYPE EXAMINATION FOR 10 EXAMINERS AT
POST GRADUATE STAGE**

<u>S.No.</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
1.	33	43	37	45	27	45	38	37	33	27
2.	35	30	35	27	21	39	34	32	20	19
3.	42	34	36	38	22	47	39	35	32	23
4.	35	27	31	32	36	33	35	32	34	21
5.	25	20	26	37	12	28	32	30	29	19
6.	32	26	31	31	19	41	35	29	24	18
7.	28	19	17	14	13	22	19	23	11	16
8.	40	34	24	37	29	36	30	34	29	24
9.	47	45	37	21	13	47	39	37	27	29
10.	35	22	27	40	27	31	32	31	28	17
11.	23	19	23	36	19	24	27	27	25	15
12.	33	21	26	33	11	24	34	27	28	19
13.	21	20	23	32	19	17	25	20	25	14
14.	42	44	39	37	16	45	40	31	31	32
15.	31	23	30	33	09	24	32	20	31	25
16.	42	30	35	35	17	26	36	27	25	25
17.	33	29	39	37	18	33	38	29	26	29
18.	26	25	22	11	13	19	24	13	20	19
19.	34	24	27	23	11	22	29	29	22	18
20.	30	17	16	11	09	14	21	20	17	13
21.	36	23	25	23	17	22	28	27	19	23
22.	34	29	29	23	19	20	33	23	30	21
23.	44	27	31	23	17	35	34	30	24	24
24.	46	29	29	20	34	44	31	22	25	22
25.	27	19	25	05	13	21	28	22	22	21

No. of examinees = 25, No. of examiners = 10, six questions of 10 marks each = 60.

RAW SCORES OF OPEN BOOK EXAMINATION FOR 10 EXAMINERS AT
POST GRADUATE STAGE

No.	1	2	3	4	5	6	7	8	9	10
1.	14	13	09	18	18	10	08	15	12	07
2.	15	12	16	21	10	09	09	14	10	09
3.	14	15	07	17	09	11	10	16	10	11
4.	14	10	11	17	03	09	11	14	10	08
5.	11	10	14	17	05	03	06	13	12	06
6.	10	13	12	17	11	12	10	12	11	08
7.	15	10	16	15	06	03	09	03	10	09
8.	13	16	09	20	12	13	12	08	11	12
9.	11	08	13	16	03	07	06	09	10	07
10.	15	10	15	19	03	03	07	12	09	07
11.	14	16	14	13	07	15	13	13	09	09
12.	13	08	10	20	14	11	10	16	10	10
13.	12	08	12	14	03	07	06	17	09	04
14.	15	18	13	20	12	15	16	19	10	13
15.	16	15	14	13	16	14	11	14	10	12
16.	14	19	14	16	09	16	12	15	11	10
17.	13	09	12	17	12	07	06	10	12	08
18.	14	20	10	17	14	13	17	06	11	13
19.	14	15	16	13	13	11	09	09	14	07
20.	16	19	15	20	09	17	15	13	12	12
21.	13	13	13	16	08	10	08	12	10	09
22.	14	03	03	16	06	03	09	15	10	07
23.	11	12	07	16	07	03	10	14	09	05
24.	13	12	09	15	03	08	07	18	09	06
25.	14	14	15	16	10	11	09	19	11	05

No. of examinees = 25, No. of examiners = 10, one question = 25 marks.

RAW SCORES OF VIVA-VOCE EXAMINATION FOR TWO EXAMINERS AT
POST GRADUATE STAGE

S.No.	1	2
1.	40	31
2.	38	27
3.	27	33
4.	33	20
5.	21	25
6.	25	30
7.	16	20
8.	27	33
9.	39	25
10.	35	38
11.	37	40
12.	29	36
13.	13	26
14.	24	22
15.	26	18
16.	36	20
17.	18	19
18.	39	29
19.	23	23
20.	41	36
21.	27	20
22.	17	21
23.	17.	19
24.	22	17
25.	29	34

No. of examinees = 25, No. of examiners = 2 (Internal-External),
Marks = 50.

