

General Instructions:

- i) The Question Paper contains THREE sections-READING, GRAMMAR & WRITING and LITERATURE.
- ii) Attempt questions based on specific instructions for each part.
- iii) All questions are compulsory.

SECTION - A : READING SKILLS

1. Read the passage given below: (10)
 - 1 There were hundreds of us in the lecture hall, watching the descent of the Vikram Lander, with the Pragyan rover descending on the lunar surface, its thrusters in full force, slowing down the free fall of the delicate component of the Chandrayaan-2 spacecraft, all 1498 kg of it hurtling down, pulled by the gravity of Moon. It had separated from the rest of the spacecraft four days ago. Leaving the orbiter in its path about 100 km above the lunar surface, where it is going to spend at least 7 years.
 - 2 We were applauding as the green dot on the plot of the landing trajectory, showing the altitude and the range of the lander, reached about two km above the surface, at which point its speed was about 50 m/s. Far too high still, we thought- it had to come well below 5 m/s for a soft landing as it reached the ground. Then our spirits fell as it deviated from the expected course, and got stuck, indicating that we had lost communication. This is the phase, which the ISRO Chairperson Dr. K. Sivan had described as the, "15 minutes of terror".
 - 3 Chandrayaan-2 was launched in July on the GSLV-3, taking a complicated, fuel efficient path to the Moon lasting over 40 days. In contrast with the Apollo missions being launched on the more powerful Saturn-V launchers in the 1960s, this mission was kept affordable, but sent the mission on a long journey fraught with possible pitfalls. Till the last minute the entire manoeuvre had worked like clockwork.
 - 4 We are now hopeful that we will gain contact with Vikram. Even if some of the instruments can be made to work, we would have valuable information and images close to the lunar surface and learn more about what to do and what not to in our next attempt. It is also time to look beyond the landing event. Chandrayaan-2 is so much more than the landing event which seemed to have caught most of the attention of the public and the media. On the rest of the vehicle in orbit, we have two very sophisticated imagers.
 - 5 The high-resolution Orbiter Camera photographs the lunar surface to a resolution of 0.3 m, the best in any Moon mission so far, by any nation. Another terrain-mapping camera takes photos in multiple colours. Since all previous missions have concentrated on the equatorial region and northern hemisphere of the Moon, Chandrayaan-2's work in the southern polar region will be unique. The CLASS instrument on the orbiter will quantify the amount of calcium, magnesium, sodium and other useful elements on or below the lunar surface through X-ray fluorescence. The HRS instrument, also on the orbiter, will tell us about water and minerals under the surface.

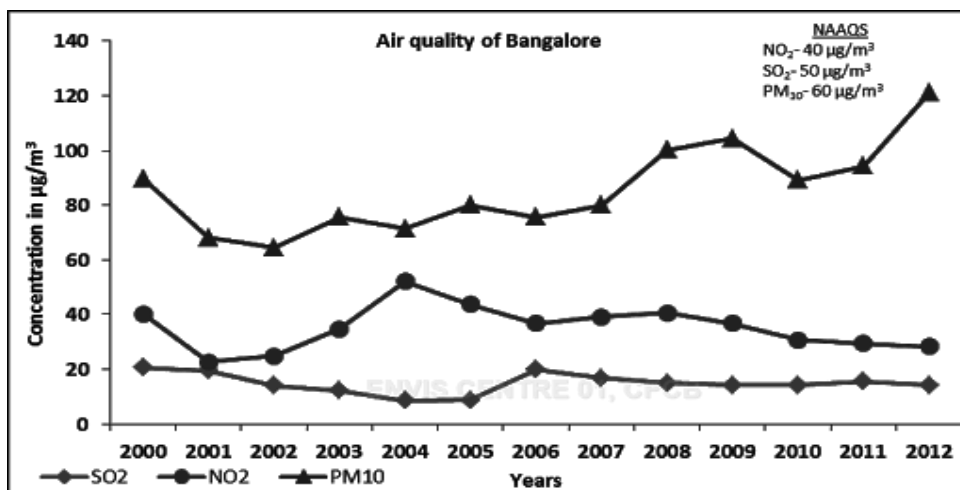
On the basis of your understanding of the passage answer the following questions:

