

## SAMPLE QUESTIONS

**Note: These questions are illustrative. The pattern, scope, arrangement, variety, difficulty level, etc in the actual question paper may vary.**

### INSTRUCTIONS FOR CANDIDATES

1. Please do not open this booklet until you are told to do so.
2. Please fill up the necessary information in the space provided on the cover of the Question Booklet and the Answer-Sheet before commencement of the test.
3. The duration of the test is **2 hours 30 minutes**. There are 160 questions.
4. Please check for the completeness of the Question Booklet immediately after opening.
5. Each question has four options marked (1), (2), (3) and (4).
6. Answers are to be marked on the Answer Sheet, which is provided separately.
7. Choose the correct option and darken the circle completely, corresponding to (1), (2), (3) or (4) against the relevant question number.
8. Use only HB pencil to darken the circle for answering.
9. Please do not darken more than one circle against any question, as scanner will not read the same correctly.
10. If you wish to change any answer, erase completely the one already marked and darken the fresh circle with an HB pencil.
11. Each question carries one mark. There will be no **Negative Marking**.
12. Rough work, if any, is to be done on the Question Booklet only. NO separate sheet will be provided/used for Rough Work.
13. Calculator, Pager, Mobile, Electronics gadgets etc. are not permitted inside the examination hall.
14. Candidates using unfair means in the test will be disqualified.
15. Appropriate civil/criminal proceedings will be instituted against the candidate taking or attempting to take this booklet or part of it outside the examination hall; besides cancellation of candidature.
16. The right to exclude any question(s) from final evaluation rests with the testing authority.

### Quantitative Aptitude, Data Interpretation and Sufficiency

- Two pipes can fill water into a tank at the rate of 4 litres/min and 5 litres/min. How much time will it take to fill a 90 litre tank?  
(1) 10 min                      (2) 40 min                      (3) 80 min                      (4) 120 min
- The average weight on a boat was 56 kgs and it decreased by 2 kg when one person stepped out. If the original number on the boat was 5, what was the weight of the person who stepped out?  
(1) 62                              (2) 64                              (3) 66                              (4) 68
- Raja is twice the age of his brother. 8 years back, he was 6 times his brother's age. What will Raja's age be 5 years from now?  
(1) 10                              (2) 15                              (3) 20                              (4) 25
- What will be the radius of a circular loop made by a wire of length 110 m?  
(1) 35 m                              (2) 20 m                              (3) 17.5 m                              (4) 12 m

**Directions (Questions 5 to 6): Each of these questions consists of a question and two statements I and II. Decide whether the data provided in the statements are sufficient to answer the question. Mark answer as**

- (1) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (2) If the data in statement II alone are sufficient to answer the question while the data in statement I alone are not sufficient to answer the question.
- (3) If the data in both statements I and II together are required to answer the question.
- (4) if the data in both statements I and II together are not sufficient to answer the question.

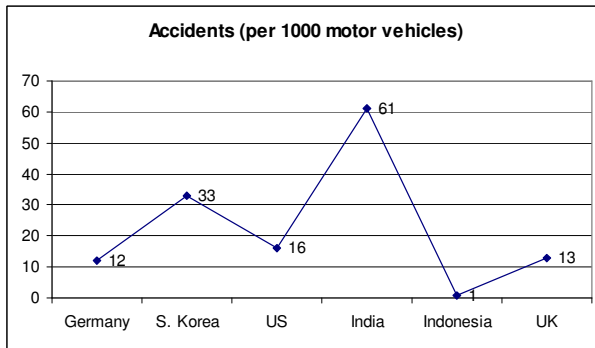
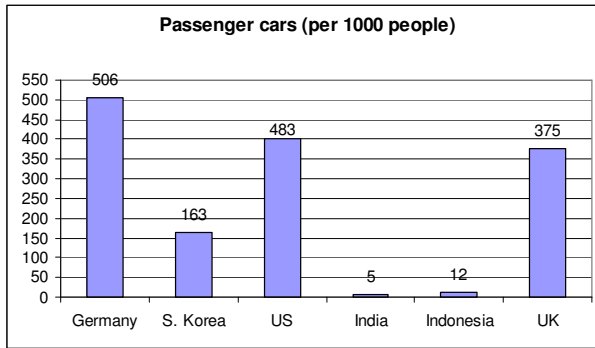
5 If the ratio of boys to girls attending school in 2000 was  $\frac{1}{3}$ , what was the ratio of boys to girls attending school in 2001

- 100 more boys were attending school in 2001 than in 2000.
- 150 more girls were attending school in 2001 than in 2000.

6 If Bhushan or Charan passed the examination, then neither Sujan nor Tarun passed the examination. Did Bhushan pass the examination?

- Tarun did not pass the examination.
- Sujan passed the examination.

**Directions (Questions 7-8) : Study the graphs to answer these questions.**



7 Total motor vehicle accidents in UK are what times of that of passenger cars in Germany?

- (1) 83.43%                      (2) 38.92%                      (3) 1.34%                      (4) Data inadequate

8 What is the ratio of total passenger cars per thousand and the total motor vehicle accidents per thousand of all the given countries?

