

1

Self Assessment Paper

Solved _____

General Instructions :

1. This paper is divided into two parts: A and B. All questions are compulsory.
2. Separate instructions are given with each section and question, wherever necessary. Read these instructions very carefully and follow them.
3. Do not exceed the prescribed word limit while answering the questions.

PART-A

(40 MARKS)

READING

(20 MARKS)

Q. 1. Read the passage given below and answer any ten of the questions that follow : (10×1 = 10)

- (1) An escalating epidemic of overweight and obesity is affecting many countries in the world; more than 300 million people are overweight or obese. Obesity could be region specific. In India, some people tend to be overweight because of their high calorie diet and lack of physical activity. In the United States, obesity is more prevalent in lower economic groups. Obesity is now well recognized as a disease in its own right. Though, obesity commonly means very overweight, it is defined as an excess amount of body weight that includes muscles, bone, fat and water. 'Obesity' specifically refers to an excess amount of body fat. Some people such as body builders or other athletes with a lot of muscle, can be overweight without being obese.
- (2) A certain amount of body fat is needed for stored energy, heat insulation, shock absorption and other functions. Generally, women have more body fat than men. Usually men with more than 25% body fat and women more than 30% body fat are regarded as obese. Obesity tends to run in families suggesting a genetic cause. Environmental factors mean lifestyle behaviour such as what a person eats and his or her level of physical activity. Although you cannot change your genetic makeup, you can change your eating habits and levels of activity. You can learn how to choose more nutritional meals which are low in fat to become more active.
- (3) Then there are psychological factors. Negative emotions such as boredom, sadness or anger, respond to people who overeat. There is also 'binge eating' i.e. when people eat large amounts of food thinking that they cannot control how much they are eating. Those with the most severe binge eating problems are also likely to have symptoms of depression

and low self-esteem. These people may have more difficulty in losing weight and keeping it off, than people without binge eating problems.

- (4) Obesity is more than a cosmetic problem; it is a health hazard. Several serious medical conditions have been linked to obesity, including type-2 diabetes, heart disease, high blood pressure and heart stroke. Obesity is also linked to higher rates of certain types of cancer. Other diseases and health problems linked to obesity include gall bladder disease and gallstones, liver disease and osteoarthritis which leads to deterioration of joints and gout which also affect the joint and reproductive problems in women.
- (5) As the trend is to equate attractiveness with slimness, especially for women, obesity makes people feel unattractive. There are many methods of treatment but, the benefits of exercise are much more than any other way of losing weight. Not only does exercise help you lose weight but also improves your fitness and flexibility and improves skin texture. Exercises are also free from the side effects of crash dieting, slimming capsules and the heat treatment used by slimming centres.

On the basis of your reading of the above passage, answer any ten of the following by choosing the correct option:

- (i) Obesity is more prevalent in lower income group in
 - (a) India
 - (b) through out the world
 - (c) United States
 - (d) none of the above
- (ii) More than million people in the world are obese making it an epidemic.
 - (a) 200
 - (b) 300
 - (c) 400
 - (d) 500
- (iii) What among the following are considered as obese?
 - (a) men with 35% body fat
 - (b) women with 25% body fat
 - (c) men with 30% body fat
 - (d) women with 30% body fat
- (iv) can be the cause of a person being obese.
 - (a) Environmental factors
 - (b) Heredity
 - (c) Psychological factors
 - (d) All the above
- (v) are considered as negative emotions.
 - (a) lifestyle behaviour
 - (b) boredom
 - (c) sadness and anger
 - (d) boredom, sadness and anger
- (vi) People with binge-eating problem may have also.
 - (a) depression
 - (b) confidence
 - (c) confidence and high self esteem
 - (d) depression and low self esteem
- (vii) Obesity can be taken as
 - (a) pandemic
 - (b) endemic
 - (c) epidemic
 - (d) none of these
- (viii) Exercises are free from the side effects of
 - (a) crash dieting
 - (b) cold treatment used by slimming centres
 - (c) clash dieting
 - (d) binge eating
- (ix) Find a word in para, which is the antonym of 'abundance'.
 - (a) obese
 - (b) lack
 - (c) escalating
 - (d) affect
- (x) The synonym of 'intense' in para 3 is
 - (a) depression
 - (b) self-esteem
 - (c) severe
 - (d) control
- (xi) The word which means the same as 'to make work decline in para 4 is
 - (a) negative
 - (b) deterioration
 - (c) depression
 - (d) stroke

(xii) The antonym of 'rigidity' in para 5 is

- | | |
|-----------------|------------------|
| (a) flexibility | (b) slimming |
| (c) losing | (d) unattractive |

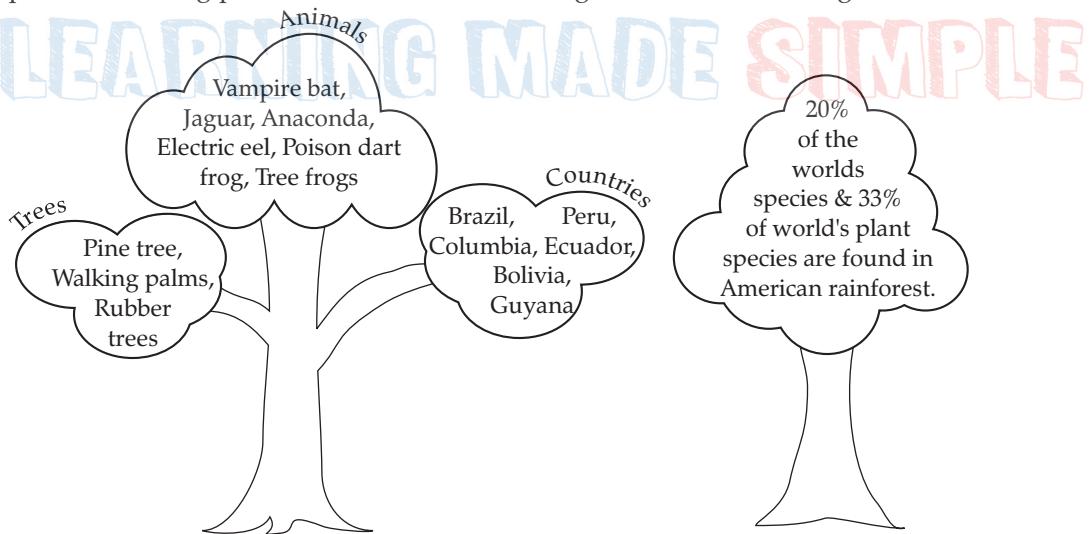
Q. 2. Read the passage given below and answer the questions that follow : (10×1 = 10)

(Ten out of twelve questions to be answered)

The Amazon is the world's largest tropical rainforest. It covers an area of nearly 2.8 million square miles, which is about the size of the continent of Australia. The Amazon rainforest gets its life from the majestic Amazon river, the world's second largest river, which runs directly through the heart of the region. The rainforest itself is simply the drainage basin for the river and its many tributaries. The vast forest itself consists of four layers, each featuring its own ecosystem and specially adapted plants and animals.

The forest floor is the lowest region. Since only two per cent of the sunlight filters through the top layers to the understory, very few plants grow here. The forest floor, however, is rich with rotting vegetation and the bodies of dead organisms, which are quickly broken down into nutrients and integrated into the soil. Tree roots stay close to these available nutrients and decomposers such as millipedes and earthworms use nutrients for food.

The understory is the layer above the forest floor. Much like the forest floor, only about 2-5 per cent of the sunlight reaches this shadowy realm. Many of the plants in the understory have large, broad leaves to collect as much sunlight as possible. The understory is so thick that there is very little air movement. As a result, plants rely on insects and animals to pollinate their flowers. The layer above the understory is the canopy. This is where much of the action in the rainforest occurs. Many canopy leaves have specially adapted leaves which form "drip tips". Drip tips allow water to flow off the leaves which prevents mosses, fungi, and lichens from occupying the leaves. Leaves in the canopy are very dense and filter about 80 per cent of the sunlight. The canopy is where the wealth of the rainforest's fruits and flowers grow. Bromeliads-cup-like plants, provide drinking pools for animals and breeding locations for tree frogs.



Size: 5.5 million km. sq.

On the basis of your understanding of the passage, choose the correct option.

(i) The Amazon is the world's largest river.

- | | |
|-----------|------------|
| (a) first | (b) second |
| (c) third | (d) fourth |

(ii) Which of the following is not true about the Amazon rainforest?

