

Section-1

1	<p>Pointing to a photograph, a woman says, "This man's daughter's only brother is my father". How is the woman's father related to the man in the photograph?</p> <p><input type="radio"/> Grandson <hr/> <input checked="" type="radio"/> Son <hr/> <input type="radio"/> Son-in-law <hr/> <input type="radio"/> Nephew</p>	
2	<p>Five friends, A, B, C, D, and E, are sitting in a row, not necessarily in the same order. A is sitting on the immediate left side of B and on the immediate right side of C. D is sitting somewhere to the right of B, and E is sitting between B and D. Who is sitting  the immediate right of E?</p> <p><input type="radio"/> C <hr/> <input type="radio"/> B <hr/> <input checked="" type="radio"/> D <hr/> <input type="radio"/> A</p>	
3	<p>In a certain code, "FOREST" is written as "DMPCQR". How is "ROOST" written in that code?</p> <p><input type="radio"/> QMMQR <hr/> <input checked="" type="radio"/> PMMQR <hr/> <input type="radio"/> PMMPR <hr/> <input type="radio"/> PMMPS</p>	

4	<p>In the question given below, there are two statements followed by two conclusions marked I and II. Consider the statements to be true, even though they seem to be at variance from commonly known facts. Find out which of the given conclusion(s) logically follows the given statements. Mark your answer as per the given options:</p> <p>Statements: A. No vans are buses. B. No buses are cars.</p> <p>Conclusions: I. All vans are cars. II. Some cars are vans.</p>	
	<p><input type="radio"/> Only conclusion I follows.</p> <hr/> <p><input type="radio"/> Only conclusion II follows.</p> <hr/> <p><input checked="" type="radio"/> Neither conclusion I nor conclusion II follows.</p> <hr/> <p><input type="radio"/> Both conclusion I and conclusion II follow.</p>	
5	<p>There are five people, A, B, C, D, and E, such that:</p> <p>I. C is taller than A, who is taller than B. II. E is shorter than B. III. E is taller than D. IV. C is the tallest.</p> <p>If the first three statements are true, what can be said about the fourth statement?</p>	
	<p><input checked="" type="radio"/> True</p> <hr/> <p><input type="radio"/> False</p> <hr/> <p><input type="radio"/> Uncertain</p>	
6	<p>In a queue of 25 people at a ticket counter, A is standing ninth from the back, and B's place is eleventh from the front. C stands in the middle of A and B. What would be C's position from the front?</p>	

	<input type="radio"/> 20th <hr/> <input type="radio"/> 16th <hr/> <input checked="" type="radio"/> 14th <hr/> <input type="radio"/> 15th	
7	Complete the following series: B, C, E, I, P, A, ?	
	<input type="radio"/> T <hr/> <input type="radio"/> S <hr/> <input checked="" type="radio"/> Q <hr/> <input type="radio"/> R	
8	Mr. A walked 20 m North, then turned right and walked 30 m. After that, he turned right again and walked 60 m. How far is he from the starting point?	
	<input type="radio"/> 30 m <hr/> <input type="radio"/> 40 m <hr/> <input checked="" type="radio"/> 50 m <hr/> <input type="radio"/> 60 m	
9	In a certain code language, if 'RADIO' is coded as 10100 and 'MATHS' is coded as 10111, then how is 'SOCIAL' coded in that language?	

	<p><input checked="" type="radio"/> 101001</p> <hr/> <hr/> <p><input type="radio"/> 110011</p> <hr/> <hr/> <p><input type="radio"/> 100010</p> <hr/> <hr/> <p><input type="radio"/> 101011</p>	
10	<p>Pointing to a photograph, Mr. P tells Mr. Q, "The person in the photograph is your father's sister's only daughter and is my sister". How is Mr. Q related to Mr. P?</p> <p style="text-align: center;">↓</p>	
	<p><input type="radio"/> Father</p> <hr/> <hr/> <p><input type="radio"/> Brother</p> <hr/> <hr/> <p><input checked="" type="radio"/> Cousin</p> <hr/> <hr/> <p><input type="radio"/> Nephew</p>	
11	<p>In a family, P1 is the son of P2, who is the father of P3, and P3 is the daughter of P4. How is P4 related to P1?</p>	
	<p><input type="radio"/> Daughter</p> <hr/> <hr/> <p><input checked="" type="radio"/> Mother</p> <hr/> <hr/> <p><input type="radio"/> Son</p> <hr/> <hr/> <p><input type="radio"/> Aunt</p> <hr/> <hr/>	
12	<p>Six houses, named P, Q, R, S, T, and U, are facing North along a lane, not necessarily in the same order. House P is in the middle of houses Q and R. House Q is next to house S, and S is adjacent to house T. House T is at the far left end of the lane. What is the position of house U?</p>	

