

ANNEXURE- 1

Ph.D ENTRANCE TEST 2017 SYLLABUS FOR SECTION – I (ARTS, COMMERCE, SOCIAL SCIENCE, HUMANITIES, LAW, EDUCATION AND LIBRARY & SCIENCE FACULTIES)

(A)

Subjects included: Economics, English, Gujarati, History, Sanskrit

Question paper would be bilingual : English & Gujarati for Hindi_ Hindi Only.

- The syllabus of Section – I shall be divided into four units as mentioned below. Each unit shall have equal weightage.

Section A: Research Aptitude, Methodology and Data Interpretation (25 %)

1. Meaning and purpose of research
2. Types of Research – Basic vs. Applied (Historical, Descriptive and Experimental)
3. Steps of Research; Methods of Research – survey, case study, experimental, field study
4. Tools for data collection – tests, questionnaire, interview, observations
5. Basics of descriptive and inferential statistics – meaning and application only
6. Communicating research – research proposal and thesis writing.

Section B: Reading Comprehension and Language Proficiency (25%)

1. Prose / Passage with Questions
2. Grammatical and structural -
Tenses, Verbs, Phrasal Verbs, Nouns, Pronouns, Adjectives, Adverbs,
Prepositions, Conjunctions, Reported Speech, Active-Passive Voice, Clauses,
Phrases, Question Tags, Negation, Interrogation
3. Prefixes and Suffixes
4. Synonyms and Antonyms
5. Idioms and Proverbs
6. Figures of Speech
7. Vocabulary items
8. Phrases and Clauses
9. Spellings

Section C: Information and Communication Technology (25 %)

1. Abbreviations and Terminology: Common Computer/ICT terminology used in public media and their meaning, Abbreviations standing for common notions and concepts.
2. Applications of / on internet: World Wide Web, web browsers, search engines, Wikipedia, Easy access of general and specialized information.
3. Email, messaging, social networking : Facilities and features of email, messaging and social networking
4. Word Processing: Fundamentals of preparing and formatting documents and reports.
5. Spread sheets: Spread sheet representation and simple manipulation of tabular data.
6. Presentations: Basics of preparing presentations and slides, title, body and drawings.

Section D: General Knowledge (25 %)

General Knowledge and Contemporary issues in

- Indian society, polity, economy, environment
- Indian socio-political system
- Education, Population and society
- History, Geography and Culture
- Economy and development
- Environmental issues – climate change, sustainability, development
- Globalization

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ANNEXURE- 1

Ph.D ENTRANCE TEST 2017 SYLLABUS FOR SECTION – I (FOR SCIENCE, MANAGEMENT AND COMPUTER SCIENCE FACULTY)

(B)

Subjects included: Botany, Chemistry, Mathematics, Computer Science.)

- Question paper would be in English only.
- The syllabus of Section – I shall be divided into five units as mentioned below. Each unit shall have equal weightage.

Section A: Research Aptitude, Methodology and Data Interpretation (20 %)

1. Meaning and purpose of research
2. Types of Research – Basic vs. Applied (Historical, Descriptive and Experimental)
3. Steps of Research; Methods of Research – survey, case study, experimental, field study
4. Tools for data collection – tests, questionnaire, interview, observations
5. Basics of descriptive and inferential statistics – meaning and application only
6. Communicating research – research proposal and thesis writing.

Section B: Reading Comprehension and language Proficiency (20%)

1. Prose / Passage with Questions
2. Grammatical and structural -
Tenses, Verbs, Phrasal Verbs, Nouns, Pronouns, Adjectives, Adverbs,
Prepositions, Conjunctions, Reported Speech, Active-Passive Voice, Clauses,
Phrases, Question Tags, Negation, Interrogation
3. Prefixes and Suffixes
4. Synonyms and Antonyms
5. Idioms and Proverbs
6. Figures of Speech
7. Vocabulary items
8. Phrases and Clauses
9. Spellings

Section C: Logical Reasoning (20 %)

1. Verbal Reasoning: Analogy, Classification, Series completion, Logical deduction, Chart logic;
2. Nonverbal reasoning: Pattern perception, Figure formation and analysis, Paper cutting, Figure matrix, Rule detection;
3. Assumption-Premise-Conclusion, Statements and assumptions, identifying valid inferences;
4. Analytical reasoning, Venn diagram;
5. Linear arrangements, Matrix arrangements;
6. Symbol based problems;
7. Coding and decoding;
8. Sequencing;
9. Basic probability.

Section D: Information and Communication Technology (20 %)

1. Abbreviations and Terminology: Common Computer/ICT terminology used in public media and their meaning, Abbreviations standing for common notions and concepts.
2. Applications of / on internet: World Wide Web, web browsers, search engines, Wikipedia, Easy access of general and specialized information.
3. Email, messaging, social networking : Facilities and features of email, messaging and social networking
4. Word Processing: Fundamentals of preparing and formatting documents and reports.
5. Spread sheets: Spread sheet representation and simple manipulation of tabular data.
6. Presentations: Basics of preparing presentations and slides, title, body and drawings.

Section E: General Knowledge (20 %)

General Knowledge and Contemporary issues in

- Indian society, polity, economy, environment
- Indian socio-political system
- Education, Population and society
- History, Geography and Culture
- Economy and development
- Environmental issues – climate change, sustainability, development
- Globalization