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|---|
| (a) It covers an area about the size of the continent of Australia. |
| (b) It gets its life from Amazon river. |
| (c) The Amazon forest consists of three layers. |
| (d) Very few plants grow in the forest Flora. |

- (iii) percent of world's plant species are found in the Amazon rain forest.
- (a) 33%
 - (b) 43%
 - (c) 30%
 - (d) 20%
- (iv) According to the information given above, some of the animals found in the Amazon rainforest are :
- (a) Vampire bat, bear
 - (b) tigers, fox
 - (c) jaguars, vampire bats
 - (d) anaconda, walking palms
- (v) The plants in the understory have leaves.
- (a) small
 - (b) thin & small
 - (c) large and broad
 - (d) tiny
- (vi) Leaves in the canopy filter eighty percent of in the Amazon rainforest.
- (a) sunshine
 - (b) air
 - (c) water
 - (d) rain
- (vii) Why is there very little air movement in the under story?
- (a) it is the layer above the forest floor
 - (b) very few plants grow here
 - (c) understory is so thick and also covered with large, broad leaves
 - (d) 2.5 percent of the sunlight reaches this shadowy realm
- (viii) What is the layer above the understory called?
- (a) top layer
 - (b) canopy
 - (c) canopy
 - (d) None of the above
- (ix) How are bromeliads useful for animals and tree frogs?
- (a) allow water to flow off the leaves
 - (b) provide drinking pools
 - (c) provide nutrients
 - (d) filters about 80 per cent of the sunlight
- (x) Find the word from the passage which means 'grand'.
- (a) miles
 - (b) majestic
 - (c) vast
 - (d) None of the above
- (xi) The word which is the antonym of 'unmixed' in para 2 is
- (a) filters
 - (b) integrated
 - (c) rotting
 - (d) decomposers
- (xii) The word which means the same as 'stops' in the last paragraph is
- (a) prevents
 - (b) canopy
 - (c) occurs
 - (d) dense

LITERATURE

Q. 3. Read the extract given below and attempt ANY ONE by answering the questions that follow : $(5 \times 1 = 5)$

A headmaster once told his father that what Einstein chose as a profession wouldn't matter, because "he'll never make a success at anything." Einstein began learning to play the violin at the age of six, because his mother wanted him to; he later became a gifted amateur violinist, maintaining this skill throughout his life.

- (i) The headmaster's opinion about Einstein was that he would in life.
- (a) be successful
 - (b) not fail
 - (c) never be successful
 - (d) rise
- (ii) How long did he maintain his skill as a violinist?
- (a) 2 years
 - (b) long time
 - (c) throughout his life
 - (d) none of the above

OR

"But it was for your b-b-birthday." Down came the ruler on her little, pink palms. Hours later, when Grandmother had wrapped her in a shawl and rocked her in the rocking-chair, the child clung to her soft body. "What did God make fathers for?" she sobbed.

Q. 4. Read the extract given below and attempt ANY ONE by answering the questions that follow : $(5 \times 1 = 5)$

Wind, come softly

Don't break the shutters of the windows.

Don't scatter the papers

Don't throw down the books on the shelf

To know about more useful books for class-9 [click here](#)

OR

He came to the door of a cottage,
In travelling round the earth,
Where a little woman was making cakes,
And baking them on the hearth.

Q. 5. Read the dialogue and complete ANY THREE of the passage given below by choosing the correct option from those given : (3×1 = 3)

Manu: Is there any problem with the car?

Woman: I've a flat tyre, but I just don't know how to change the tyre.

Manu: Let me give you a helping hand. I will try to do it.

Woman: Oh! that very nice of you, thanks so much indeed, you were a great help.

Manu: It was my pleasure.

Manu saw a woman standing near her car by the road. He asked her (i) The woman replied (ii) ... but (iii) Manu offered to the lady a helping hand. The woman thanked him and said (iv) The Manu replied that it was his pleasure to be of help.

- Q. 6.** Read the passage given below and fill in the blanks by choosing the most appropriate words from the given options. $(3 \times 1 = 3)$

Sir Winston Churchill was a British statesman, painter and writer(i)..... some have labelled as the greatest man ever to speak English language. But many call him the greatest English man(ii)..... the present century. While in India, he taught himself to write good prose and he(iii)..... a grand masterly style which captured the greatness of his times.

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|--------------------|-------------|---------------|----------------|
| (i) (a) who | (b) which | (c) whom | (d) whose |
| (ii) (a) and | (b) of | (c) but | (d) nor |
| (iii) (a) develops | (b) develop | (c) developed | (d) developing |

- Q. 7.** Fill in the blanks by choosing the correct options for ANY FOUR of the six sentences given below : $(4 \times 1 = 4)$

(i) There are more 6,000 million people living on our planet.

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|----------|----------|
| (a) then | (b) some |
| (c) than | (d) over |

(ii) The traditional colours of Christmas red and green.

- | | |
|---------|----------|
| (a) is | (b) was |
| (c) are | (d) were |

(iii) Haemophilia is a disorder by a defective gene.

- | | |
|-------------|----------------|
| (a) cause | (b) caused |
| (c) causing | (d) has caused |

(iv) I shall continue my studies I fail.

- | | |
|--------------|-------------|
| (a) although | (b) however |
| (c) moreover | (d) even if |

(v) I wish I a bird!

- | | |
|----------|---------|
| (a) were | (b) was |
| (c) am | (d) has |

(vi) A man on a bicycle will go than a man on foot.

- | | |
|-------------|-------------|
| (a) fast | (b) faster |
| (c) fastest | (d) as fast |

PART-B

(40 MARKS)

WRITING

- Q. 8.** Attempt ANY ONE of the following in 100-120 words :

(5 marks)

[A] Write a short description of Shivaji, the Great Maratha. Use the hints given below :

Born in 1627... in the hillfort of Shivneri... father-Jagirdar, Mother-Jijabai – a religious lady... influenced by Guru Ramdas;... learnt horse-riding, swimming, use of weapons at a young age... won the fort of Toran, built a strong fort at Durg... killed Afzal Khan... Aurangzeb sent Shaista Khan but lost battle... became independent king... source of inspiration.

OR

[A] Make an entry in your diary on your hesitation to speak in English and you wish to improve your English speaking skills.

- Q. 9.** Attempt ANY ONE of the following in 100-120 words :

(5 marks)

Write a short story on the basis of the given clues :

Robert Bruce, king of Scotland – often fought for the freedom of the country – no success – hiding in a cave – dejected – a spider drops by its thread from the ceiling – tries to get back to its web – again drops – succeeds in ninth attempt – inspired by the example, Bruce tries again.

OR

Develop a story with the following beginning. Also give a suitable title.

An old couple was living in Shobit's adjacent flat. One day, he saw some commotion in their house. He went there and found.

LITERATURE

Q. 10. Answer ANY TWO of the following in 20-30 words each from (A) & (B) respectively : (4×2 = 8)

- A. (i) Describe the central idea of the poem, "Wind".
- (ii) Why did emperor Aurangazeb ban the playing of Pungi in the royal residence?
- (iii) Where did the snake hide itself?
- [AI]** B. (i) What did Prashant do for the orphans?
- (ii) Why did the king decide to postpone the execution of the Guru and his disciple?
- [AI]** (iii) Why did the grandfather decide to take Toto along with him to Dehradun?

Q. 11. Answer any four of the following in 40-50 words : (4×3 = 12)

- A. (i) How did the child react when there was no sign of his parents?
- (ii) How did Maria achieve her success?
- [AI]** (iii) 'They can't hang me twice' who said this and too whom 'If I where you'? What did the speaker mean?
- [AI]** B. (i) Animals too feel the pain of separation. Elucidate with reference to the story *The Bond of Love*.
- (ii) Who is the real culprit according to the king? Why does he escape from the punishment?
- (iii) Why does Sue rush down to meet Mr. Behrman?

Q. 12. Answer ANY ONE of the following in 100-120 words : (5 marks)

- A. Does the poem, *The Road Not Taken*, symbolise or reveal a meaning or aspect of freedom or responsibility?

OR

- B. What incident took place at the Rameshwaram Elementry School when a new teacher came to the class?

Q. 13. Answer any one of the following in 100-120 words : (5 marks)

- A. The cat and the author are very fond of each other. How has this been shown in *A House is Not a Home*?

OR

- [AI]** B. Explain why Sergie is extremely delighted to see Lushkoff at the theatre.



Finished Solving the Paper ?
Time to evaluate yourself !
<https://qrqo.page.link/F9BLH>

OR
SCAN THE CODE



For elaborate Solutions

OSWAAL COGNITIVE
LEARNING TOOLS

स्वतः मूल्यांकन प्रश्न-पत्र

सामान्य निर्देश :

- प्रश्न-पत्र चार खंडों में विभाजित किया गया है—क, ख, ग एवं घ। सभी प्रश्न अनिवार्य हैं।
- खंड—क में प्रश्न 1 अपठित गद्यांश पर आधारित हैं।
- खंड—ख में प्रश्न संख्या 2 से 6 तक प्रश्न हैं।
- खंड—ग में प्रश्न संख्या 7 से 11 तक प्रश्न हैं।
- खंड—घ में प्रश्न संख्या 12 से 16 तक प्रश्न हैं।
- यथासंभव प्रत्येक खंड के प्रश्नों के उत्तर क्रम से लिखिए।
- उत्तर संक्षिप्त तथा क्रमिक होना चाहिए और साथ ही दी गई शब्द-सीमा का यथासंभव अनुपालन कीजिए।
- प्रश्न-पत्र में समग्र पर कोई विकल्प नहीं है तथापि दो-दो अंकों वाले 2 प्रश्नों में, तीन-तीन अंकों वाले एक प्रश्न में और पाँच-पाँच अंकों वाले छह प्रश्नों में आंतरिक विकल्प दिए गए हैं। पूछे गए प्रश्न का उत्तर लिखने के लिए सही विकल्प का चयन कीजिए।
- इनके अतिरिक्त, आवश्यकतानुसार, प्रत्येक खंड और प्रश्न के साथ यथोचित निर्देश दिए गए हैं।