	<p><input type="radio"/> 2nd from the left end of the lane</p> <p><input checked="" type="radio"/> 3rd from the left end of the lane</p> <p><input type="radio"/> 5th from the left end of the lane</p> <p><input checked="" type="radio"/> Extreme right end of the lane</p>	
13	<p>In a certain code, "FOREST" is written as "DMPCQR". How is "ROOST" written in that code?</p>	
	<p><input type="radio"/> QMMQR</p> <p><input checked="" type="radio"/> PMMQR</p> <p><input type="radio"/> PMMPR</p> <p><input type="radio"/> PMMPS</p>	
14	<p>In the question given below, there are two statements followed by two conclusions marked I and II. Consider the statements to be true, even though they seem to be at variance from commonly known facts. Find out which of the given conclusion(s) logically follows the given statements. Mark your answer as per the given options:</p> <p>Statements:</p> <p>A. Some stars are asteroids.</p> <p>B. No stars are planets.</p> <p>Conclusions:</p> <p>I. Some asteroids are not planets.</p> <p>II. No asteroids are planets.</p>	
	<p><input type="radio"/> Only conclusion I follows.</p> <p><input type="radio"/> Only conclusion II follows.</p> <p><input checked="" type="radio"/> Neither conclusion I nor conclusion II follows.</p> <p><input type="radio"/> Both conclusion I and conclusion II follow.</p>	

15

There are four people, A, B, C, and D, such that:

- I. A is heavier than B.
- II. C is heavier than A.
- III. A is heavier than D.
- IV. C is heavier than D.

If the first three statements are true, what can be said about the fourth statement?

 True False Uncertain

16

In the merit list of an exam, each candidate received a unique rank. 'P' is ranked 5th from the bottom, and 'Q' is ranked 5th from the top. If there are 8 candidates ranked above 'P', find the number of candidates ranked below 'Q'.

 8 9 10 11

17

Complete the following series:

A, C, B, D, D, F, G, I, ?, ?

 K, M L, M M, L K, L

18	<p>Mr. A walked 15 m West. He then turned left and walked 20 m. Finally, he turned left and walked 30 m. How far is he from the starting point?</p>	
	<p><input type="radio"/> 20 m <input checked="" type="radio"/> 25 m <input type="radio"/> 30 m <input type="radio"/> 35 m</p>	
19	<p>In a certain language, if "NAME" is coded as "FNBO" and "ROCK" is coded as "LDPS", then what would be the code for "TASK" in the same language?</p>	
	<p><input type="radio"/> KSAT <input checked="" type="radio"/> LTBU <input type="radio"/> LUBT <input type="radio"/> KSBU</p>	
20	<p>In a family, A and B are children of D, F is the mother of B, C is the brother of A and also the father of E. How is D related to E?</p>	

Grandmother

Father

Uncle

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Grandfather

Section-2

- 1 When a 5 kg object is weighed on an electronic weighing scale, the scale shows a reading of 4.85 kg. Find the percentage error in the measurement.

7%

5%

3%

1%

- 2 The profit from selling an article at \$120 is equal to the loss incurred from selling it at \$80. Determine the article's cost price.

\$110

\$100

\$90

\$105

- 3 Mia swims at a speed of 5 km/hr in still water. She swims from point A on the bank of a river to point B and then back to point A in a total of 5 hours. If the speed of the river is 1 km/hr, what is the distance between points A and B?

	<p><input checked="" type="radio"/> 12 km</p> <hr/> <hr/>	
	<p><input type="radio"/> 18 km</p> <hr/> <hr/>	
	<p><input type="radio"/> 24 km</p> <hr/> <hr/>	
	<p><input type="radio"/> 15 km</p> <hr/> <hr/>	
4	<p>An individual can complete 40% of a task in 4 days. How long will it take him to finish three times the entire task?</p>	
	<p><input type="radio"/> 28 days</p> <hr/> <hr/>	
	<p><input checked="" type="radio"/> 30 days</p> <hr/> <hr/>	
	<p><input type="radio"/> 16 days</p> <hr/> <hr/>	
	<p><input type="radio"/> 32 days</p> <hr/> <hr/>	
5	<p>What is the average of all odd integers from 50 to 70?</p>	
	<p><input checked="" type="radio"/> 60</p> <hr/> <hr/>	
	<p><input type="radio"/> 59</p> <hr/> <hr/>	
	<p><input type="radio"/> 61</p> <hr/> <hr/>	
	<p><input type="radio"/> 62</p> <hr/> <hr/>	

