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Combined Higher Secondary Level

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Compiled & Edited by Arihant 'Expert Team'





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Scheme of

Tier-I Examination

| Tier | Part | Subject (Not in Sequence) | Number of Questions/ Maximum Marks | Time Duration (For all four Parts) | |
|------|------|---|---------------------------------------|--|--|
| 1 | I | English Language (Basic Knowledge) | 25/50 | CO Minutes (OO Minutes | |
| | II | General Intelligence | 25/50 | 60 Minutes (80 Minutes for candidates eligible for scribe as per Para-7.1, | |
| | III | Quantitative Aptitude (Basic Arithmetic Skill) | 25/50 | 7.2 and 7.3) | |
| | IV | General Awareness | 25/50 | | |

The Tier-I Examination will consist of Objective Type, Multiple choice questions only. The questions will be set in English, Hindi and any language opted by the candidate in the application form, as given at Annexure-XVI for Part-II, III & IV of Tier-I examination.

There will be negative marking of 0.50 marks for each wrong answer. Candidates are, therefore, advised to keep this in mind while answering the questions.

Syllabus

English Language Spot the Error, Fill in the Blanks, Synonyms/ Homonyms, Antonyms, Spellings/ Detecting mis-spelt words, Idioms & Phrases, One word substitution, Improvement of Sentences, Active/ Passive Voice of Verbs, Conversion into Direct/ Indirect narration, Shuffling of Sentence parts, Shuffling of Sentences in a passage, Cloze Passage, Comprehension Passage.

General Intelligence It would include questions of both verbal and non-verbal type. The test will include questions on Semantic Analogy, Symbolic operations, Symbolic/ Number Analogy, Trends, Figural Analogy, Space Orientation, Semantic Classification, Venn Diagrams, Symbolic/ Number Classification, Drawing inferences, Figural Classification, Punched hole/ pattern-folding & unfolding, Semantic Series, Figural Pattern-folding and completion, Number Series, Embedded figures, Figural Series, Critical Thinking, Problem Solving, Emotional Intelligence, Word Building, Social Intelligence, Coding and de-coding, Numerical operations, Other sub-topics, if any.

Quantitative Aptitude

Number Systems: Computation of Whole Number, Decimal and Fractions, Relationship between numbers.

Fundamental arithmetical operations: Percentages, Ratio and Proportion, Square roots, Averages, Interest (Simple and Compound), Profit and Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time and work.

Algebra: Basic algebraic identities of School Algebra and Elementary surds (simple problems) and Graphs of Linear Equations.

Geometry: Familiarity with elementary geometric figures and facts: Triangle and its various kinds of centres, Congruence and similarity of triangles, Circle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles.

Mensuration: Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Sphere, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square Base.

Trigonometry: Trigonometry, Trigonometric ratios, Complementary angles, Height and distances (simple problems only) Standard Identities like $\sin 2\theta + \cos 2\theta = 1$ etc.

Statistical Charts: Use of Tables and Graphs: Histogram, Frequency polygon, Bar-diagram, Pie-chart.

General Awareness Questions are designed to test the candidate's general awareness of the environment around him and its application to society. Questions are also designed to test knowledge of current events and of such matters of everyday observation and experience in their scientific aspect as may be expected of an educated person. The test will also include questions relating to India and its neighboring countries especially pertaining to History, Culture, Geography, Economic Scene, General policy and scientific research.

For VH candidates of 40% and above visual disability, there will be no component of Maps/ Graphs/ Diagrams/ Statistical Data in the General Intelligence and Quantitative Aptitude parts.

SOLVED PAPERS 2023



Solved Paper

Exam Held on March 10, 2023 (Shift-1)

■ Instructions

- 1. This paper contains 100 questions. Each question carries 2 mark.
- 2. This paper has 4 Part, Part 1 General English, Part 2 Reasoning Ability, Part 3 Quantitative Aptitude and Part 4 General Awareness.

Part 1 General English

- **1.** Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'. Atmospheric rivers are long, narrow bands of moisture in the atmosphere that extends from the
 - tropics to higher latitudes. (a) tropics to higher latitudes.
 - (b) of moisture in the atmosphere that extends from the
 - (c) No error
 - (d) Atmospheric rivers are long, narrow bands
- ★ (b) Part (b) of the given sentence has an error in it. As the subject of the sentence 'Atmospheric rivers' is plural, a plural verb 'extend' should be used with it.
- **2.** Select the most appropriate 'one word' for the expression given

A professional rider in horse race. (b) Horse Pilot

- (a) Jockey
- (d) Cellar (c) Autocrat
- (a) 'Jockey' refers to a person who is a 'professional rider in horse race'.
- **3.** Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

- The snowstorm will effect thousand of travellers.
- (a) No improvement
- (b) affect thousands
- (c) effect thousands
- (d) affected thousand
- > (b) 'affect' (verb) should be used in place of 'effect' (noun) to improve the underlined part in the given sentence.
- **4.** Select the correct indirect form of the given sentence.

The mayor said to the marshals, "Don't conduct any drill tomorrow."

- (a) The mayor ordered the marshals not to conduct any drill the previous day.
- (b) The mayor ordered the marshals not to conducted any drill the next
- (c) The mayor ordered the marshals not to conduct any drill the next
- (d) The mayor ordered the marshals not to conduct any drill tomorrow.
- (c) 'The mayor ordered the marshals not to conduct any drill the next day' is the correct indirect form of the given sentence.