खंड 'क' : अपठित गद्यांश

10 अंक

1. निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए—

शाहजहाँ जब मुगल सम्राट हुआ तब उसने निश्चय किया कि राज्य की राजधानी आगरा से पुराने स्थान दिल्ली पर स्थानान्तरित की जाए क्योंकि आगरा की गर्मी से वह परेशान था। उसने यमुना नदी के दाहिने किनारे, जहाँ सलीमगढ़ था, शाहजहाँनाबाद नामक नगर की नींव डाली। वह अपने रहने के लिए परकोटे के भीतर एक विशाल भवन बनवाना चाहता था। सन् 1638 ई. में उसने लाल रंग का प्रसिद्ध विशाल लाल किला बनवाना प्रारंभ किया, जिसके निर्माण में लगभग दस साल लगे और सन् 1648 ई. में वहाँ राजधानी आई। इस किले के भीतर शाहबुर्ज, रंगमहल, मुमताज महल, दीवाने खास, शाह मंडल आदि इमारतें बनाई गईं जिनकी देखरेख स्वयं शाहजहाँ ने की। दिल्ली का लाल किला इकत्तीस सौ फुट लम्बा और सोलह सौ पचास फीट चौड़ा है और उत्तर से दक्षिण तक फैला हुआ है। ज़मीन की ओर इसकी दीवार अत्यंत मोटी और विशाल है।

प्रश्न :

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| (क) मुगल साम्राज्य की राजधानी को किसने और कहाँ पर स्थानान्तरित किया ? | 2 |
| (ख) यमुना नदी के किनारे किस नगर की नींव डाली गई ? उसका नाम पहले क्या था ? | 2 |
| (ग) 'इसकी दीवार <u>अत्यंत</u> मोटी और विशाल है।' रेखांकित शब्द को व्याकरण की दृष्टि से क्या कहेंगे ? | 1 |
| (घ) शाहजहाँ ने लाल किले के भीतर कौन-कौन सी इमारतें बनवाई ? | 2 |
| (ङ) दिल्ली के लाल किले का क्षेत्रफल क्या है ? | 2 |
| (च) शाहजहाँ ने राजधानी को स्थानान्तरित करने का निर्णय क्यों लिया ? | 1 |

खंड 'ख' : व्याकरण

2. निम्नलिखित प्रश्नों के सही विकल्प छाँटकर लिखिए—
 (क) शब्दों से किसका निर्माण किया जाता है? 1
 (i) पद। (ii) वाक्य।
 (iii) वर्ण। (iv) ध्वनि।
 (ख) 'गुलाब का फूल सुन्दर है।' में 'गुलाब' है— 1
 (i) शब्द। (ii) वर्ण।
 (iii) पद। (iv) वाक्य।
3. (क) अनुस्वार चिह्न के उचित प्रयोग वाला शब्द है— 1
 (i) संभावना। (ii) सुंगधित।
 (iii) असंभव। (iv) सयोंग।
 (ख) अनुनासिक चिह्न के उचित प्रयोग वाला शब्द है— 1
 (i) वस्तुएँ। (ii) गँगा।
 (iii) आखँ। (iv) दिनांक।
4. (क) 'सम्पूर्ण' शब्द में उचित उपसर्ग है— 1
 (i) सम्। (ii) संम।
 (iii) सम। (iv) सम्य।
 (ख) 'बनावट' शब्द में उचित उपसर्ग है— 1
 (i) नावट। (ii) वट।
 (iii) आवट। (iv) अट।
 (ग) 'सामाजिक' शब्द में मूल शब्द व प्रत्यय है— 1
 (i) सामाज + इक। (ii) सामाजि + क।
 (iii) समाज + इक। (iv) सामा + जिक।
 (घ) 'वैज्ञानिक' शब्द में उचित प्रत्यय है— 1
 (i) इक। (ii) क।
 (iii) इक। (iv) निक।
5. (क) 'मल-मल्ल' श्रुतिसम्भिन्नार्थक शब्द के अर्थ बताइए— 1
 (i) रेशम-पहलवान। (ii) गंदगी-रक्षक।
 (iii) रेशम-रक्षक। (iv) गंदगी-पहलवान।
 (ख) 'अपेक्षा-उपेक्षा' श्रुतिसम्भिन्नार्थक शब्द के अर्थ बताइए— 1
 (i) आशा-तिरस्कार। (ii) आशा-आशंका।
 (iii) निंदा-आशंका। (iv) निंदा-तिरस्कार।
 (ग) 'अतिथि' का पर्यायवाची नहीं है— 1
 (i) अभ्यागत। (ii) आगंतुक।
 (iii) मेहमान। (iv) महानुभाव।
 (घ) 'अनुचर' का पर्यायवाची नहीं है— 1
 (i) सेवक। (ii) दास।
 (iii) निशाचर। (iv) परिचारक।
 (ङ) 'अनावृष्टि' का विलोम बताइए— 1
 (i) सृष्टि। (ii) अतिवृष्टि।
 (iii) जलवृष्टि। (iv) वृष्टि।
 (च) 'अगोचर' का विलोम बताइए— 1
 (i) अतोद्विद्य। (ii) अगम्य।
 (iii) अदृश्य। (iv) गोचर।

प्रतिदर्श प्रश्न-पत्र

6.	(क) 'शायद मैं आज जाऊँ।' अर्थ की दृष्टि से वाक्य है— (i) निषेधवाचक। (ii) विधानवाचक। (iii) इच्छावाचक। (iv) संदेहवाचक।	3
	(ख) 'मैं कल नहीं आऊँगा।' अर्थ की दृष्टि से वाक्य है— (i) निषेधवाचक। (ii) विस्मयादिवाचक। (iii) संकेतवाचक। (iv) इच्छावाचक।	1

रवंड 'ग' : पाठ्य-पुस्तक व पूरक पाठ्य-पुस्तक

28 अंक

(अ) गद्य खण्ड

7.	निम्नलिखित प्रश्नों के उत्तर लगभग 30-40 शब्दों में लिखिए— (क) 'दुःख का अधिकार' कहानी में खरबूजे बेचने वाली के खरबूजे क्यों नहीं बिक रहे थे ? (ख) एकरेस्ट की चोटी पर कौन-सी समस्या खतरा बनकर खड़ी थी ? (ग) लेखक ने अतिथि का स्वागत किस प्रकार किया ?	$2 \times 3 = 6$
8.	लगभग 80-100 शब्दों में उत्तर लिखिए— "बातचीत की उछलती गेंद चर्चा के क्षेत्र के सभी कोनों से टप्पे खाकर फिर सेंटर में आकर चुपचाप पड़ी है।" आशय स्पष्ट कीजिए।	5

अथवा

"अब तो, आपका पूजा-पाठ न देखा जाएगा। आपकी भलमनसाहत की कसौटी केवल आपका आचरण होगी।" आशय स्पष्ट कीजिए।

(ब) पद्य खंड

9.	निम्नलिखित प्रश्नों के उत्तर 30-40 शब्दों में लिखिए— (क) मरघट पहुँचकर सुखिया के पिता ने क्या देखा ? (ख) स्वयं को बाती कहकर रैदास क्या सिद्ध करना चाहते हैं ? (ग) 'गंदे मुहल्लों के गंदे लोग' कौन होते हैं ? स्पष्ट कीजिए।	$2 \times 3 = 6$
10.	लगभग 80-100 शब्दों में उत्तर लिखिए— 'खुशबू रचते हैं हाथ' कविता का प्रतिपाद्य लिखिए।	5

अथवा

कवि रैदास ने अन्य कवियों जैसे नामदेव, कबीर, त्रिलोचन, सैन आदि की चर्चा क्यों की है ?

(स) पूरक पाठ्य-पुस्तक

11.	लगभग 60-70 शब्दों में उत्तर लिखिए—(कोई दो) (क) "यह धर्मयात्रा है, चलकर पूरी करूँगा।" गांधी जी ने ऐसा कब और क्यों कहा ? पठित पाठ के आधार पर लिखिए। (ख) 'सृति' पाठ के आधार पर बताइए कि लेखक कुर्से से चिट्ठी निकालने में किस प्रकार सफल हुआ ? (ग) "घायलों की सहायता के लिए धैर्य की आवश्यकता होती है।" गिल्लू के संदर्भ में स्पष्ट कीजिए।	$3 \times 2 = 6$
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रवंड 'घ' : लेखन

26 अंक

12.	निम्नलिखित में से किसी एक विषय पर दिए गए संकेत बिन्दुओं के आधार पर 80-100 शब्दों में अनुच्छेद लिखिए— (क) नर हो, न निराश करो मन को : (i) विपरीत परिस्थितियों में निराश न होना। (ii) मानव के गुण। (iii) कर्मशील मानव का हताशा न होकर गलतियों से सबक लेना। (ख) मेरे जीवन का लक्ष्य—फैशन डिजाइनर : (i) लक्ष्य कब कैसे बना ? (ii) अपनी पसंद और उपयोगिता।	6
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- (ग) गाँव में बिताया एक दिन :
- कब—कहाँ।
 - अनुभव।
 - विशेष बात।

[AI] 13. अपनी कक्षा में प्रथम स्थान पाने की शुभ सूचना अपने मामा जी को पत्र द्वारा दीजिए।

5

अथवा

पशु-पक्षियों के प्रति क्रूर व्यवहार न करने की सलाह देते हुए मित्र/सखी को पत्र लिखिए।

14. 'सहपाठियों' को 'बाल-दिवस' (14 नवम्बर) पर शुभकामना देते हुए संदेश लिखिए।

5

अथवा

'कोरोना महामारी' के कारण स्कूल न खुलने पर डिजिटल माध्यम से कक्षा लेने के लिए विद्यार्थियों को संदेश लिखिए।

15. समाज में लड़कियों की सुरक्षा को लेकर सवाल उठ रहे हैं। आत्म सुरक्षा की सीख देते हुए एक माँ और बेटी का संवाद 50-60 शब्दों में लिखिए।

5

अथवा

"दुनिया में भुखमरी और कुपोषण" विषय पर अपने मित्र के साथ संवाद 50-60 शब्दों में लिखिए।

16. नीचे दिए गए किसी एक विषय पर 20-30 शब्दों में नारा लिखिए—

5

बाल विवाह।

अथवा

रक्तदान।

Finished Solving the Paper ?

