

AFCAT Memory Based Paper - 27 Aug 2022

- Q1 Direction: Below each of the following underlined idioms or phrases four possible substitutes (words or group of words) are given. Select the one which is most nearly the same as the given idiom or phrase.**

Hit the hay

- (A) Feed the cattle
- (B) Go to sleep
- (C) Burn the hay
- (D) Lose the sheep

- Q2 Select the correct meaning of the given idiom-**

To pull one's punches

- (A) Be less forceful
- (B) Pull someone's punches
- (C) Throw the punches
- (D) Having strong power

- Q3 Select the most appropriate ANTONYM of the given word.**

Temporal

- (A) Wordly
- (B) Secular
- (C) Earthly
- (D) Religious

- Q4 Directions: Select the segment of the sentence that contains a grammatical error. If there is no error mark 'No error' as your answer.**

The blast wave they generate is significantly longer in duration and sometimes more powerful than conventional explosives.

- (A) The blast wave they generate is significantly longer
- (B) in duration and sometimes more powerful
- (C) than conventional explosives.
- (D) No error

- Q5 The following question consists of an incomplete sentence or a sentence which is**

split into four parts. All four parts are jumbled up and are named as P, Q, R, and S. These four parts are not given in their proper order. Arrange the jumbled parts of the sentence and find out which of the four combinations from the given options will correctly complete the sentence.

Le Corbusier was born in a small town_____. All his life he was marked by the harshness of these surroundings and the puritanism of a Protestant environment.

P) in the mountainous Swiss Jura region

Q) since the 18th century the

R) world's center of

S) precision watchmaking.

(A) PQRS

(B) QPRS

(C) RPQS

(D) SPQR

- Q6 In the following question, there is a related pair of words given. Each pair is followed by four other pairs of words. Choose the pair from the given option the pair of words that best expresses the relationship like the original pair.**

Xylem : Water:: Phloem: _____

(A) Food

(B) Photosynthesis

(C) Carbon Dioxide

(D) Gasses

- Q7 Select the most appropriate ANTONYM of the given word.**

Archaic

(A) Modern

(B) Outdated

(C) Obsolete

(D) Frivolous

- Q8 Directions: Select the appropriate word from four alternatives provided to fill in the blanks**



The petition before the Court prayed for _____ the appointment orders issued by the management.

- (A) granting (B) removing
(C) dismissing (D) quashing

Q9 Directions: The word "PLACATE" means.

- (A) To worship (B) To laugh
(C) To force (D) To pacify

Q10 In the following question, a sentence or a phrase is given which can be substituted by one word. Choose the most appropriate word explaining the sentence or the phrase from the given option.

An amusing and interesting story

- (A) Poesy (B) Legend
(C) Ballsy (D) Anecdote

Q11 The following question consists of an incomplete sentence or a sentence that is split into four parts. All four parts are jumbled up and are named as P, Q, R, and S. These four parts are not given in their proper order. Arrange the jumbled parts of the sentence and find out which of the four combinations from the given options will correctly complete the sentence.

Almaty, formerly Alma-Ata, southeastern Kazakhstan. _____. With the coming of the railroad in 1930, its population grew rapidly.

- P) The modern city was founded in 1854
Q) Formerly the capital of Kazakhstan, it lost its capital status in 1995 to Aqmola (now Astana).
R) when the Russians established a military fortification
S) on the site of the ancient city of Almaty, destroyed by the Mongols in the 13th century.
(A) QPRS (B) PQRS
(C) SPQR (D) RPQS

Q12 In the following question, out of the four alternatives, select the alternative which is

the best substitute of the phrase.

Using or expressing something in more words than are needed

- (A) Verbatim
(B) Verbal
(C) Verbose
(D) Reprimand

Q13 The following question consists of an incomplete sentence or a sentence that is split into four parts. All four parts are jumbled up and are named as P, Q, R, and S. These four parts are not given in their proper order. Arrange the jumbled parts of the sentence and find out which of the four combinations from the given options will correctly complete the sentence.

Maps that William Clark made _____ showed how to reach the Pacific Ocean by a combination of waterways and land routes.

P) showing the geography of the West

Q) were published in 1810 and 1814.

R) The expedition did not find an all-water route across the continent, but the maps

S) These remained the best maps of the region until the 1840s.

- (A) QPSR (B) RQPS
(C) SQPR (D) PQSR

Q14 Direction: Find the error in the following sentence. A part of the following sentence contains an error. Select the correct option to replace the incorrect part.

In this hard time, utilise a little money you have in a proper manner now.

- (A) utilise a little money
(B) In this urgent time
(C) you had in a proper manner
(D) hard times

Q15 Select the most appropriate meaning of the given idiom.

Kick the bucket



- (A) Be angry (B) Die
(C) Be rude (D) Arrive

Q16 Fill in the blank.