6	<p>What is the next number in the series ?</p> <p>29, 25, 20, 16, 11, 7, ?</p>	
	<p><input type="radio"/> 4</p> <p><input checked="" type="radio"/> 2</p> <p><input type="radio"/> 1</p> <p><input type="radio"/> 3</p>	
7	<p>A pottery company declared a 10% discount for wholesale buyers on their items. Mr. A bought a pottery item from the company for \$270 after getting a discount. While selling, Mr. A gave a 1% discount on the company's original price for the item. What is his overall profit percentage during the transaction?</p>	
	<p><input type="radio"/> 8%</p> <p><input type="radio"/> 9%</p> <p><input checked="" type="radio"/> 10%</p> <p><input type="radio"/> 12.5%</p>	
8	<p>When a student weighing 72 kg joins a group of 7 students, the average weight of the group increases by 2 kg. Find out the average weight of the original group.</p>	

- 60 kg
- 56 kg
- 58 kg
- 54 kg

9 Three individuals, A, B, and C, are involved in a task, where A can complete $\frac{1}{3}$ rd part of the task in 4 days, B can complete $\frac{1}{4}$ th part of the task in 1 day, and C can complete $\frac{3}{5}$ th part of the task in 9 days. Find out the time taken by A, B, and C all together to complete the whole task.

- 1.5 days
- 11 days
- 4 days
- 2.5 days

10 A car travels at a speed of 50 km/h, but it stops every 500 m at a traffic light for 2 minutes. In how many minutes does the car cover a distance of 10 km?

- 28 minutes
- 42 minutes
- 50 minutes
- 48 minutes

11	<p>Consider two positive numbers, P and Q, where 10% of P equals Q% of 20. Given that the value of P is 40, determine the value of Q.</p>	
	<p><input type="radio"/> 50 <input type="radio"/> 40 <input type="radio"/> 30 <input checked="" type="radio"/> 20</p>	
12	<p>The profit from selling an article at \$120 is equal to the loss incurred from selling it at \$80. Determine the article's cost price.</p>	
	<p><input type="radio"/> \$110 <input checked="" type="radio"/> \$100 <input type="radio"/> \$90 <input type="radio"/> \$105</p>	
13	<p>Two people, A and B, started running in opposite directions from the same point on a circular track with a 240-meter circumference. B runs at a speed of 3 m/s, and they meet after 30 seconds. What is A's speed?</p>	

5 m/s

10 m/s

8 m/s

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3 m/s

14

In a remote village, a team of 10 firefighters successfully extinguished 4 house fires in 6 hours. If they continue their firefighting efforts for a total of 9 hours, how many house fires can they extinguish in total?

5

6

8

.net

10

15

The average score of a student in three subjects - Mathematics, Science, and History - is 68. In the other three subjects - English, Geography, and Chemistry - his average score is 58. What is the overall average score across all six subjects?

62

63

65

.net

67

16

What is the next number in the series ?

3, 4.1, 6.3, 9.6, 14, ?

20.7

16.8

19.5

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18.5

17

After allowing a discount of 10% on the marked price, a shopkeeper charges \$81 for a pair of spectacles. Had he not allowed any discount, he would have made a profit of 20%. What was the cost price of a pair of spectacles?

\$81

\$75

\$70

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\$65

18

In a group of 13 students with an average weight of 55.5 kg, three students decided to leave the group. With this, the group's average weight decreased to 53.25 kg. What is the average weight of the three students who left the group?

57 kg

59 kg

63 kg

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65 kg

19

Person A can complete a piece of work in 20 days, and person B can complete it in 30 days. When A, B, and C work together, they can complete the work in six days. In how many days can person C alone complete the work?

	<p><input checked="" type="radio"/> 12 days</p> <hr/> <p><input type="radio"/> 16 days</p> <hr/> <p><input type="radio"/> 20 days</p> <p>net</p> <hr/> <p><input type="radio"/> 24 days</p> <hr/>	
20	<p>A car travels at a speed of 50 km/h, but it stops every 500 m at a traffic light for 2 minutes. In how many minutes does the car cover a distance of 10 km?</p>	
	<p><input type="radio"/> 28 minutes</p> <hr/> <p><input type="radio"/> 42 minutes</p> <hr/> <p><input checked="" type="radio"/> 50 minutes</p> <p>net</p> <hr/> <p><input type="radio"/> 48 minutes</p> <hr/>	
	Section-3	
1	<p>This question consists of a sentence that is either partly or entirely underlined and may or may not have a grammatical error. There are four different versions of the underlined part of the sentence. Choose the option that correctly rephrases the underlined part of the following sentence. Mark the answer as 'No error' if there is no error in the underlined part.</p> <p>Did you know about the accident when you first <u>went theirs</u>.</p>	

go there.

gone there?

went there?

went their.