Time to evaluate yourself !

<https://qrgo.page.link/Hxowu>

OR

SCAN THE CODE



For elaborate
Solutions

OSWAAL COGNITIVE
LEARNING TOOLS



Self Assessment Paper

1

General Instructions :

1. This question paper contains two parts A and B.
2. Both Part A and Part B have internal choices.

Part - A :

1. It consists of two sections- I and II
2. Section I has 16 questions. Internal choice is provided in 5 questions.
3. Section II has four case study-based questions. Each case study has 5 case-based sub-parts.
An examinee is to attempt any 4 out of 5 sub-parts.

Part - B :

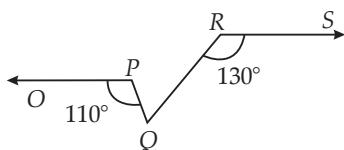
1. Question No 21 to 26 are Very short answer Type questions of 2 marks each,
2. Question No 27 to 33 are Short Answer Type questions of 3 marks each
3. Question No 34 to 36 are Long Answer Type questions of 5 marks each.
4. Internal choice is provided in 2 questions of 2 marks, 2 questions of 3 marks and 1 question of 5 marks.

PART - A

Section - I

Section I has 16 question of 1 mark each. Internal choice is provided in 5 questions.

1. What is the value of $(2/5)^{-3}$? 1
2. In triangles ABC and PQR, $AB = AC$, $\angle C = \angle P$ and $\angle B = \angle Q$. The two triangles are _____ but _____. 1
3. If $49x^2 - b = \left(7x + \frac{1}{2}\right)\left(7x - \frac{1}{2}\right)$, then find the value of b . 1
4. We multiply or divide both sides of a linear equation with a non-zero number, then the solution of linear equation _____. 1
5. In given figure, if $OP \parallel RS$, $\angle OPQ = 110^\circ$ and find $\angle QRS = 130^\circ$, then find $\angle PQR$. 1



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6. For drawing a frequency polygon of a continuous frequency distribution, we plot the points whose ordinates are the frequencies of the respective classes and abscissae are _____ of the classes respectively. 1

7. How many linear equations in x and y can be satisfied by $x = 1$ and $y = 2$? 1

OR

What is the equation of a line parallel to y -axis? 1

8. If $\frac{x}{y} + \frac{y}{x} = -1$ ($x, y \neq 0$), then find the value of $x^3 - y^3$. 1

9. The sides of a triangle are 56 cm, 60 cm and 52 cm long. What is the area of the triangle? 1

OR

What is the perimeter of a triangle with sides a, b and c ? 1

10. Two coins are tossed 1000 times and the outcomes are recorded as below :

Numbers of heads	2	1	0
Frequency	200	550	250

Based on this information, find the probability for at most one head. 1

OR

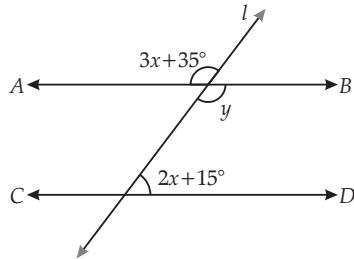
What is the sum of probability of all possible outcomes? 1

11. Upper limit – lower limit = _____. 1

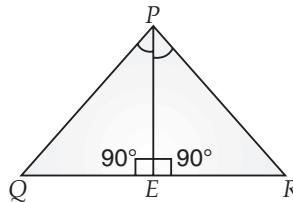
OR

A vertical column graph with spacing between bars is called a _____. 1

12. In the given figure, $AB \parallel CD$ and ' l ' is transversal, then calculate the value of ' x' . 1



13. In $\triangle PQR$, PE is the perpendicular bisector of $\angle QPR$, then prove that $PQ = PR$. 1



14. If the graph of $2x + ky = 5$ passes through the point $(-2, 1)$, find k . 1

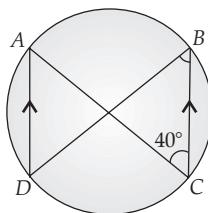
15. Expand : $\left(\frac{1}{3}x - \frac{2}{3}y\right)^3$ 1

OR

Factorize : $8x^3 - (2x - y)^3$ 1

16. In the given figure, $AD \parallel BC$ and $\angle BCA = 40^\circ$. The measure of $\angle DBC$ is equal to

1



Section - II

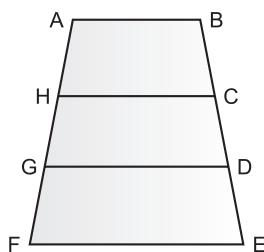
Case study based questions are compulsory. Attempt any four sub parts from each question. Each question carries 1 mark.

17. Father's Day is a celebration of fathers, honouring fatherhood, paternal bonds and the role fathers play in society.

On this day, children show acknowledgement and appreciation to their father for their contribution to their own families and society at large.



Rohan wants to show gratitude towards his father by giving him a hand-made card to him. He has pasted three trapezium one above the other as shown below. $AB \parallel HC \parallel GD \parallel FE$. Also, $BC = CD = DE$ and $GF = 6\text{ cm}$. He wants to decorate the card by putting up a coloured tape on non-parallel sides of trapezium.



Answer the following :

- (A) What statement is incorrect ?

1

- (i) A trapezium has only one pair of parallel lines.
- (ii) $ABEF$ is a trapezium
- (iii) $\angle F$ and $\angle E$ are base angle of trapezium $GDEF$.
- (iv) $ABDG$ is a parallelogram.

- (B) If $\angle A = 140^\circ$ then $\angle F =$

1

- | | |
|------------------|-----------------|
| (i) 50° | (ii) 30° |
| (iii) 40° | (iv) 20° |

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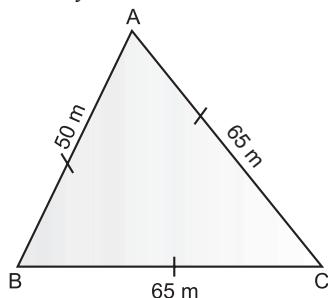
A survey was held on 200 drivers in a city with the aim to find the relationship between ages and accidents. Number of accidents in 4 weeks was recorded.

Age of Drivers (in years)	0 accidents	1 accidents	2 accidents	Above 2 accidents
18 – 30	17	23	37	20
30 – 50	13	20	14	11
Above 50	15	16	9	5

Look at the table and answer the following:

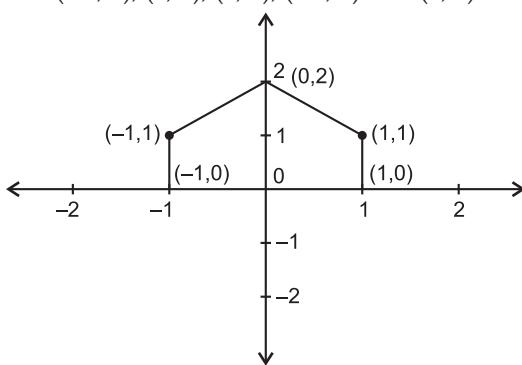
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19. A team is planning to construct a triangular field of sides 50 m, 65 m and 65 m. So, prepare a map for it. But before starting construction they want to clear following doubts :



20. Sohan draws a gate of a temple on the graph paper. He has following points :

(-1, 0), (1, 0), (1, 1), (-1, 1) and (0, 2)



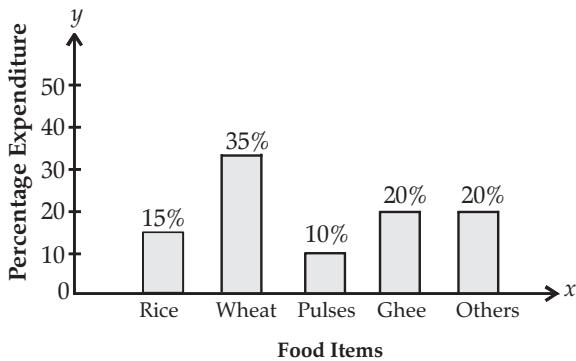
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Answer the below questions :

PART - B

All questions are compulsory. In case of internal choice attempt any one.

- U** 21. Read the bar graph. Find the percentage of excess expenditure on wheat than pulses and ghee taken together. 2



- [AI]22.** If the point $(2k - 3, k + 2)$ lies on the graph of the equation $2x + 3y + 15 = 0$, find value of k . 2

23. Expand : $\left(\frac{1}{3}x - \frac{2}{3}y\right)^3$ 2

24. Find the point at which the equation $3x - 2y = 6$ meets the x -axis. 2

25. Prove that “equal chords of a circle subtend equal angles at the centres.” 2

OR

If diagonals of a cyclic quadrilateral are diameters of the circle through the opposite vertices of the quadrilateral, prove that the quadrilateral is a rectangle. 2

26. Find the volume of a sphere whose surface area is 154 cm^2 . 2

OR

The total surface area of a solid hemisphere is 5940 cm^2 . Find the diameter of the hemisphere.