Rights _____ automatically to him who duly performs his duties.

- (A) belong (B) transfer
(C) issue (D) accrue

Q17 Select the most appropriate synonym of the given word.

Devolve

- (A) Delegate (B) Centralize
(C) Retain (D) Incline

Q18 Choose the word that is the correct substitute for the given group of words.

A person with bad habits or faults which cannot be changed or corrected

- (A) Infallible (B) Incurable
(C) Insertable (D) Incorrigible

Q19 Directions: Select the appropriate word from four alternatives provided to fill in the blanks

In the departmental inquiry, it was denied that the police had committed any _____ on people under their custody.

- (A) injuries (B) crime
(C) blunder (D) excesses

Q20 Choose the word almost nearest in the meaning to the word given below.

Placid

- (A) Clear (B) Calm
(C) Enjoyable (D) Noise

Q21 In the following question, there is a related pair of words given. Each pair is followed by four other pairs of words. Choose the pair from the given option the pair of words that best expresses the relationship like the original pair.

Rabbit : hop :: duck : _____

- (A) waddle (B) whisk
(C) remain (D) rush

Direction (22 - 24) Read the following passage and answer the given questions. Fill in the blanks given in the passage with a proper words:

Landslides ____(X)____ reported in several parts of the state, of which the one at Kootickal in Kottayam has claimed more than seven lives. "These disasters were caused ____(Y)____ to higher economic activities like rock quarrying, construction ____(Z)____ new buildings and roads, and destruction of natural forest in the highly economic zones.

Q22 Select the most appropriate word from the options against _____(X)_____ .

- (A) were (B) was
(C) is (D) have

Q23 Select the most appropriate word from the options against _____(Y)_____ .

- (A) used (B) need
(C) due (D) in a view

Q24 Select the most appropriate word from the options against _____(Z)_____ .

- (A) for (B) of
(C) can (D) may

Direction (25 - 27) Read the following passage and answer the given questions. Read the following passage:

The hydrogen wall has been described by scientists as the place ____(X)____ bubbles of solar wind cease to exist. The mass of interstellar matter here is very small ____(Y)____ strong enough to not let the solar winds pass through. At the same time, it is not so strong to bust ____(Z)____ the solar wind build-up. It acts like a wall pressing the solar winds inward.

Q25 Select the most appropriate word from the options against _____(X)_____ .



- (A) when (B) where
(C) what (D) why

Q26 Select the most appropriate word from the options against ____ (Y) ____ .

- (A) since (B) because
(C) but (D) in addition to

Q27 Select the most appropriate word from the options against ____ (Z) ____ .

- (A) into (B) upon
(C) through (D) by

Direction (28 - 30) Read the following passage and answer the given questions.

Directions: Read the passage given below and answer the questions that follow by choosing the correct/most appropriate options:

Large-scale forest degradation and improper carbon sequestration are one of the causes of the recent flooding witnessed in most parts of Karnataka and Kerala over the last two years. Carbon sequestration is a natural/artificial process by which carbon dioxide is removed from the atmosphere and held in solid or liquid form. Researchers at the Indian Institute of Science (IISc), in their latest study report, have found large-scale land cover shaved off, leading to deforestation with degradation, causing 20–25% of anthropogenic (human-related) carbon emissions, resulting in a regional impact on climate patterns. The loss of forest cover has also modified the local rainfall pattern. The study, 'Carbon Sequestration Potential of the Forest Ecosystems in the Western Ghats: a Global Biodiversity Hotspot', by researchers from the Centre for Ecological Sciences, IISc, on the fragile Western Ghats, investigated landscape dynamics with climate trends and carbon sequestration potential. The analysis indicated that the regions in the southern parts of Western Ghats (WG) in Kerala and part of

Karnataka have witnessed large-scale climate changes. The central Western Ghats area (Karnataka) shows a very meager change in temperature (0.05 degrees Celsius increase), while the rainfall shows increasing trends close to 100 mm and increase in rainy days up to two days. The northern portion of the Western Ghats latitudes shows an increasing temperature of 0.5 degrees Celsius, four days increase in the number of rainy days, and an increase in rainfall by between 100 mm and just over 250 mm. These analyses demonstrate that land use has played a major role in moderating micro-climatic conditions in the Western Ghats over a temporal scale. The reduction in rainfall and an increase in temperature can affect carbon stock in the region.

Q28 According to the passage, Select the correct statement/s

- a) The central Western Ghats area (Karnataka) shows a very meager change in temperature.
b) The analyses demonstrate that land use has played a major role in moderating micro-climatic conditions in the Western Ghats.
c) Kerala and part of Karnataka have witnessed large-scale climate changes.
(A) Only a
(B) Only b
(C) Only c
(D) All of the above

Q29 What will be the effect of the reduction in rainfall in the region?