2

Fill in the blank(s) with the correct word(s).

She is very _____. She always considers all possible outcomes of her actions.

impulsive

educated

thoughtful

bold

3

Identify the error in the following sentence:

They discussed about the agenda for several hours before arriving at a logical conclusion on how to deal with the crisis.

3

about

the agenda

before

with the

4 **Fill in the blank(s) with the correct word(s).**

Does your spouse ever agree ____ anything with you?

on

of

towards

onto

5 **Fill in the blank(s) with the correct word(s).**

You have been in _____ for too long over this matter.

agreeing

vouching

denial

claim

6 Choose the correct synonym for the following word:

Consign

Impede

Dispatch

Restrain

Spike

7 Fill in the blank(s) with the correct word(s).

___ wisdom is needed to understand ___ life.

D

	<p>3</p> <p><input checked="" type="radio"/> The, a</p> <p><input type="radio"/> A, a</p> <p><input type="radio"/> The, an</p> <p><input type="radio"/> No article, no article</p>	
8	<p>Replace the underlined word(s) in the following sentence with the most suitable option.</p> <p>Before we <u>moved</u> on from this topic, I want to make sure you are clear on the subject.</p> <p><input type="radio"/> move</p> <p><input type="radio"/> had moved</p> <p><input type="radio"/> are moving</p> <p><input checked="" type="radio"/> have moved</p>	
9	<p>Rearrange the following phrases to form a complete sentence:</p> <p>Note: The phrases numbered 1 and 6 are fixed.</p> <p>1. After finishing her research paper</p> <p>(A) been working on tirelessly for months, (B) on climate change, which she had (C) and decided to celebrate by taking (D) Sarah felt a profound sense of accomplishment</p> <p>6. a long, relaxing walk in the park.</p>	

1

A DCB

ABCD

CDAB

BADC

10 **Fill in the blank(s) with the correct word(s).**

The mother grieved _____ her child's disappearance.

over

after

in

at

11 **This question consists of a sentence that is either partly or entirely underlined and may or may not have a grammatical error. There are four different versions of the underlined part of the sentence. Choose the option that correctly rephrases the underlined part of the following sentence. Mark the answer as 'No error' if there is no error in the underlined part.**

They has been learning about the classical art forms since childhood.

have had been learning about the classical

has been learning of a classical

have been learning about classical

net

are learning about the classicals

No error

12

Fill in the blank(s) with the correct word(s).

The story is about a little boy who is not big but _____.

is quite strong

very much strong

are strong

net

is quite strength

13

Identify the error in the following sentence:

I have got my marriage license as soon as I completed all the legal processes.

have got

as soon as

completed

.net

legal processes

14

Fill in the blank(s) with the correct word(s).

The weather _____ so they decided _____ the lake.

is much hot, on swimming across

being hot, to go swimming

is hot, to swim across

.net

was hot, to swim in

15

Fill in the blank(s) with the correct word(s).

The wintry winds _____ outside, and the snowflakes danced in the air.

howled

cried

yelled

whined

16 Choose the correct synonym for the following word:

Augmentation

Expansion

Assumption

Argumentation

Alleviation

17 Fill in the blank(s) with the correct word(s).

I am not in _____ right mood to go out.

	<p><input type="radio"/> a</p> <p><input checked="" type="radio"/> the</p> <p><input type="radio"/> an</p> <p><input type="radio"/> .net</p> <p><input type="radio"/> no article</p>	
18	<p>Fill in the blank(s) with the correct word(s).</p> <p>They _____ a film with the curtains drawn, so they did not realize when it had gone dark outside.</p>	
19	<p><input type="radio"/> watch</p> <p><input type="radio"/> are watching</p> <p><input checked="" type="radio"/> were watching</p> <p><input type="radio"/> would watch</p> <p>Rearrange the following phrases to form a complete sentence: Note: The phrases numbered 1 and 6 are fixed.</p> <p>1. Recent studies in the field</p> <p>(A) higher levels of intelligence and emotional (B) behavior that suggests they possess (C) that many species exhibit (D) of animal psychology have shown</p> <p>6. awareness than previously thought.</p>	

CDBA

ADCB

DCBA

net

BACD

20

Fill in the blank(s) with the correct word(s).