RAW SCORES FOR 8 COMPONENT FACTORS OF HISTORY - HIGH SCHOOL STAGE

Rators No.	1	2	3	4	5	6	7	8
1.	10	10	10	20	10	10	15	15
2.	20	40	10	05	05	10	00	10
3.	03	25	14	09	11	03	10	15
4.	05	20	15	15	15	05	05	20
5.	10	15	20	10	15	05	10	15
6.	05	20	15	20	10	05	20	05
7.	15	15	10	15	10	10	15	10
8.	15	15	10	15	10	10	10	15
9.	05	40	20	05	05	05	10	15
10.	12	20	12	10	12	12	07	15
11.	10	40	35	00	05	05	00	05
12.	13	10	15	10	10	07	20	15
13.	14	15	10	12	12	16	10	11
14.	05	15	10	10	15	05	20	20
15.	05	20	15	20	10	10	10	10
16.	05	30	10	30	10	05	05	05
17.	15	10	25	10	10	10	10	10
18.	05	10	20	15	15	05	10	20
19.	15	15	05	20	15	05	10	15
20.	03	12	03	17	15	05	15	20
21.	05	15	15	10	30	05	05	15
22.	05	15	15	15	20	05	10	15
23.	10	20	15	25	10	10	05	03
24.	10	12	20	10	10	03	20	10
25.	10	15	20	10	15	05	10	15
26.	10	20	20	10	10	05	10	15
27.	10	20	10	10	20	05	15	10
28.	10	20	20	10	15	05	10	10
29.	15	30	20	10	05	05	05	10
30.	10	10	25	05	25	05	10	10
31.	05	30	15	15	10	05	10	10
32.	05	40	25	10	05	05	05	05
33.	10	20	15	15	10	05	10	15
34.	15	25	30	05	10	05	05	05
35.	10	20	10	20	10	05	05	20
36.	10	25	10	15	15	05	10	10
37.	12	20	15	10	12	06	00	25
38.	10	05	10	25	20	05	10	15
39.	10	25	15	10	15	05	10	10
40.	05	15	12	13	23	07	10	15

* Rators = 40.

RAW SCORES FOR 8 COMPONENT FACTORS OF HISTORY - POST GRADUATE STAGE

Rators No.	1	2	3	4	5	6	7	8
1.	10	20	15	15	10	05	10	15
2.	10	40	10	10	10	05	10	05
3.	20	25	15	10	10	05	10	05
4.	10	20	15	15	10	10	10	10
5.	10	25	25	20	05	05	00	10
6.	10	15	20	10	10	10	10	15
7.	00	00	20	25	50	05	00	00
8.	25	25	25	08	05	08	03	04
9.	25	20	25	10	10	00	05	05
10.	10	20	20	10	10	05	05	20
11.	15	15	15	15	15	10	05	10
12.	05	25	18	08	08	10	14	12
13.	20	30	20	00	10	10	00	10
14.	10	20	15	15	15	05	10	10
15.	05	25	25	10	10	05	10	10
16.	02	50	25	00	15	05	02	01
17.	10	30	10	05	10	20	05	10
18.	05	30	30	05	10	05	05	10
19.	10	10	10	10	15	15	15	15
20.	10	10	15	15	15	10	15	10
21.	05	25	20	20	10	05	05	10
22.	05	15	15	10	10	10	15	20
23.	10	10	12	08	25	15	05	15
24.	10	20	10	10	20	10	10	10
25.	15	30	10	10	10	05	10	10
26.	15	14	10	10	20	05	10	15
27.	12	10	10	15	20	12	12	09
28.	20	15	15	10	10	10	10	10
29.	15	20	10	15	20	10	00	10
30.	10	10	25	20	20	15	00	00
31.	15	15	20	15	10	05	10	10
32.	15	15	20	15	10	05	10	10
33.	10	30	10	05	05	05	30	05
34.	15	20	15	10	10	10	00	20
35.	15	15	15	10	10	05	10	20
36.	05	25	30	10	15	05	00	10
37.	10	20	10	10	30	05	05	10
38.	10	25	20	10	15	05	05	10
39.	20	20	20	10	10	10	05	05
40.	15	15	20	20	10	10	05	05

* Rators = 40.