- 1.1 For how long was Vikram Lander supposed to remain upon the lunar surface? (1)
a) 5 years b) 6 years c) 7 years d) 8 years
- 1.2 There is no instrument to tell us about the water and minerals on the surface. True or False. (1)
- 1.3 Chandrayaan-2 was supposed to land on _____ region. (1)
- 1.4 Why were the scientists happy when they saw the green dot on the trajectory? (1)
- 1.5 What is the function of 'CLASS' instrument on the orbiter? (2)
- 1.6 Write a note on Chandrayan 2 in about 40-50 words. (2)
- 1.7 Which word in the passage means the same as "venture"? (Para 4) (1)
- 1.8 What is the feeling of the writer when the Lander deviated from expected course, and got stuck, indicating that it had lost communication. (1)
a) Frustrating b) Provoking c) Disheartening d) Hostile
2. Read the passage given below and answer the questions that follow: (10)

To assess air pollution in India, Central Pollution Control Board (CPCB) is executing a nation-wide programme of ambient air quality monitoring known as National Air Quality Monitoring Programme (NAMP). The network consists of 793 operating stations covering 344 cities/towns in 29 states and 6 Union Territories of the country.

Under N.A.M.P., three air pollutants viz., Sulphur Dioxide (SO₂), Nitrogen dioxide (NO₂) and Respirable Suspended Particulate Matter (RSPM/PM₁₀) have been identified for regular monitoring at all the locations. The monitoring of meteorological parameters such as wind speed and direction, relative humidity and temperature was also integrated with the monitoring of air quality. The monitoring of pollutants is carried out for 24 hours with a frequency of twice a week, to have 104 observations in a year.

The monitoring is being carried out by CPCB; State Pollution Control Boards; Pollution Control Committees; National Environmental Engineering Research Institute (NEERI), Nagpur. CPCB co-ordinates with the other agencies to ensure the uniformity, consistency of air quality data and provides technical and financial support to them for operating the monitoring station. N.A.M.P. is being operated through various monitoring agencies, large number of personnel and equipment are involved in the sampling, chemical analyses, data reporting etc. It increases the probability of variation and personnel biases reflecting in the data, hence it is pertinent to mention that these data be treated as indicative rather than absolute.