The mother grieved _____ her child's disappearance.

over

after

in

net

at

Section-4

1	<p>Read the following passage and answer the given question.</p> <p>All the known colors are represented by the light spectrum. Despite there being almost an infinite number of colors, human eyes can only see a tiny fraction of this spectrum. Humans see a certain color when a specific type of wavelength is emitted. For example, red is characterized by a wavelength of between 635-700 nanometers. It is on the extreme end of the visual spectrum, as we can only see colors that emit a wavelength between 390-700 nanometers. Red is a type of pure color. It is created from a single wavelength. Colors such as pink are created from a mix of different wavelengths.</p> <p>It is our eyes' cone cells that allow us to process these colors. There are three types of cone cells and each reacts differently depending on the type of wavelength they detect. It is this that gives us our perception of color. Another type of cell found mostly in our retinas can detect even very dim light. These are called rod cells and are used almost entirely for night vision and peripheral vision.</p> <p>Scientists have been able to use wavelengths of light despite not being able to see them. One example is infrared light, which has wavelengths that are longer than those found in visible light. Infrared light has been used to improve our night vision, forecast the weather, and diagnose illnesses.</p> <p>Which of the following can be logically deduced about the human eye?</p>
2	<p>Read the following passage and answer the given question.</p> <p>All the known colors are represented by the light spectrum. Despite there being almost an infinite number of colors, human eyes can only see a tiny fraction of this spectrum. Humans see a certain color when a specific type of wavelength is emitted. For example, red is characterized by a wavelength of between 635-700 nanometers. It is on the extreme end of the visual spectrum, as we can only see colors that emit a wavelength between 390-700 nanometers. Red is a type of pure color. It is created from a single wavelength. Colors such as pink are created from a mix of different wavelengths.</p> <p>It is our eyes' cone cells that allow us to process these colors. There are three types of cone cells and each reacts differently depending on the type of wavelength they detect. It is this that gives us our perception of color. Another type of cell found mostly in our retinas can detect even very dim light. These are called rod cells and are used almost entirely for night vision and peripheral vision.</p> <p>Scientists have been able to use wavelengths of light despite not being able to see them. One example is infrared light, which has wavelengths that are longer than those found in visible light. Infrared light has been used to improve our night vision, forecast the weather, and diagnose illnesses.</p> <p>Which of the following cannot be inferred from the passage about the light spectrum?</p>
	<p style="text-align: right;">www.thur</p>

- Humans can only see some of the colors in the light spectrum.
- Only 25% of the light spectrum is visible to the human eyes.
- Infrared light's wavelength is more than 700 nanometers.
- Emission of a wavelength is imperative for humans to recognize colors in the light spectrum.

3

Read the following passage and answer the given question.

All the known colors are represented by the light spectrum. Despite there being almost an infinite number of colors, human eyes can only see a tiny fraction of this spectrum. Humans see a certain color when a specific type of wavelength is emitted. For example, red is characterized by a wavelength of between 635-700 nanometers. It is on the extreme end of the visual spectrum, as we can only see colors that emit a wavelength between 390-700 nanometers. Red is a type of pure color. It is created from a single wavelength. Colors such as pink are created from a mix of different wavelengths.

It is our eyes' cone cells that allow us to process these colors. There are three types of cone cells and each reacts differently depending on the type of wavelength they detect. It is this that gives us our perception of color. Another type of cell found mostly in our retinas can detect even very dim light. These are called rod cells and are used almost entirely for night vision and peripheral vision.

Scientists have been able to use wavelengths of light despite not being able to see them. One example is infrared light, which has wavelengths that are longer than those found in visible light. Infrared light has been used to improve our night vision, forecast the weather, and diagnose illnesses.

Based on the facts of the passage, which of the following is true about colors?

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- Different colors emit different wavelengths.
- Higher intensity colors have longer wavelengths.
- Pink is created by mixing two colors.
- Pure colors are only found at the extreme end of the spectrum.

4

Read the following passage and answer the question given below.

Vincent van Gogh frequently experienced seizures as a result of temporal lobe epilepsy. His behaviour was also influenced by bipolar disorder, which manifested in his strong religious and artistic enthusiasm, the 'feverish pace' of his art production, and subsequent experiences of extreme exhaustion, depression, and ultimately suicide. To alleviate his anxiety and depression, he turned to absinthe, a popular toxic alcoholic beverage during that era.

Thujone, the main toxin in absinthe, had a poor effect on van Gogh, aggravating his depression and epilepsy. The toxin causes individuals to perceive things with a yellowish tint, which is one possible theory as to whether this was the cause of van Gogh's **affinity** with the colour yellow found in many of his paintings (another theory suggests that the prescription drug digitalis, used to treat his epilepsy, which causes yellow spots, may have contributed to this preference). Some people believe that van Gogh suffered from lead poisoning because he used lead-based paints and may have nibbled at paint chips.