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- U** 27. Find the value of $\frac{4}{(216)^{-\frac{2}{3}}} - \frac{1}{(256)^{-\frac{3}{4}}}$. 3

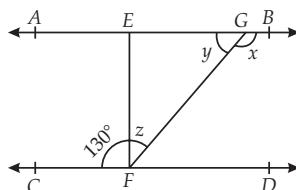
OR

Simplify : $\left(\frac{5^{-1} \times 7^2}{5^2 \times 7^{-4}}\right)^{\frac{7}{2}} \times \left(\frac{5^{-2} \times 7^3}{5^3 \times 7^{-5}}\right)^{-\frac{5}{2}}$ 3

28. Find the percentage increase in the area of a triangle, if its each side is doubled. 3

29. If $x^2 + \frac{1}{x^2} = 98$, then find value of $x^3 + \frac{1}{x^3}$. 3

30. In the figure, $AB \parallel CD$, $EF \perp CD$ and $\angle GFC = 130^\circ$. Find x , y and z . 3



31. Metallic spheres of radii 6 m, 8 m and 10 m, respectively are melted to form a single solid sphere. Find the radius of the resulting sphere. 3

OR

A dome of a building is in the form of a hemisphere. From inside, it was white washed at the cost of ₹ 997.92. If the cost of white washing is 400 paisa per square meter, find the volume of air inside the dome. (Take $\pi = \frac{22}{7}$) 3

32. Construct an angle of $52 \frac{1}{2}^\circ$, using compass and ruler. 3

33. A joker's cap is in the form of right circular cone of base radius 7 cm and slant height 25 cm. Find the area of sheet required for 10 such caps. 3

- AI** 34. Construct a ΔPQR in which $QR = 6$ cm, $\angle Q = 60^\circ$ and $PR - PQ = 2$ cm. 5

35. A school organised an adventure camp for students to Kanatal. The following table shows the participation of students in different types of adventure activities :

Type I \rightarrow trekking

Type II \rightarrow trekking and mountain climbing

Type III \rightarrow trekking, mountain climbing and rappelling

Type IV \rightarrow trekking, rappelling and rafting.

Type of activities	Number of students
Type I	75
Type II	62
Type III	55
Type IV	36
All	22

Find the probability that the student chosen at random participated in :

- (i) Type III activities.
- (ii) All the activities.
- (iii) Type I activity.
- (iv) Type II and Type IV activities

5

36. Prove that the diagonals of a square are equal and perpendicular to each other.

5

OR

[AI] ABCD is a quadrilateral in which the bisectors of $\angle A$ and $\angle C$ meet DC produced at Y and BA produced at X respectively.

Prove that, $\angle X + \angle Y = \frac{1}{2} (\angle A + \angle C)$

5



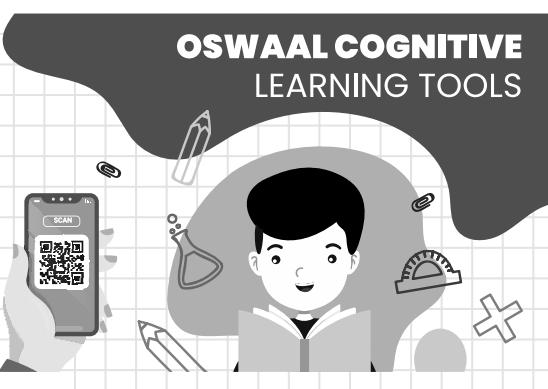
Finished Solving the Paper ?
Time to evaluate yourself !
<https://qrgo.page.link/ypRXu>

OR

SCAN THE CODE



For elaborate Solutions



1

Self Assessment Paper

General Instructions :

Read the following instructions very carefully and strictly follow them :

- (i) The question paper comprises four sections A, B, C and D. There are 36 questions in the question paper. All questions are compulsory.
- (ii) Section-A - question no. 1 to 20 - all questions and parts thereof are of one mark each. These questions contain multiple choice questions (MCQs), very short answer questions and assertion - reason type questions. Answers to these should be given in one word or one sentence.
- (iii) Section-B - question no. 21 to 26 are short answer type questions, carrying 2 marks each. Answers to these questions should be in the range of 30 to 50 words.
- (iv) Section-C - question no. 27 to 33 are short answer type questions, carrying 3 marks each. Answers to these questions should be in the range of 50 to 80 words.
- (v) Section-D - question no. - 34 to 36 are long answer type questions carrying 5 marks each. Answer to these questions should be in the range of 80 to 120 words.
- (vi) There is no overall choice. However, internal choices have been provided in some questions. A student has to attempt only one of the alternatives in such questions.
- (vii) Wherever necessary, neat and properly labeled diagrams should be drawn.

SECTION A

1. The atomic numbers of three elements X, Y and Z are 3, 11 and 17, respectively. State giving reason which two elements will show similar chemical properties ? 1
- [AI] 2. Why do producers always occupy the first trophic level on every food chain ? 1
3. What would be the colour of litmus in a solution of sodium carbonate ? 1
4. Name a salt which does not contain water of crystallisation. 1
- [AI] 5. Why is fertilization not possible without pollination ? 1
6. Which of the following reactions is an endothermic reaction ?
 - (a) Burning of coal.
 - (b) Decomposition of vegetable matter into compost.
 - (c) Process of respiration.
 - (d) Decomposition of calcium carbonate to form quick lime and carbon dioxide. 1

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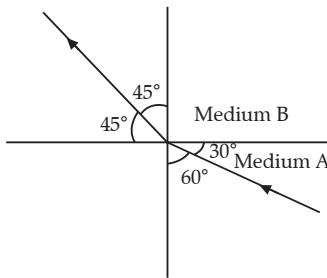
OR

Which of the following statements is not correct ?

- (a) All metal carbonates react with acid to give a salt, water and carbon dioxide.
- (b) All metal oxides react with water to give salt and acid.
- (c) Some metals react with acids to give salt and hydrogen.
- (d) Some non-metal oxides react with water to form an acid.

1

7. Figure shows a ray of light as it travels from medium A to medium B. Refractive index of the medium B relative to medium A is



(a) $\frac{\sqrt{3}}{\sqrt{2}}$

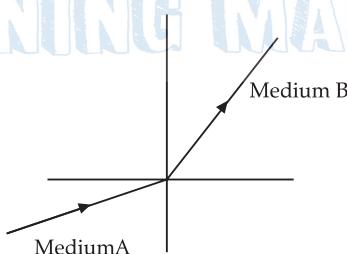
(b) $\frac{\sqrt{2}}{\sqrt{3}}$

(c) $\frac{1}{\sqrt{2}}$

(d) $\sqrt{2}$

OR

A light ray enters from medium A to medium B as shown in the figure. The refractive index of medium B relative to A will be



(a) Greater than unity

(b) Less than unity

(c) Equal to unity

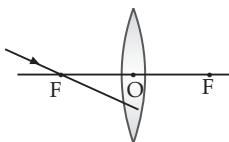
(d) Zero

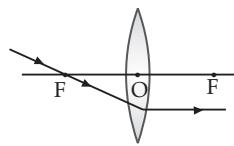
1

8. No matter how far you stand from a mirror, your image appears erect. The mirror is likely to be
- (a) Plane
 - (b) Concave
 - (c) Convex
 - (d) Either plane or convex

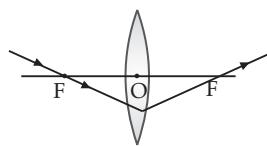
1

9. Which of the following ray diagrams is correct for the ray of light incident on a lens shown in figure ?

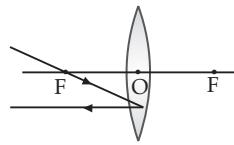




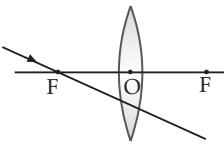
A



B



C



D

1

- (a) Fig. A
(c) Fig. C
- (b) Fig. B
(d) Fig. D

OR

Rays from sun converge at a point 15 cm in front of a concave mirror. Where should an object be placed so that size of its image is equal to the size of the object ?

- (a) 15 cm in front of the mirror
(b) 30 cm in front of the mirror
(c) Between 15 cm and 30 cm in front of the mirror
(d) More than 30 cm in front of the mirror

- [AI]** 10. If the current I through a resistor is increased by 100% (assume that temperature remains unchanged), the increase in power dissipated will be
(a) 100%
(b) 200%
(c) 300%
(d) 400%
11. An electric bulb is rated 220 V and 100 W. When it is operated on 110 V, the power consumed will be :
(a) 100 W
(b) 75 W
(c) 50 W
(d) 25 W

1

OR

Unit of electric power may also be expressed as :

- (a) Volt-ampere
(c) Watt-second
- (b) Kilowatt-hour
(d) Joule-second

- [AI]** 12. The phenomena of electromagnetic induction is
(a) the process of charging a body
(b) the process of generating magnetic field due to a current passing through a coil
(c) producing induced current in a coil due to relative motion between a magnet and the coil
(d) the process of rotating a coil of an electric motor
13. Which of the followings are environment-friendly practices ?
(a) Carrying cloth-bags to put purchases in while shopping
(b) Switching off unnecessary lights and fans
(c) Walking to school instead of getting your mother to drop you on her scooter
(d) All of the above

1

1

OR

Disposable plastic plates should not be used because :

- (a) they are made of materials with light weight.
(b) they are made of toxic materials.

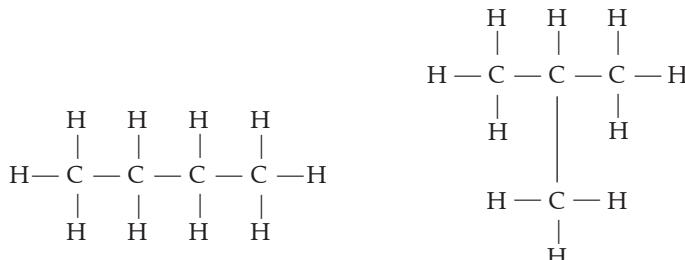
- (c) they are made of biodegradable materials.
 (d) they are made of non-biodegradable materials.