- (A) Carbon Stocking (B) Increase in Temperature
(C) Carbon Emission (D) Loss of forest

Q30 According to the passage, what is the meaning of "Carbon Sequestration"?



- (A) A process in which carbon dioxide is kept in solid or liquid form.
- (B) A process of removing carbon dioxide from the atmosphere.
- (C) A process of removing carbon monoxide and keeping it in solid or

- liquid form.
- (D) A process of removing moisture from carbon dioxide and keeping it in solid or liquid form.



Answer Key

Q1 B
Q2 A
Q3 D
Q4 C
Q5 A
Q6 A
Q7 A
Q8 D
Q9 D
Q10 D
Q11 A
Q12 C
Q13 D
Q14 A
Q15 B

Q16 D
Q17 A
Q18 D
Q19 D
Q20 B
Q21 A
Q22 A
Q23 C
Q24 B
Q25 B
Q26 C
Q27 C
Q28 D
Q29 A
Q30 B



Hints & Solutions

Note: scan the QR code to watch video solution

Q1 Text Solution:

When you say you are going to 'Hit the Hay' you mean that you are going to bed.

Example of use: "I'm exhausted. Time to hit the hay."

Q2 Text Solution:

To pull one's punches means to go easy on someone or something, to restrain from applying the full force of one's judgement or criticism,

Q3 Text Solution:

The most appropriate antonym for the given word "Temporal" is: Religious

Let's explore each option:

Temporal/Earthly: connected with the real physical world, not spiritual matters

Worldly: This term relates to or is concerned with material things or the physical world, often in contrast to spiritual or religious matters.

Secular: not connected with spiritual or religious matters

Religious: This term is the most appropriate antonym. "Temporal" refers to things related to time and the material world, whereas "religious" pertains to spiritual or sacred matters, often beyond the confines of time.

Q4 Text Solution:

Replace 'than' with 'than that of'

Comparison should be in same rank. Here, We have to draw a comparison between two different blast waves generated from two different sources.

To compare the same kinds of things, Use 'that of' after 'than'

Correct sentence: The blast wave they generate is significantly longer in duration and sometimes more powerful than that of conventional explosives.

or

The blast wave they generate is significantly longer in duration and sometimes more powerful than the blast wave of conventional explosives.

Q5 Text Solution:

The correct sequence is: PQRS

The correct sequence sentence would be: Le Corbusier was born in a small town in the mountainous Swiss Jura region since the 18th century the world's center of precision watchmaking, All his life he was marked by the harshness of these surroundings and the puritanism of a Protestant environment.

Q6 Text Solution:

The relationship between Xylem and Water is that Xylem transports water in plants. Similarly, Phloem transports food in plants. Therefore, the correct pair is "Phloem: Food." The other options (Photosynthesis, Carbon Dioxide, Gases) do not represent the analogous relationship between the components being transported in the plant vascular system.

Q7 Text Solution:

The most appropriate antonym for the word "Archaic" is: Modern

The word "archaic" refers to something that is old-fashioned, outdated, or belonging to an earlier period. Therefore, the most appropriate antonym, which represents the opposite meaning, is "Modern." "Modern" refers to something current, contemporary, or characteristic of the present or recent times. "Modern" is the term that best captures the opposite meaning.

Obsolete - no longer used because something



new has been invented

Frivolous - (of people or their behaviour) silly or funny, especially when such behaviour is not suitable

Q8 Text Solution:

The word "quashing" in this context refers to annulling, invalidating, or setting aside the appointment orders issued by the management. When a petition before the court prays for "quashing," it means that the petitioner is seeking the cancellation or nullification of the specified orders.

The other options have different meanings:

Granting: Providing or allowing.

Removing: Taking away or eliminating.

Dismissing: Rejecting or removing from consideration.

Q9 Text Solution:

"PLACATE" means to pacify, appease, or calm someone who is upset or angry. It involves taking actions or using words to make peace or soothe someone's feelings.

For example, if someone is angry, you might try to placate them by offering an apology or a gesture of goodwill to ease their emotions and bring about a sense of calm.

Worship - to show respect for God or a god

Q10 Text Solution:

An amusing and interesting story is Anecdote

Poesy - poetry

Legend - a very famous person, especially in a particular field, who is admired by other people

Ballsy - very determined and showing a lot of courage

Q11 Text Solution:

The correct sequence is: QPRS

The correct sequence is:

Almaty, formerly Alma-Ata, southeastern Kazakhstan. Formerly the capital of Kazakhstan, it lost its capital status in 1995 to Aqmola (now Astana). The modern city was

founded in 1854 when the Russians established a military fortification on the site of the ancient city of Almaty, destroyed by the Mongols in the 13th century. With the coming of the railroad in 1930, its population grew rapidly.

Q12 Text Solution:

Using or expressing something in more words than are needed is Verbose.