Dr. Peyron observed that during his attacks, van Gogh attempted to poison himself by swallowing paint or drinking kerosene. One of the symptoms of lead poisoning is retinal swelling which can cause individuals to see light in circles resembling halos around objects. This can be observed in paintings such as *The Starry Night*.

There are suspicions that Vincent van Gogh may have been autistic, and his painting, *The Starry Night*, is cited as evidence. The swirling and turbulent skies depicted in this painting (as well as in his other works) align with the mathematical formula for turbulence known as the Kolmogorov scaling, which was developed 50 years after the artist's death. Autistic individuals are known to have a natural understanding of such concepts, often surpassing their abilities in verbal and social interactions, in which van Gogh struggled. It is also possible that his psychotic episodes, including hallucinations, influenced his ability to naturally capture these phenomena.

Question: What does the word "affinity," as mentioned in the second paragraph, mean in the context of the passage?

5

 Dislike Attraction Confusion Suspicion

5

Read the following passage and answer the question given below.

Vincent van Gogh frequently experienced seizures as a result of temporal lobe epilepsy. His behaviour was also influenced by bipolar disorder, which manifested in his strong religious and artistic enthusiasm, the 'feverish pace' of his art production, and subsequent experiences of extreme exhaustion, depression, and ultimately suicide. To alleviate his anxiety and depression, he turned to absinthe, a popular toxic alcoholic beverage during that era.

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Question: Fill in the blank(s).

The author mentions van Gogh's autistic condition in the last paragraph to _____.

- explain the cause of his death
- inform the discovery of Kolmogorov scaling
- explain the presence of yellowish tint in most of his paintings
- illustrate how it influenced his painting 'Starry Night'

6	<p>Read the following passage and answer the question given below.</p> <p>Vincent van Gogh frequently experienced seizures as a result of temporal lobe epilepsy. His behaviour was also influenced by bipolar disorder, which manifested in his strong religious and artistic enthusiasm, the 'feverish pace' of his art production, and subsequent experiences of extreme exhaustion, depression, and ultimately suicide. To alleviate his anxiety and depression, he turned to absinthe, a popular toxic alcoholic beverage during that era.</p> <p>Thujone, the main toxin in absinthe, had a poor effect on van Gogh, aggravating his depression and epilepsy. The toxin causes individuals to perceive things with a yellowish tint, which is one possible theory as to whether this was the cause of van Gogh's affinity with the colour yellow found in many of his paintings (another theory suggests that the prescription drug digitalis, used to treat his epilepsy, which causes yellow spots, may have contributed to this preference). Some people believe that van Gogh suffered from lead poisoning because he used lead-based paints and may have nibbled at paint chips.</p> <p>Dr. Peyron observed that during his attacks, van Gogh attempted to poison himself by swallowing paint or drinking kerosene. One of the symptoms of lead poisoning is retinal swelling which can cause individuals to see light in circles resembling halos around objects. This can be observed in paintings such as <i>The Starry Night</i>.</p> <p>There are suspicions that Vincent van Gogh may have been autistic, and his painting, <i>The Starry Night</i>, is cited as evidence. The swirling and turbulent skies depicted in this painting (as well as in his other works) align with the mathematical formula for turbulence known as the Kolmogorov scaling, which was developed 50 years after the artist's death. Autistic individuals are known to have a natural understanding of such concepts, often surpassing their abilities in verbal and social interactions, in which van Gogh struggled. It is also possible that his psychotic episodes, including hallucinations, influenced his ability to naturally capture these phenomena.</p> <p>Question: Which of the given methods did Vincent van Gogh use as a form of self-medication to alleviate his anxiety and depression?</p>
	<ul style="list-style-type: none"> <input type="radio"/> Using prescription drugs <input type="radio"/> Drinking kerosene <input type="radio"/> Consuming absinthe <input type="radio"/> Swallowing paint
7	<p>Read the following passage and answer the question given below.</p> <p>According to statistics, people spend more than a billion dollars every month to find the perfect gift. While giving gifts is usually a joyful thing, it can leave the giver with ambivalent feelings.</p> <p>On the one hand, they might feel happy about finding a great gift to strengthen their relationship with the person receiving it. But on the other hand, they might feel anxious because they don't want to choose the wrong gift and disappoint the person.</p> <p>Social psychologists view giving gifts as a positive social tradition, while economists hold a different opinion. Economists often see gift-giving as a waste of resources without much benefit. This is because people tend to buy gifts that the person receiving the gift wouldn't buy for themselves or find too expensive (a phenomenon called 'deadweight loss'). For example, someone might spend \$200 on a gift when the recipient would only spend \$100 on it if they were buying it themselves.</p> <p>This "deadweight loss" shows that people often struggle to choose gifts that the recipient truly likes. Social psychologists aren't surprised by this because, typically, gift choices are influenced by our feelings of importance, what we think others like, and mistakes in understanding what the recipient wants.</p> <p>Question: According to statistics, how much do people spend every month to find the perfect gift?</p>