1

Directions : For question numbers 14 and 16, two statements are given- one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below :

- (a) Both A and R are true and R is correct explanation of the assertion.
 (b) Both A and R are true but R is not the correct explanation of the assertion.
 (c) A is true but R is false.
 (d) A is false but R is true

14. **Assertion :** Following are the structural isomers of butane.



Reason : Structural isomers have the same molecular formula but they differ in their structures.

1

15. **Assertion (A) :** The sky appears dark to passengers flying at a very high altitude.

Reason (R) : It is due to water droplets present in the atmosphere.

1

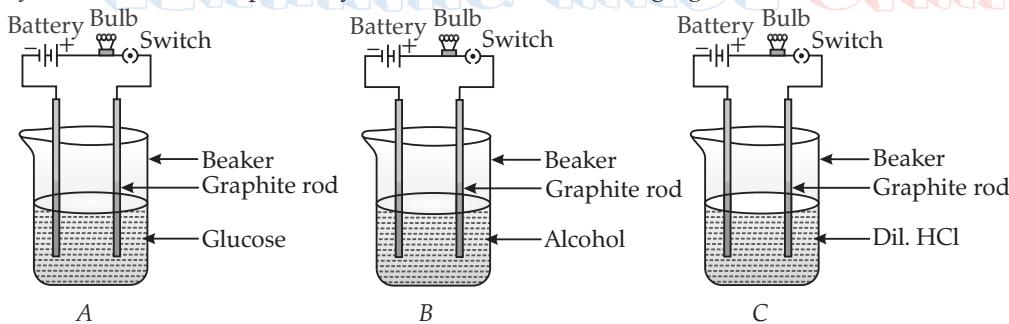
16. **Assertion (A) :** At puberty, in boys, voice begins to crack and thick hair grows on face.

Reason (R) : At puberty, there is decreased secretion of testosterone in boys.

1

Directions : Answer Q. No 17 - 20 contain five sub-parts each. You are expected to answer any four sub-parts.

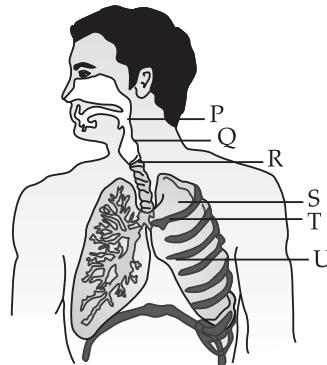
17. Suhana takes three beakers A, B and C filled with aqueous solutions of glucose, alcohol and hydrochloric acid respectively as shown in the following figure :



- (a) Which of the following statement is correct in terms of glowing of bulb when the switch is ON ?
- Bulb A and B do not glow but bulb C glows.
 - Bulb A and C do not glow but bulb B glows.
 - Bulb B and C do not glow but bulb A glows.
 - All the bulbs glow.
- (b) Justify your observations by giving reason in each case ?
- (c) Which of the following (major ions) are present in a dilute aqueous solution of hydrochloric acid ?
- | | |
|--|---|
| (i) H_3O^+ + Cl^- | (ii) H_3O^+ + OH^- |
| (iii) Cl^- + OH^- | (iv) Unionized HCl |
- (d) What will happen if the content of beaker B is replaced by sodium hydroxide solution?
- Bulb A did not glow but bulb B and C glows.
 - Bulb A and C do not glow but bulb B glows.

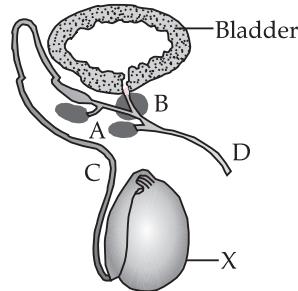
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- (iii) Bulb B and C do not glow but bulb A glows.
 (iv) All the bulbs glow.
- (e) Though the compounds such as glucose and alcohol have hydrogen atoms in their molecules yet they are not categorised as acids. Why ? 4
18. Study the diagram of human respiratory system and answer the following questions ?



- (a) The balloon like structures present in 'S' is:
- (i) Nephron
 - (ii) Alveoli
 - (iii) Bronchi
 - (iv) Bronchiole
- (b) Which of these organ is surrounded by cartilaginous rings ?
- (i) P
 - (ii) Q
 - (iii) R
 - (iv) S
- (c) Which of these statements is incorrect regarding human lungs?
- (i) It is the secondary organ for respiration.
 - (ii) It is located on the two sides of heart.
 - (iii) The membrane that encloses lungs is pleural membrane.
 - (iv) The alveolar epithelium of lungs is non-ciliated epithelium.
- (d) Trachea is divided into two smaller tubes called _____.
- (i) Bronchi
 - (ii) Bronchioles
 - (iii) Larynx
 - (iv) Alveoli
- (e) Which of these is the function of balloon like structure present in lungs?
- (i) Exchange of gases
 - (ii) Absorption of nutrients
 - (iii) Transport of food
 - (iv) Removal of waste materials 4

19. Carefully understand the given diagram of human male reproductive system and answer any four questions. 4

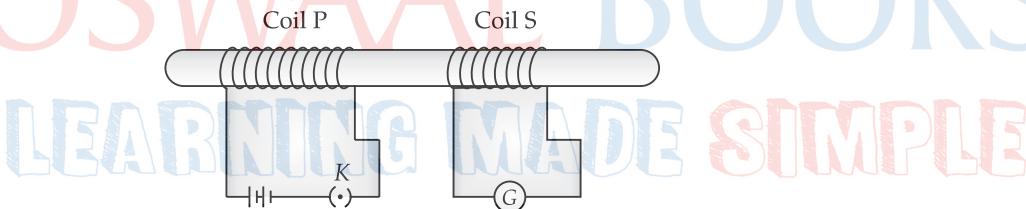


- (a) The parts labelled as A and B are _____ and _____ respectively.
- (i) Seminal vesicle and prostate gland
 - (ii) Prostate gland and seminal vesicle
 - (iii) Urethra and prostate gland
 - (iv) Urethra and seminal vesicle

- (b) Which of these hormones is produced by organ 'X'?
- (i) Estrogen
 - (ii) Progesterone
 - (iii) Testosterone
 - (iv) Adrenalin
- (c) Which of these is the function of the hormone released by organ X?
- (i) It controls gamete formation.
 - (ii) It develops sexual characteristics in human males.
 - (iii) It develops sexual characteristics in human females.
 - (iv) Both (i) and (ii)
- (d) The substances that are transported by tubes C and D respectively are:
- (i) C- Sperms, D- Semen and urine
 - (ii) C- Semen, D- Urine
 - (iii) C- Urine, D- Saliva
 - (iv) C- Sperms, D- Saliva
- (e) Which of the following statements is correct about sperms and eggs of humans ?
- (i) Sperms contain one of the two types of sex chromosomes i.e., X chromosomes and Y chromosomes
 - (ii) Egg contains one type of sex chromosomes only i.e., X chromosome.
 - (iii) Sperms contain one type of sex chromosomes only i.e. Y chromosome
 - (iv) Both (i) and (ii)

AI 20. Understand the given diagram and answer any four questions. 4

In the given diagram, two coils of insulated copper wire are wound over a non-conducting cylinder as shown. Coil P has larger number of turns.



- (a) What will you observe when key K is closed?
- (i) A momentary deflection shown by the galvanometer.
 - (ii) A momentary deflection shown by the galvanometer but in opposite direction.
 - (iii) No momentary deflection shown by the galvanometer
 - (iv) None of these.
- (b) Give reason for your observations.
- (c) Which of the phenomenon is involved in this?
- (i) Electromagnetic induction
 - (ii) Tyndall effect
 - (iii) Heating effect
 - (iv) Ohm's law
- (d) Name of two coils used in this experiment.
- (e) The rule which gives the direction of induced current is:
- (i) Fleming's right hand rule
 - (ii) Fleming's left hand rule
 - (iii) Maxwell right hand rule
 - (iv) Maxwell corkscrew rule

SECTION B

21. When Hydrogen gas is passed over heated copper (II) oxide, copper and steam are formed. Write the balanced chemical equation with physical states for this reaction. State what kind of chemical reaction is this ?

2

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Sample Question Papers

7

[AI] 22. What is bleaching powder ? How is it prepared? List two uses of bleaching powder.

2

23. Name the following :

- (i) A metal, which is preserved in kerosene.
- (ii) A lustrous coloured non-metal.
- (iii) A metal, which can melt while kept on palm.
- (iv) A metal, which is a poor conductor of heat.

2

OR

Arrange the metals iron, magnesium, zinc and copper in the increasing order of their reactivity.

What will be the two made by the student when iron filings are added to sulphate solution ? 2

[AI] 24. Give reasons for the following :

- (i) The muscular walls of ventricles are thicker than the walls of atria.
- (ii) Arteries have thick elastic walls.

2

OR

Draw a diagram of cross-section of the human heart and label the following parts :

- | | |
|---------------------|--------------------------|
| (i) Right ventricle | (ii) Aorta |
| (iii) Left atrium | (iv) Pulmonary arteries. |

2

25. How can we determine north and south pole of an electromagnet with the help of magnetised iron bar ? 2

[AI] 26. State the physical quantity which is equal to the ratio of potential difference and current. Define its SI unit. 2

SECTION C

[AI] 27. A compound 'X' of sodium is used as an antacid and it decomposes on strong heating.