- **5.** Choose the word that can substitute the given group of words. Containing more words than necessary
 - (a) Revenant
- (b) Platonic
- (c) Laconic
- (d) Verbose
- more words than necessary and therefore long and boring.
- **6.** Choose the word that is opposite in meaning to the given word.
 - Adequate
 - (a) Indolent
 - (b) Wanting
 - (c) Superficial
 - (d) Taunting
- (b) The word 'Adequate' means good enough or large enough for a particular purpose. So. 'wanting' from the given options is opposite in meaning to 'Adequate'.
- **7.** In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
 - To meet one's Waterloo
 - (a) To meet one's look alike
 - (b) To face the reality
 - (c) To be badly defeated in a contest
 - (d) To realise one's mistake

- (c) The idiom 'To meet one's Waterloo means to be defeated by someone who is too strong for you or by a problem that is too difficult for you.
- **8.** Rearrange the parts of the sentence in correct order.

In a recent study,

- P. little free time like a single parent nurse caring for
- Q. more than one child and working long hours are
- R. we showed that people on low incomes with
- S. set to lose out most as energy prices rise
- (a) PQSR (c) RPQS
- (b) SPOR
- (d) ROSP
- (c) The correct order to form a meaningful sentence is RPQS.
- **9.** Choose the word that can substitute the given group of words. One who does not know reading or writing.
 - (a) Fastidious
- (b) Scholar
- (c) Illiterate
- (d) Erudite
- (c) 'Illiterate' refers to 'one who does not know reading or writing'.
- **10.** Choose the incorrectly spelt word.
 - (a) Transparent (b) Letter
 - (c) Scatter (d) Monstar
 - (d) Option (d) contians the incorrectly spelt word. The correct spelling is 'Monster'.
- **11.** Select the correct passive form of the given sentence.

She forgot the papers in the car.

- (a) The papers was forgotten by her in the car.
- (b) The papers are forgotten by her in the car.
- (c) The papers were forgotten by her in the car.
- (d) The papers had been forgotten by her in the car.
- (c) 'The papers were forgotten by her in the car.' is the correct passive form of the given sentence.
- **12.** Rearrange the parts of the sentence in correct order.
 - P. some 81 percent of the reefs in the area had become severely bleached
 - Q. warm seawater were particularly brutal in the Northern part of

- R. Australia's famous Great Barrier Reef, where surveys reported that
- S. from late 2015 to the middle of 2016, the effects of overly
- (a) SORP
- (b) QRPS
- (c) PSQR
- (d) SPOR
- (a) The correct order to form a meaningful sentence is SQRP.
- **13.** Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

It turns out that my father isn't alone.

- (a) No error (b) It turns out
- (c) that my father (d) isn't alone.
- ★ (a) The given sentence is
 ★ (b) The given sentence is
 ★ (c) The given sentence is
 ★ (d) The given sentenc grammatically correct and contextually meaningful.
- **14.** Choose the word that is opposite in meaning to the given word. Objurgation
 - (a) Commination (b) Hamper
 - (c) Reproof
- (d) Endorsement
- (d) 'Objurgation' means to scold severely. So, 'Endorsement' is opposite in meaning to it as it means an occasion when someone gives official public support to a particular person or thing.
- **15.** Fill in the blank with the most suitable word.

One may what he only holds in trust; he shares what is his own.

- (a) appropriate
- (b) allocate
- (c) appellate
- (d) apply
- ★ (b) 'Allocate' is the most suitable word to fill in the blank as it means to officially given something to someone.
- **16.** Choose the word that can substitute the given group of words. A remedy for all ills
 - (a) Rustic
- (b) Panacea
- (c) Libertine
- (d) Convalescent
- (b) 'Panacea' means something that will solve all problems or cure all illnesses.
- **17.** Choose the word that means the same as the given word. Eagerly

 - (a) Plainly (b) Avidly
 - (c) Perfunctorily (d) Neatly

- (b) 'Avidly' means is an extremely eager or interested way. So, it means the same as 'Eagerly'.
- **18.** Select the word that is opposite in meaning (antonym) to the word given below.

Celestial

- (a) Terrestrial
- (b) Stellar
- (c) Heavenly
- (d) Divine
- (a) 'Celestial' means of or from the sky or outside the world. 'Terrestrial' is opposite in meaning to 'celestial' as it means relating to Earth.
- **19.** In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

To be in two minds

- (a) To be less effective
- (b) To be over confident
- (c) In a dilemma
- (d) To migrate
- (c) The idiom 'To be in two minds' means to be unable to decide what to do or what you think about something.
- **20.** Choose the sentence with no spelling error.
 - (a) I do not require any technichal knowledge or expertise.
 - (b) I do not requir any technical knowledge or expertice.
 - (c) I do not require any technical knowledge or expertise.
 - (d) I do not require any technical knowlege or expertice.
 - **(c)** The sentence given in option (c) does not contain any spelling error in

Directions (Q. Nos. 21-25) In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

The difference between the solar radiation absorbed and the thermal radiation emitted to space (1) radiation budget of the Earth. Since there is no appreciable long-term trend in planetary temperature, it may be (2) that this budget is essentially zero on a global long term average.

The rate of temperature change in any region is directly (3) to energy budget of the region and inversely proportional to its heat capacity.