Less than a dollar

Approximately a billion dollars

More than a trillion dollars

Half a million dollars

8 Read the following passage and answer the question given below.

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Question: What ambivalent feelings might the giver experience when giving gifts?

Joy and laughter

Sadness and excitement

Happiness and anxiety

Excitement and satisfaction

9	<p>Read the following passage and answer the question given below.</p> <p>According to statistics, people spend more than a billion dollars every month to find the perfect gift. While giving gifts is usually a joyful thing, it can leave the giver with ambivalent feelings.</p> <p>On the one hand, they might feel happy about finding a great gift to strengthen their relationship with the person receiving it. But on the other hand, they might feel anxious because they don't want to choose the wrong gift and disappoint the person.</p> <p>Social psychologists view giving gifts as a positive social tradition, while economists hold a different opinion. Economists often see gift-giving as a waste of resources without much benefit. This is because people tend to buy gifts that the person receiving the gift wouldn't buy for themselves or find too expensive (a phenomenon called 'deadweight loss'). For example, someone might spend \$200 on a gift when the recipient would only spend \$100 on it if they were buying it themselves.</p> <p>This "deadweight loss" shows that people often struggle to choose gifts that the recipient truly likes. Social psychologists aren't surprised by this because, typically, gift choices are influenced by our feelings of importance, what we think others like, and mistakes in understanding what the recipient wants.</p> <p>www.thun</p> <p>Question: The above passage indicates that people value gift-giving because they feel it:</p> <ul style="list-style-type: none"> <input type="radio"/> is the perfect way to express their feelings towards themselves. <input type="radio"/> eliminates the concept of 'deadweight loss'. <input type="radio"/> enhances their economic knowledge. <input type="radio"/> strengthens their relationship with the recipient.
10	<p>Read the following passage and answer the question given below.</p> <p>According to statistics, people spend more than a billion dollars every month to find the perfect gift. While giving gifts is usually a joyful thing, it can leave the giver with ambivalent feelings.</p> <p>On the one hand, they might feel happy about finding a great gift to strengthen their relationship with the person receiving it. But on the other hand, they might feel anxious because they don't want to choose the wrong gift and disappoint the person.</p> <p>Social psychologists view giving gifts as a positive social tradition, while economists hold a different opinion. Economists often see gift-giving as a waste of resources without much benefit. This is because people tend to buy gifts that the person receiving the gift wouldn't buy for themselves or find too expensive (a phenomenon called 'deadweight loss'). For example, someone might spend \$200 on a gift when the recipient would only spend \$100 on it if they were buying it themselves.</p> <p>This "deadweight loss" shows that people often struggle to choose gifts that the recipient truly likes. Social psychologists aren't surprised by this because, typically, gift choices are influenced by our feelings of importance, what we think others like, and mistakes in understanding what the recipient wants.</p> <p>www.thun</p> <p>Question: What is the tone of the writer in the above passage?</p>

Joyful and enthusiastic

Critical and skeptical

Indifferent and detached

Neutral and observant

11

Read the following passage and answer the given question.

According to a recent study, greater body fat is a risk factor for reduced cognitive function, for instance, in adults. For the research, cardiovascular risk factors like diabetes, high blood pressure, or vascular brain injury were taken into account. The link between body fat and lower cognitive scores remained. This suggested other, not yet confirmed, pathways that linked excess body fat to reduced cognitive function.

In the study, 9,166 participants were measured by bioelectrical impedance analysis to assess their total body fat. Also, 6,733 of the participants underwent magnetic resonance imaging (MRI) to measure abdominal fat packed around the organs, known as visceral fat, and the MRI also assessed vascular brain injury—areas in the brain affected by reduced blood flow to the brain.

"Our results suggest that strategies to prevent or reduce having too much body fat may preserve cognitive function," said lead author Sonia Anand, a professor of medicine at McMaster University's Michael G. DeGroote School of Medicine. She added that "the effect of increased body fat **persisted** even after adjusting for its effect on increasing cardiovascular risk factors, which should prompt researchers to investigate which other pathways may link excess fat to reduced cognitive function."