- (i) Name the compound 'X' and give its chemical formula ?
- (ii) Write a balanced chemical equation to represent the decomposition of 'X' ?
- (iii) Give one use of compound 'X' besides an antacid ?

3

OR

(a) For the preparation of cakes, baking powder is used. If at home your mother uses baking soda instead of baking powder, how will it affect the taste of the cake and why ?

(b) How is baking soda be converted into baking powder ?

(c) What makes the cake soft and spongy ? 3

28. State reason for the following :

- (i) Non-metals cannot displace hydrogen from the acids.
- (ii) Hydrogen is not a metal, yet it is placed in the activity series of metals.
- (iii) Aluminium is more reactive than iron, yet its corrosion is less than that of iron.

3

[AI] 29. Write three types of blood vessels ? Give one important feature of each ? 3

30. In one of his experiments with pea plants Mendel observed that when a pure tall pea plant is crossed with a pure dwarf pea plants, in the first generation, F_1 , only tall plants appear.

(i) What happens to the traits of the dwarf plants in this case ?

(ii) When the F_1 generation plants were self-fertilised, he observed that in the plants of second generation, F_2 , both tall plants and dwarf plants were present. Why it happened ? Explain briefly.

3

31. How will you create an artificial aquatic ecosystem, which is self-sustainable ? 3

[AI] 32. It is desired to obtain an erect image of an object, using concave mirror of focal length of 12 cm.

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- (i) What should be the range of the object distance in the above case ?
(ii) Will the image be smaller or larger than the object ? Draw a ray diagram to show the formation of image in this case.
(iii) Where will the image of this object be, if it is placed 24 cm in front of the mirror ? 3

OR

- (i) Write the formula for Resistance in terms of ρ , L and A. If the area of cross section of wire is mode (i) $A/3$ (ii) $3A$.

- (ii) Find the Resistance in each case and write in which case it will be maximum and minimum.

33. Explain the role of UV radiation in formation of ozone with the help of a chemical reaction. Name the pollutant and write its role in depletion of ozone layer ? 3

SECTION D

34. (a) Define the following terms ?
(i) Valency, (ii) Atomic size.
(b) How do the valency and the atomic size of the elements vary while going from left to right along a period in the modern periodic table ? 5

OR

Two elements 'A' and 'B' belong to the 3rd period of Modern periodic table and are in group 2 and 13 respectively. Compare their following characteristics in tabular form :

- (i) Number of electrons in their atoms
(ii) Size of their atoms
(iii) Their tendencies to lose electrons
(iv) The formula of their oxides
(v) Their metallic character
(vi) The formula of their chlorides.

- AI** 35. (a) What is pollination ? Give its two types.
(b) Draw a longitudinal section of female reproductive part of a flower showing germination of pollen grain. Label on it the following :
(i) Stigma;
(ii) Pollen tube with a male germ cell;
(iii) Female germ cell. 5

36. (a) Write an activity for observing scattering of light in colloidal solution ?
(b) On the basis of this activity explain why sky appears red at sunrise or sunset ? 5

OR

What is Tyndall effect ? What is its causes ? Name two phenomena observed in daily life which are based on Tyndall effect. 5



Finished Solving the Paper ?

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OR

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Self Assessment Paper

General Instructions :

1. Question paper comprises five Sections - A, B, C, D and E. There are 32 questions in the question paper. *All questions are compulsory.*
2. **Section A :** Question no. 1 to 16 are Objective Type Questions of **1 mark** each.
3. **Section B :** Question no. 17 to 22 are Short Answer Type Questions, carrying **3 marks** each. Answer to each question **should not exceed 80 words.**
4. **Section C :** Question no. 23 to 26 are Source Based Questions, carrying **4 marks** each.
5. **Section D :** Question no. 27 to 31 are Long Answer Type Questions, carrying **5 marks** each. Answer to each question **should not exceed 120 words.**
6. **Section E :** Question no. 32 is Map Based, carrying **5 marks** with two parts, **32.1 from History (2 marks) and 32.2 from Geography (3 marks).**
7. There is no overall choice in the question paper. However, an internal choice has been provided in few questions. Only one of the choices in such questions have to be attempted.
8. In addition to this, separate instructions are given with each section and question, wherever necessary.

Section 'A'

(1 × 16 = 16)

(1)

1. What does the increase in unemployment indicate?
(a) More number of people are employed
(b) Fast economic growth of the country
(c) Zero economic growth of a country
(d) Slow economic growth of the country

[AI] 2. Assertion and Reason Type Questions :

(1)

In the question given below, there are two statements marked as Assertion (A) and Reason (R). Read the statements and choose the correct option.

Options are :

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
- (b) Both (A) and (R) are true and (R) is not the correct explanation of (A).
- (c) (A) is correct but (R) is wrong.
- (d) (A) is wrong but (R) is correct.

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Assertion (A) : Educated society has direct and indirect advantages.

Reason (R) : Educated and healthier people gain higher incomes.

Q1 3. Read the following information and write a single term for it : (1)

It is the form of money or assets, taken as a sign of the financial strength of an individual and assumed to be available for development or investment.

4. What is the movement of water in the oceans called? (1)

OR

AI Which winds account for rainfall along the Malabar coast?

5. How could you say China isn't a democratic country? (1)

OR

Who overthrew the democratically elected government in Pakistan?

[AI] 6. Choose the correct option from column A and B. (1)

	A		B
(a)	Motilal Nehru	(i)	Member of the Constituent Assembly.
(b)	B.R. Ambedkar	(ii)	Prepared a constitution for India in 1928.
(c)	Rajendra Prasad	(iii)	President of the Constituent Assembly.
(d)	Sarojini Naidu	(iv)	Chairman of the Drafting Committee.

AI 7. Arrange the following events in chronological order : (1)

- (1) Hitler was made Chancellor of Germany.
 - (2) Hitler committed suicide by gunshot in Berlin.
 - (3) Hitler reoccupied Rhineland.
 - (4) Hitler became the President of Germany.

Choose the correct option:

[AI] 8. Why did workers in England and Germany begin to form associations? (1)

OR

[AI] What demand was laid down by Lenin's 'April Theses' in relation to the banks?

9. Which position does India occupy in the world in context to plant diversity? (1)

[AI] 10. Fill in the blank :

forests are also known as tropical deciduous forests.

[AI] 11. Choose the correct option from Column I and Column II. (1)

	Column I		Column II
(a)	Sovereign	(i)	People have the Supreme Right to make decisions.
(b)	Republic	(ii)	Head of the state is an elected person.
(c)	Fraternity	(iii)	People should live like brothers and sisters.
(d)	Secular	(iv)	Government will favour only one religion.

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[AI] 12. Correct and rewrite the sentences :

(1)

Leaders of the freedom movement had an open mind about whether the country should be democratic or not after independence.

OR

Members of the Constituent Assembly of India held the same views on all provisions of the Constitution.

13. Study the given cartoon carefully :

(1)



Which of the following option best signifies this cartoon?

- | | |
|-----------------------|--------------------------|
| (a) Election in US | (b) Election in Iraq |
| (c) Election in China | (d) Election in Zimbabwe |

[AI] 14. The voter's list is also known as :

(1)

- | | |
|--------------------|-------------------------|
| (a) Election | (b) Voter Identity Card |
| (c) Electoral Roll | (d) None of these |

15. Which one of the following bio-reserves of India is not included in the world network of bioreserve?

(1)

- | | |
|--------------------|----------------|
| (a) Manas | (b) Nilgiri |
| (c) Gulf of Mannar | (d) Nanda Devi |

16. Fill in the blank :

(1)

- | | |
|---------------|--------------|
| (a) Magnitude | (b) Altitude |
| (c) Height | (d) Distance |

_____ refers to the height of a place above the sea level.

Section 'B'

(3 × 6 = 18)

[AI] 17. What was the condition of women in France in the 18th century?

(3)

18. Describe the conditions of the working women during the years from 1900 to 1930 in Russia.

(3)

OR

[AI] 19. Explain the contribution of Lenin in the Russian Revolution.

(3)

[AI] 20. What is natural vegetation? List down the four major types of vegetations identified in India.

(3)

[AI] 21. Mention any three discretionary powers of the Indian President.

(3)

OR

[AI] 22. What is a coalition government? Mention any two limitations of a coalition government.

[AI] 23. Describe the steps taken by the government India to improve the health of the people.

(3)

22. What are the advantages of having a healthy population?

(3)

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Section 'C'

(4 × 4 = 16)

[AI] 23. Read the source given below and answer the following questions :

One of the groups which looked to change society were the liberals. Liberals wanted a nation which tolerated all religions. We should remember that at this time European states usually discriminated in favour of one religion or another (Britain favoured the Church of England, Austria and Spain favoured the Catholic Church). Liberals also opposed the uncontrolled power of dynastic rulers. They wanted to safeguard the rights of individuals against governments. They argued for a representative elected parliamentary government, subject to laws interpreted by a well-trained judiciary that was independent of rulers and officials. However, they were not 'democrats'. They did not believe in universal adult franchise, that is, the right of every citizen to vote. They felt men of property mainly should have the vote. They also did not want the vote for women.

Answer the following MCQs by choosing the most appropriate option.