APPENDIX - C.1

FREQUENCY DISTRIBUTION OF MARKS AWARDED BY EXAMINERS IN
STAY TYPE EXAMINATION - HIGH SCHOOL STAGE

HIGH SCORING EXAMINER(9)		LOW SCORING EXAMINER(8)	
Scores	Frequencies	Scores	Frequencies
33-40	3	31-33	4
35-37	4	28-30	0
32-34	5	25-27	0
29-31	0	22-24	2
26-28	3	19-21	2
23-25	2	16-18	8
20-22	7	13-15	4
17-19	4	10-12	12
14-16	7	7-9	6
11-13	4	4-6	2
8-10	1		
	<u>40</u>		<u>40</u>

APPENDIX - C.2

FREQUENCY DISTRIBUTION OF MARKS AWARDED BY EXAMINERS IN
SHORT ANSWER TYPE EXAMINATION - HIGH SCHOOL STAGE

<u>HIGH SCORING EXAMINER(2)</u>		<u>LOW SCORING EXAMINER(10)</u>	
<u>Scores</u>	<u>Frequencies</u>	<u>Scores</u>	<u>Frequencies</u>
46 - 48	1	31 - 33	1
43 - 45	0	28 - 30	1
40 - 42	5	25 - 27	2
37 - 39	2	22 - 24	3
34 - 36	2	19 - 21	5
31 - 33	4	16 - 18	4
28 - 30	2	13 - 15	2
25 - 27	2	10 - 12	6
22 - 24	4	7 - 9	3
19 - 21	8	4 - 6	3
16 - 18	4	1 - 3	10
13 - 15	4		
10 - 12	2		
	<hr/> 40 <hr/>		<hr/> 40 <hr/>

FREQUENCY DISTRIBUTION OF SCORES AWARDED BY EXAMINERS IN
ORAL BOOK EXAMINATION - HIGH SCHOOL STAGE

HIGH SCORING EXAMINER(9)		LOW SCORING EXAMINER(3)	
Scores	Frequencies	Scores	Frequencies
20-21	2	12-1	1
18-19	3	11	1
16-17	5	10	0
14-15	12	9	1
12-13	5	8	2
10-11	5	7	2
8-9	3	6	3
6-7	4	5	6
4-5	1	4	3
		3	11
	<u>40</u>		<u>40</u>

FREQUENCY DISTRIBUTION OF SCORES AWARDED BY EXAMINERS IN
VIVA-VOCE EXAMINATION - HIGH SCHOOL STAGE

INTERNAL EXAMINER		EXTERNAL EXAMINER	
Scores	Frequencies	Scores	Frequencies
43-46	3	34-35	1
39-42	6	32-33	0
35-38	7	30-31	1
31-34	4	28-29	3
27-30	9	26-27	4
23-26	5	24-25	2
19-22	3	22-23	5
15-18	2	20-21	3
11-14	1	18-19	6
		16-17	12
		14-15	3
	<hr/> 40 <hr/>		<hr/> 40 <hr/>

FREQUENCY DISTRIBUTION OF SCORES AWARDED BY EXAMINERS IN
ENTRY TYPE EXAMINATION - I ONT GRADUATE STAGE

HIGH SCORING EXAMINER (4)		LOW SCORING EXAMINER (3)	
Scores	Frequencies	Scores	Frequencies
37-39	1	29-30	1
34-36	3	27-28	1
31-33	3	25-26	2
28-30	5	23-24	1
25-27	6	21-22	4
22-24	1	19-20	4
19-21	0	17-18	5
16-18	0	15-16	2
13-15	1	13-14	1
		11-12	4
	<hr/> 25 <hr/>		<hr/> 25 <hr/>

AN MEDIX - C.6

FREQUENCY DISTRIBUTION OF SCORES AWARDED BY EXAMINERS IN
SHORT ANSWER TYPE EXAMINATION - POST GRADUATE STAGE

HIGH SCORING EXAMINER(1)		LOW SCORING EXAMINER(10)	
Scores	Frequencies	Scores	Frequencies
45 - 47	2	31 - 32	1
42 - 44	4	29 - 30	2
39 - 41	1	27 - 28	1
36 - 38	2	25 - 26	2
33 - 35	7	23 - 24	4
30 - 32	3	21 - 22	4
27 - 29	3	19 - 20	4
24 - 25	2	17 - 18	3
21 - 23	1	15 - 16	2
		13 - 14	2
	<hr/> <u>25</u> <hr/>		<hr/> <u>25</u> <hr/>

APPENDIX - C.7

FREQUENCY DISTRIBUTION OF SCORES AWARDED BY EXAMINERS IN
ORAL BOARD EXAMINATION - POST GRADUATE STAGE

<u>HIGH SCORING EXAMINER(4)</u>		<u>LOW SCORING EXAMINER(10)</u>	
<u>Scores</u>	<u>Frequencies</u>	<u>Scores</u>	<u>Frequencies</u>
20 - 21	5	12 - 13	5
19 - 20	1	10 - 11	3
18 - 19	4	8 - 9	6
17 - 18	6	6 - 7	7
15 - 17	6	4 - 5	4
16 - 16	2		
14 - 15	1		
	<hr/>		<hr/>
	25		35
	<hr/>		<hr/>