Question: What is the opposite of the word "persisted" as used in the third paragraph of the above passage?

Survived

Abandoned

Persevered

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Diligence

12

Read the following passage and answer the given question.

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Question: Which of the words mentioned in the given options can be used in place of "affected" as used in the second paragraph of the above passage?

Rendered

Pondered

Indulged

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Influenced

13

Read the following passage and answer the given question.

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Question: Which of the factors mentioned in the given options was not taken into account during the study?

Vascular brain injury

Diabetes

High blood pressure

Arthritis

14

Read the following passage and answer the question given below.

A fierce predator named the Storr Lochs Monster, which lived 170 million years ago, has been unveiled for the first time, half a century after it was discovered. The fossilized skeleton of the dolphin-like animal was found on the Isle of Skye, Scotland, in 1966. According to researchers from the University of Edinburgh, it is the most complete skeleton of a sea-living reptile from the age of dinosaurs that has ever been found in Scotland. According to researchers, the ancient reptile was around four meters in length and had a long, pointed head filled with hundreds of cone-shaped teeth. This unique dental arrangement indicates its dietary preference for fish and squid.

A partnership between the University of Edinburgh, National Museums Scotland, and energy company SSE has enabled the fossil to be extracted from the rock that encased it for millions of years. The fossil has been preserved in National Museums Scotland's storage facility for 50 years. Now, by pooling expertise, the new collaboration will enable experts to form a clearer picture of the fossil. A team of palaeontologists will study the fossil, which belongs to an extinct family of marine reptiles known as ichthyosaurs.

The ancient animals thrived in prehistoric seas at the same time that the dinosaurs were ruling the land. This discovery will help unveil how ichthyosaurs evolved during the Middle Jurassic Period, a part of Earth's history that has long been shrouded in mystery owing to a lack of fossil evidence from the time. The Isle of Skye is one of the few places in the world where fossils from the Middle Jurassic Period can be found. In folklore, the Loch Ness Monster or 'Nessie' is an aquatic being that reputedly inhabits Loch Ness in the Scottish Highlands. Although its description varies, it is similar to other supposed lake monsters in Scotland and elsewhere.

Question: How did the partnership between various organizations help?

- It helped in preserving the fossil.
- It helped in the extraction of the fossils from the rock.
- It helped in collecting funds for the extraction procedure of the fossil.
- It helped the team understand how the creature became extinct.

15

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Question: What does the term "shrouded in mystery" mean?

- Lack of clear information
- Found under mysterious conditions
- Covered in historical significance
- Magical attributes or properties

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Question: Which family of reptiles does the unveiled fossil in the passage belong to?

Heterodontosaurus

Syntarsus

Ichthyosaurs

Dilophosaurus

17

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On the one hand, they might feel happy about finding a great gift to strengthen their relationship with the person receiving it. But on the other hand, they might feel anxious because they don't want to choose the wrong gift and disappoint the person.

Social psychologists view giving gifts as a positive social tradition, while economists hold a different opinion. Economists often see gift-giving as a waste of resources without much benefit. This is because people tend to buy gifts that the person receiving the gift wouldn't buy for themselves or find too expensive (a phenomenon called 'deadweight loss'). For example, someone might spend \$200 on a gift when the recipient would only spend \$100 on it if they were buying it themselves.

This "deadweight loss" shows that people often struggle to choose gifts that the recipient truly likes. Social psychologists aren't surprised by this because, typically, gift choices are influenced by our feelings of importance, what we think others like, and mistakes in understanding what the recipient wants.

Question: What term is used to describe the situation when people buy gifts that the recipient wouldn't buy for themselves?

Deadweight loss

Giver's dilemma

Recipient's conundrum

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Gift paradox

18

Read the following passage and answer the question given below.

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Question: What ambivalent feelings might the giver experience when giving gifts?

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Happiness and anxiety

Excitement and satisfaction

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Question: What does the above passage suggest about the relationship between social psychologists and economists regarding gift-giving?

- They collaborate to analyze the cultural impact of gift-giving traditions on society.
- They unanimously agree on the adverse effects of gift-giving on personal relationships.
- They jointly advocate for stricter regulations on the amount of money spent on gifts **net** during festive seasons.
- They diverge in their viewpoints, with social psychologists viewing it positively and economists embracing doubt.

20

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Question: The above passage indicates that people value gift-giving because they feel it:

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enhances their economic knowledge.

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strengthens their relationship with the recipient.

Section-5

1

Express your views in **not more than 200 words** on the given topic:

E-learning: Pros and Challenges