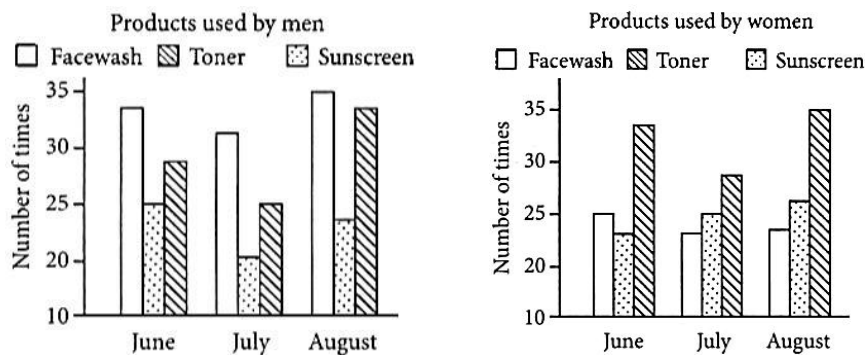


- 2.1 Name any two agencies that monitor the air quality twice a week? (2)
- 2.2 The maximum difference in the concentration of Sulphur dioxide and Nitrogen dioxide was in the year _____. (1)
 - a) 2001 b) 2004 c) 2006 d) 2012
- 2.3 Which of the following statements would be true for the year 2012? (1)
 - a) The concentration of PM10 saw a spike whereas the concentration of Sulphur dioxide and Nitrogen dioxide were steady.
 - b) The concentration of Sulphur dioxide and Nitrogen dioxide saw a spike whereas the concentration of PM10 saw a steady decline.
 - c) The concentration of Sulphur dioxide was observed to be the highest in the last ten years.
 - d) The concentration of Sulphur dioxide and Nitrogen dioxide was similar to the one observed in the year 2000.
- 2.4 '...it is pertinent to mention that these data be treated as indicative rather than absolute.' Replace the word 'pertinent' with any one of the words given below. (1)
 - a) wrong b) relevant c) indispensable d) mandatory
- 2.5 How many observations are made by the National Air Quality Monitoring Programme annually? (1)
 - a) 793 b) 104 c) 344 d) 29
- 2.6 PM10 was highest in the year _____. (1)
- 2.7 Why does CPCB co-ordinate with other agencies? (1)
- 2.8 Infer benefits of having Central Pollution Control Board for a country. Answer in about 40 words. (2)

SECTION - B : WRITING SKILLS & GRAMMAR

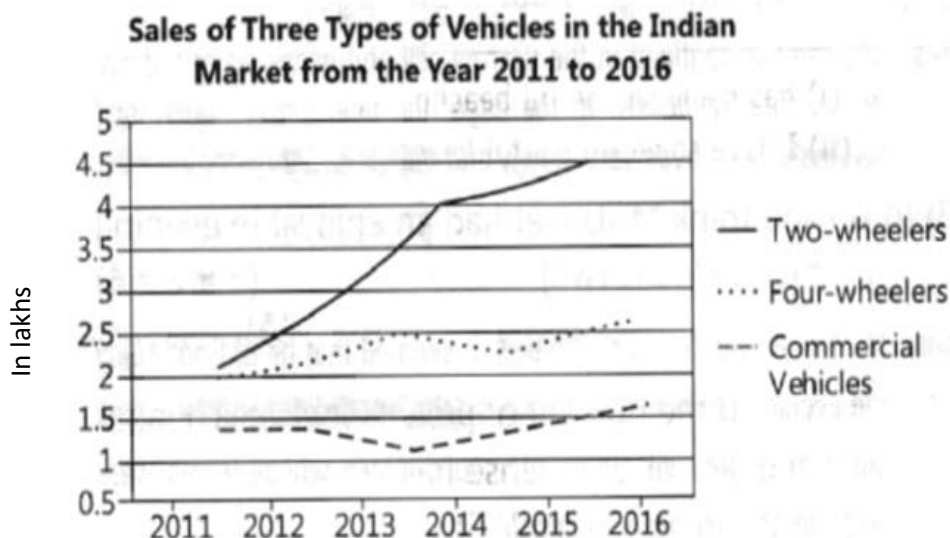
- 3. Complete ANY TEN of the following tasks: (1 x 10 = 10)
- 3.1 Fill in the blank by using the correct form of the word in the bracket. He _____ to school when his aunt arrived. (go)

5.A The given bar graph shows the increasing use of skin care products by men and women over the period of three months. Write an analytical paragraph elaborating the given information. (100 – 120 words) (5)



(OR)

5.B Study the given line graph carefully and summarise it into a paragraph of 100-120 words.



SECTION - D : LITERATURE

6.A Read the given extracts and answer the questions for ANY ONE of the two given. (5)

"We, who were outlaws not so long ago, have today been given the rare privilege to be host to the nations of the world on our own soil. We thank all of our distinguished international guests for having come to take possession with the people of our country of what is, after all, a common victory for justice, for peace, for human dignity."

(Nelson Mandela : A Long Walk to Freedom)

- i) The guests at the spectacular ceremony are being called "distinguished" because they _____. (1)
 - a) have been invited as guests to attend it
 - b) are eminent world leaders witnessing the ceremony
 - c) are visiting the country for this purpose
 - d) have not resumed diplomatic relations with the country
- ii) 'It is a victory for human dignity'. Explain. (2)
- iii) Why does the speaker say that it is a 'rare privilege'? (1)
- iv) What is the speaker's state of mind? Choose the correct option. (1)
 - a) emotional, elated, unmindful.
 - b) elated, unmindful, overwhelmed.
 - c) overwhelmed, elated, honoured.
 - d) elated, honoured, unmindful.