APPENDIX - C.8

VIVA-VOCE EXAMINATION - POST GRADUATE STAGE

<u>INTERNAL EXAMINER</u>		<u>EXTERNAL EXAMINER</u>	
<u>Scores</u>	<u>Frequencies</u>	<u>Scores</u>	<u>Frequencies</u>
40 - 42	2	38 - 40	2
37 - 39	4	35 - 37	2
34 - 36	2	32 - 34	3
31 - 33	1	29 - 31	3
28 - 30	3	26 - 28	2
25 - 27	5	23 - 25	3
22 - 24	2	20 - 22	6
19 - 21	1	17 - 19	4
16 - 18	5		
	<hr/>		<hr/>
	25		25
	<hr/>		<hr/>

... able of ... entering ... style ...
Handwriting at High School Stage.



style	A1	A2	A3	B1	B2	B3	A3
1.	17	16	14	15	14	11	15
2.	21	18	15	17	18	12	12
3.	18	17	14	18	15	9	17
4.	22	19	13	18	11	12	18
5.	20	19	15	18	12	10	17

Handwriting

1.	17	16	14	15	14	11	15	13	10	14	9	7	12	8	14	12	7	12	9	5	16	10	4	
2.	21	18	15	17	18	12	12	9	17	9	8	10	7	7	15	10	5	10	3	5	16	12	5	
3.	18	17	14	18	15	9	17	12	9	18	14	8	16	8	5	11	8	5	17	11	6	11	10	4
4.	22	19	13	18	11	12	18	13	8	14	11	10	17	10	6	9	12	10	16	10	8	12	10	5
5.	20	19	15	18	12	10	17	14	11	16	12	10	16	11	6	8	9	9	13	12	5	15	11	4

Master Table of Scores Obtained for Measuring Length, Style and Handwriting at Post-Graduate Stage.

Hand-writing	Length															Style														
	B1					B2					B3					E1					E2					E3				
	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5
1.	16	16	15	13	10	12	15	15	14	16	12	15	12	9	11	18	17	15	15	15	15	15	14	12	11	14	12	11		
2.	18	16	12	18	16	17	12	12	12	17	15	11	13	19	17	11	10	12	16	14	15	14	13	12	9	10	11	10		
3.	17	20	16	20	18	14	14	16	14	16	19	15	19	17	16	13	15	13	17	16	16	16	14	10	13	12	12	12		
4.	20	17	17	16	16	15	18	16	15	19	16	16	15	16	14	17	15	14	17	15	14	16	15	15	16	14	14	14		
5.	14	12	12	18	14	17	15	17	15	15	14	13	17	15	14	14	16	14	16	14	16	14	16	14	18	17	19	17		

STATISTICAL TECHNIQUES AND FORMULAE APPLIED IN THE INVESTIGATION

The statistical techniques and formulae employed by the investigator in the research for analysing the data were :-

1. The Means, Standard Deviation, Skewness and Kurtosis for all the tests i.e. Essay type, Short Answer, Open Book and Viva-Voce were calculated ^{by} with/the following formulae :-

(a) Mean $\frac{\sum fx}{n}$

(b) Skewness $\frac{P_{90} + P_{10}}{2} - P_{50}$

(c) Kurtosis $\frac{2}{(P_{90} - P_{10})}$

(d) Standard Deviation $\sqrt{\frac{N \sum x^2 - (\sum x)^2}{N}}$

2. Coefficient of Correlations were calculated for all forms of examination by the formula

$$r = \frac{N \sum XY - \sum X \times \sum Y}{\sqrt{[N \sum X^2 - (\sum X)^2][N \sum Y^2 - (\sum Y)^2]}}$$

3. The general common and common factors derived from matrices of r's with the centroid method advocated by Godfrey Thompson.
4. The reliability of objective type tests for both stages was calculated by the S.R. formula (20) i.e.

$$r_{tt} = \left(\frac{n}{n-1} \right) \left(\frac{\sigma_t^2 - \sum pq}{\sigma_t^2} \right)$$

5. Three way analysis of Variance (3x3x3) was calculated to measure the Length, Style and Hand-writing at both stages.