- (1) 17:193                      (2) 15 : 1                      (3) 193 : 17                      (4) 1 : 15

**Analytical & Logical Reasoning**

9 Complete the series ACD, EGI, JLM, ?

- (1) MNO                      (2) NOP                      (3) NPR                      (4) None of these

10 In a certain code language if A is written as C, B as D, C as E and so on up to Z. How will PECULIAR be written in that code?

- (1) RGEYNKCT                      (2) RGEWNKBT  
 (3) RGEWNKCT                      (4) RGEWKNCS

11 Complete the series 4, 7, 12, 19, 28, ?

- (1) 30                      (2) 36                      (3) 39                      (4) 49

12 Deepak starts walking straight towards east. After walking 75 metres, he turns to the left and walks 25 metres straight. Again he turns to the left, walks a distance of 40 metres straight, again he turns to the left and walks a distance of 25 metres. How far is he from the starting point?

- (1) 25 metres            (2) 50 metres            (3) 140 metres            (4) None of these

13 Some scientists believe that, in certain species of birds, actual particles of metal within the brain react to the Earth's magnetic field in the same way as the needle in a compass. It is this mechanism that is thought to underlie the birds' amazing ability to navigate accurately over distances of thousands of miles by day and night during migration. To test this theory, researchers surgically removed the metal particles from the heads of some birds and then released them, along with a number of untreated birds, at the usual time and place of their annual winter migration.

Which of the following results would most seriously weaken the theory being tested?

- (1) The untreated birds were confused by the erratic flight patterns of the surgically treated birds and failed to migrate successfully.  
(2) The surgically treated birds were able to follow their usual flight patterns successfully by day, but not by night.  
(3) The surgically treated birds were able to migrate about as accurately as the untreated birds.  
(4) The surgically treated birds were able to migrate successfully only when closely following a group of untreated birds.

### [General English: Reading Comprehension, Verbal Reasoning, Verbal Ability](#)

**Directions (Questions 14-15): Read the passage carefully to answer the questions that follow.**

The earliest authentic works on European alchemy are those of the English monk Roger Bacon and the German philosopher St. Albertus Magnus. In their treatises they maintained that gold was the perfect metal and that inferior metals such as lead and mercury were removed by various degrees of imperfection from gold. They further asserted that these base metals could be transmuted to gold by blending them with a substance even more perfect than gold. This elusive substance was referred to as the "philosopher's stone".

Most of the early alchemists were artisans who were accustomed to keeping trade secrets and often resorted to cryptic terminology to record the progress of their work. The term sun was used for gold, moon for silver, and the five known planets for base metals. This convention of substituting symbolic language attracted a group of mystical philosophers who compared the search for the perfect metal with the struggle of mankind for the perfection of the soul. The philosophers began to use the artisan's terms in the mystical literature that they produced. Thus, by the fourteenth century, alchemy had developed two distinct groups of practitioners – the laboratory alchemist and the literary alchemist. Both groups of alchemists continued to work throughout the history of alchemy, but, of course, it was the literary alchemist who was most likely to produce a written record; therefore, much of what is known about the science of alchemy is derived from philosophers rather than from the alchemists who laboured in laboratories.

- 14 What is the author's main point?
- (1) There were both laboratory and literary alchemists.
  - (2) The philosopher's stone was essential to alchemy.
  - (3) Roger Bacon and St. Albertus Magnus wrote about alchemy.
  - (4) Base metals can be transmuted to gold by blending them with a substance more perfect than gold.
- 15 What was the "philosopher's stone"?
- (1) Lead that was mixed with gold.
  - (2) An element that was never found.
  - (3) Another name for alchemy.
  - (4) A base metal.

**Directions : Choose the word that is most similar in meaning to the word in capital letters.**

- 16 IMPERVIOUS
- (1) placid                      (2) violent                      (3) impenetrable                      (4) irreverence

**Directions : Choose the word that is opposite in meaning to the word in capital letters.**

- 17 MALLEABLE
- (1) pompous                      (2) brittle                      (3) clumsy                      (4) spiteful

**General Awareness: General Knowledge, Current Affairs, Business Scenario**

- 18 Tabla Maestro Zakir Hussain is the \_\_\_\_\_ Indian to win a Grammy Award.
- (1) first                      (2) second                      (3) fifth                      (4) third
- 19 National Disaster Management Authority has been established by the Government of India under the Ministry of
- (1) Home Affairs                      (2) Urban Development                      (3) HRD                      (4) Defence
- 20 At which of the places was a foundation for a Rail Coach Factory laid recently?
- (1) Lalganj                      (2) Meerut                      (3) Ghaziabad                      (4) Patna
- 21 The country with the highest population density is
- (1) China                      (2) India                      (3) Bangladesh                      (4) Singapore
- 22 Which of the following countries has become the first to pass Climate Act?
- (1) Canada                      (2) China                      (3) France                      (4) USA
- 23 K L M Airlines belongs to which country?
- (1) France                      (2) The Netherlands                      (3) Australia                      (4) Germany