(OR)

6.B "I ought to go back to Paris," I thought, but I wanted to get home. I wanted that breakfast. 'I'll take the risk', I thought and flew that old Dakota straight into the storm. Inside the clouds, everything was suddenly black. It was impossible to see anything outside the aeroplane. The old aeroplane jumped and twisted in the air. I looked at the compass. I couldn't believe my eyes, the compass was turning round and round. It was dead. It wouldn't work.

(Two Stories about Flying)

- i) What motivated the narrator to keep flying to England? (1)

- ii) The devices in the poem were malfunctioning. True or False. (1)
- iii) Why did it become impossible for the narrator to see? (1)
- iv) What was the risk? (2)

7. Attempt any one from A and B given below:

- A. Read the following extract and answer the questions that follow: (5)

*What is the boy now, who has lost his ball,
What, what is he to do? I saw it go
Merrily bouncing, down the street and then
Merrily over there it is in the water!
No use to say 'O there are other balls'*

(The Ball Poem)

- i) Name the poet of the above lines. (1)
- ii) State whether the following statement is True or False : (1)
The poet was delighted to watch the ball bouncing down the street into the water.
- iii) What is Anaphora? Explain the poetic device by giving the example from the given lines. (2)
- iv) "No use to say 'O there are other balls'" indicates that the poet feels that it would not be _____ to console the boy. (1)
a) helpful b) useless c) easy d) shameful

(OR)

B.

*He should be lurking in shadow,
Sliding through long grass
Near the water hole
Where plump deer pass.*

(Tiger in the Zoo)

- i) According to the extract, the poet wishes for the tiger to be 'sliding' through the foliage as this would _____. (1)
a) assist in keeping the prey unsuspecting of the sound
b) aid in camouflaging the presence of the predator before it rushes in
c) help the predator pounce on the prey comfortably without getting tired
d) support the predator's vision as it eyes its prey
- ii) Name the poet of the above lines. (1)
- iii) Pick the option that DOES NOT use 'lurking' correctly to fill in the blank. (1)
a) The thug was _____ in the alley late evening, for unsuspecting passers-by.
b) The hyena was _____ in its den after a good meal.
c) The detective cautioned her team about the _____ dangers likely to impact the case.
d) The prejudices _____ beneath the surface create misunderstandings.
- iv) What does the poet say about a tiger in his natural habitat? (2)

8. Answer ANY FOUR of the following five questions, in about 40-50 words: (4 x 3 = 12)
- i) How far do you agree that one's positivity can bring a spark of brightness even in adverse circumstances? (A LETTER TO GOD)
 - ii) Why did the family ignore the seagull? How did the seagull try to catch the attention of the family? (Two Stories about Flying)
 - iii) Would you agree that the poet has an in-depth knowledge of the wild animals? Support the statement in context of the poem "How to Tell Wild Animals".
 - iv) Clarify why is it fair to say that Mr Keesing was innovative with his punishments? (From the Diary of Anne Frank)
 - v) "You seem to have done your homework before coming." Who has done the homework and why is it so impressive? (Glimpses of India)
9. Answer ANY TWO of the following questions, in about 40-50 words: (2 x 3 = 6)
- i) The story, *A Triumph of Surgery* is a powerful example of the importance of saying "no". Explain.
 - ii) What were the subtle ways in which the lady managed to deceive Horace Danby? (A Question of Trust)
 - iii) Why was the strange scientist suspected of having a hand in the burglary? (Footprints Without Feet)
10. Answer ANY ONE of the following, in about 100-120 words: (1 x 6 = 6)
- A. Through the poem 'Fire and Ice' the poet gives a message to create a harmonious world. Comment.
 - B. The chapter "Glimpses of India" successfully gives a glimpse of India. Justify the statement.
11. Answer ANY ONE of the following, in about 100-120 words: (1 x 6 = 6)
- A. "Never judge a book by its cover". Analyze this with reference to the character of Ausable in the story "Midnight Visitor".
 - B. "Everyone must have a chance to reform". How did Anil work upon these values? (The Thief's Story)