23.1. _____ become one of the most significant and powerful ideas to shape society in the twentieth century, through the revolution in Russia. (1)

- | | |
|------------------|---------------|
| (a) Communism | (b) Socialism |
| (c) Dictatorship | (d) Democracy |

23.2. Liberals wanted a nation which tolerated : (1)

- | | |
|-------------------|-------------------|
| (a) No religion | (b) One religion |
| (c) Few religions | (d) All religions |

23.3. Which countries favoured the Catholic Church? (1)

- | | |
|-----------------------|-----------------------|
| (a) France and Spain | (b) Spain and Italy |
| (c) Austria and Spain | (d) Spain and Germany |

23.4. What was the suffragette? (1)

- | | |
|----------------------|-----------------------|
| (a) Women's movement | (b) Property tax |
| (c) Land acquisition | (d) Proletariat class |

[AI] 24. Read the source given below and answer the questions that follow :

The summer months experience rising temperature and falling air pressure in the northern part of the country. Towards the end of May, an elongated low-pressure area develops in the region extending from the Thar Desert in the northwest to Patna and Chota Nagpur plateau in the east and southeast. Circulation of air begins to set in around this trough.

A striking feature of the hot weather season is the 'loo'. These are strong, gusty, hot, dry winds blowing during the day over the north and northwestern India. Sometimes they even continue until late in the evening. Direct exposure to these winds may even prove to be fatal. Dust storms are very common during the month of May in northern India. These storms bring temporary relief as they lower the temperature and may bring light rain and cool breeze. This is also the season for localised thunderstorms, associated with violent winds, torrential downpours often accompanied by hail. In West Bengal, these storms are known as the 'Kaal Baisakhi'.

Towards the close of the summer season, pre-monsoon showers are common especially, in Kerala and Karnataka. They help in the early ripening of mangoes, and are often referred to as 'mango showers'.

Answer the following MCQs by choosing the most appropriate option.

24.1. The rising temperature and falling air pressure in summer is seen in which part of the country? (1)

- (a) Western
- (b) Southern
- (c) Eastern
- (d) Northern

24.2. The wind blowing in the northern plains in summers is known as : (1)

- (a) Kaal Baisakhi
- (b) Loo
- (c) Trade Winds
- (d) None of the above

24.3. Kaal Baisakhi is associated with which state? (1)

- (a) Andhra Pradesh
- (b) Bengal
- (c) Madhya Pradesh
- (d) Arunachal Pradesh

24.4. Mango showers occur in which group of two states? (1)

- (a) Kerala and Karnataka
- (b) Kerala and Tamil Nadu
- (c) Karnataka and Andhra Pradesh
- (d) Tamil Nadu and Kerala

[AI] 25. Read the source given below and answer the following questions :

In our country such campaigns take place for a two-week period between the announcement of the final list of candidates and the date of polling. During this period the candidates contact their voters, political leaders address election meetings and political parties mobilise their supporters. This is also the period when newspapers and television news are full of election related stories and debates. But election campaign is not limited to these two weeks only. Political parties start preparing for elections months before they actually take place.

In election campaigns, political parties try to focus public attention on some big issues. They want to attract the public to that issue and get them to vote for their party on that basis.

Answer the following MCQs by choosing the most appropriate option.

25.1. What is the minimum age to cast a vote? (1)

- (a) 16 years
- (b) 19 years
- (c) 18 years
- (d) 17 years

25.2. As the new people attain the voting age, their names are added to the _____ . (1)

- (a) Voter List
- (b) Electoral Roll
- (c) Election Manifesto
- (d) EPIC

25.3. A complete revision of the voters list takes place every _____ . (1)

- (a) 2 years
- (b) 3 years
- (c) 5 years
- (d) 4 years

25.4. EPIC card is not compulsory for voting, the voters can show many other proofs of identity like : (1)

- (a) Birth Certificate and School Certificate
- (b) Bank Statement and Life Insurance Policy
- (c) Ration Card and driving licence
- (d) Fixed Deposit Receipts and Mark Sheet

[AI] 26. Read the source given below and answer the following questions :

Investment in human resource (via education and medical care) can give high rates of return in future. This investment on people is the same as investment in land and capital.

A child, too, with investments made on her education and health, can yield a high return in future in the form of higher earnings and greater contribution to the society. Educated parents are found to invest more heavily on the education of their child. This is because they have realised the importance of education for themselves. They are also conscious of proper nutrition and hygiene. They accordingly look after their children's needs for education at school and good health. A virtuous cycle is, thus, created in this case. In contrast, a vicious cycle may be created by disadvantaged parents, who themselves are uneducated and lack in hygiene, keep their children in a similarly disadvantaged state.

Countries, like Japan, have invested in human resource. They did not have any natural resource. These countries are developed/rich. They import the natural resource needed in their country. How did they become rich/developed? They have invested on people, especially in the field of education and health. These people have made efficient use of other resources, like land and capital. Efficiency and the technology evolved by people have made these countries rich/developed.

Answer the following MCQs by choosing the most appropriate option.

26.1. The investment in people (human resource) is same as investment in : (1)

- (a) Transport and Communication
- (b) Goods and Services
- (c) Land and Capital
- (d) Capital and Investment

26.2. Educated parents are found to invest more heavily on the _____ of their child. (1)

- | | |
|--------------|---------------|
| (a) food | (b) shelter |
| (c) clothing | (d) education |

26.3. Contrast of virtuous cycle is : (1)

- | | |
|------------------|-------------------|
| (a) Life Cycle | (b) Vicious Cycle |
| (c) Growth Cycle | (d) Season Cycle |

26.4. Countries like _____ have invested in human resources because they do not have natural resources. (1)

- | | |
|-----------|--------------|
| (a) China | (b) Bangkok |
| (c) Japan | (d) Malaysia |

Section 'D'

$(5 \times 5 = 25)$

[AI] 27. Who was Napoleon? Describe the rise of Napoleon in France. (5)

OR

What does subsistence crisis mean? What led to subsistence crisis in France?

28. What type of dangers does the wildlife sanctuaries of India face? How can they be protected better? Write a brief note on each. (5)

OR

Describe any five features of the Central Highlands of India.

[AI] 29. Analyse the concept of one person, one vote, one value. (5)

30. State any five arguments against democracy. (5)

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[AI] 31. Define the Green Revolution. How is the Green Revolution different from traditional farming? (5)

OR

"Healthy and educated people help to maintain a sophisticated society and a developed nation." Support the statement with five arguments.

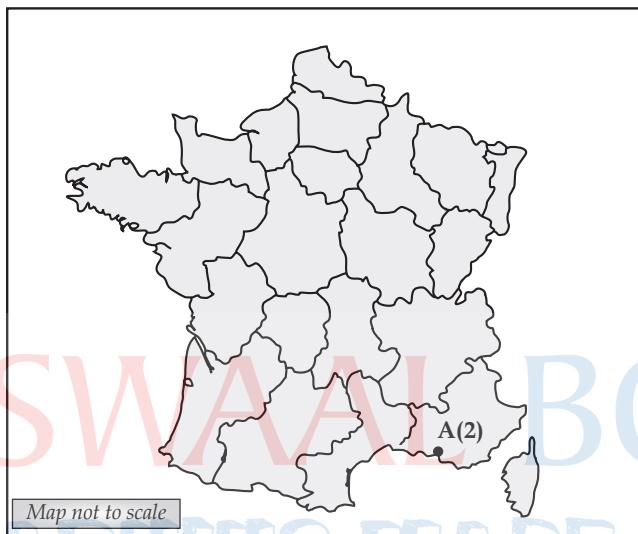
Section 'E'

(2 + 3 = 5)

32. (A) (1) On the given political map of France, mark the following : (1×2=2)

Nantes

(2) Identify the region which was not affected by the Great Fear.

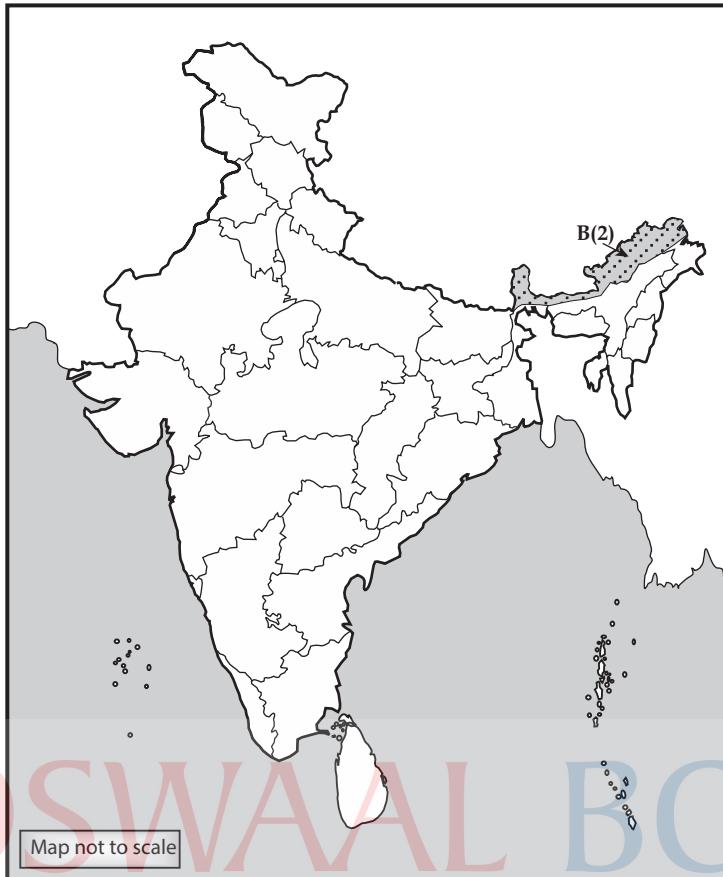


(B) (1) On the given political map of India, locate and label the following : (1×3=3)

(i) The largest state according to area

(ii) The Karakoram range

(2) Identify the type of forests found in the marked regions :



Map not to scale

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