Verbatim - exactly as spoken or written

Verbal - relating to words

Reprimand - the act of telling somebody officially that you do not approve of them or their actions

Q13 Text Solution:

The correct sequence is: PQSR

The correct sequence is:

Maps that William Clark made showing the geography of the West were published in 1810 and 1814. These remained the best maps of the region until the 1840s. The expedition did not find an all-water route across the continent, but the maps showed how to reach the Pacific Ocean by a combination of waterways and land routes.

Q14 Text Solution:

Replace 'a little money' with 'the little money'

1)Use of Little

'Little' is used in the sense of 'not much' or 'hardly any' or 'not enough' before singular uncountable noun to express quantity. It has a negative meaning.

Example

He has little money. - Meaning: He has not much/ negligible amount of money.

2)Use of Little



'A Little' is used in the sense of 'a small amount' before singular uncountable noun to express quantity. It has a positive meaning. Example - He has a little money. Meaning: He has a small amount of money.

3) Use of The Little

'The Little' is used in the sense of 'not much, but all that is available'/'the amount is small but all a person has'

Example - I spent the little money I had.

In the given sentence, Speaker is recommending the person to use all the money that he has so 'the little' is correct.

Q15 Text Solution:

If you say that someone has kicked the bucket, you mean that they have died.

Q16 Text Solution:

In this sentence, the word "**accrue**" means to accumulate or come into existence as a result of one's actions or the fulfillment of duties. The idea is that when someone performs their duties appropriately, rights naturally accumulate or are gained as a consequence. "**Accrue**" is often used in a legal or contractual context to describe the gradual accumulation or acquisition of rights or benefits over time through certain actions or obligations being met.

Q17 Text Solution:

"Devolve" means to transfer or delegate power, responsibility, or authority to a lower level, typically from a central government to a local authority or from a higher authority to a subordinate.

Therefore, "Delegate" is the most appropriate synonym in this context. To delegate is to entrust or transfer authority or responsibility to another person or a lower level of organization. Both "Devolve" and "Delegate" involve the idea of passing on tasks or

authority, making them synonymous in this context.

Q18 Text Solution:

A person with bad habits or faults which cannot be changed or corrected is incorrigible.

Infallible - never wrong; never making mistakes

Insertable - capable of being inserted.

Incurable - that cannot be cured

Q19 Text Solution:

In the given context, the term "excesses" refers to actions or behaviors that go beyond what is considered acceptable or appropriate. The sentence suggests that during the departmental inquiry, it was denied that the police had committed any undue or excessive actions, especially in relation to people under their custody.

The other options have different meanings:

Injuries: Physical harm caused to someone.

Crime: An illegal act or activity.

Blunder: A careless or foolish mistake.

Q20 Text Solution:

The word "Placid" describes a state of calmness, tranquility, and peacefulness. If something is placid, it is undisturbed, serene, and marked by a lack of turmoil or agitation. Therefore, "Calm" is the word that is almost nearest in meaning to "Placid." Both words convey a sense of quiet and peacefulness, making them synonymous in this context.

Q21 Text Solution:

The relationship between "Rabbit : hop" indicates a characteristic action associated with each animal. A rabbit is often associated with the action of hopping, which is a type of movement involving quick jumps off the ground.

Applying the same logic to the options:

Waddle: Ducks are often associated with the action of waddling, which involves a side-to-side walking motion.



Q22. Text Solution:

The sentence in question is referring to multiple landslides (plural), so it requires the past tense plural form of the verb "to be." In this case, "were" is the correct choice for (X).

Q23. Text Solution:

The most appropriate word for (Y) is: due
'due to' means 'because of'.

Due indicates that there is a cause-and-effect relationship between the economic activities and the landslides. The sentence implies that the economic activities are the reason why the landslides happened.

Q24. Text Solution:

The most appropriate word for (z) is: of.
The sentence talks about "**construction**" being done for a purpose. "Of" indicates the purpose behind the construction, which is building new buildings and roads.

Q25. Text Solution:

The word "where" is used to indicate a location or a place. In the context of the sentence, the "hydrogen wall" is being described as a specific place or location. Therefore, "where" is the most appropriate word to fill in the blank (X).

Q26. Text Solution:

The most appropriate word for (Y) is: but.
The sentence describes a counter-intuitive situation. The interstellar matter is both small and strong enough to affect the solar wind. "But" connects these contrasting ideas effectively.

Q27. Text Solution:

The most appropriate word for (Z) is: through
In the context of the sentence, the phrase "bust through" means to break through or penetrate. Therefore, the most appropriate word for (Z) is "through." The sentence is

conveying that the strength of the interstellar matter is not so strong as to completely break through the solar wind build-up.

Q28. Text Solution:

The correct statement/s according to the passage are: All of the above

The passage supports all three statements:

(a) "The central Western Ghats area (Karnataka) shows a very meager change in temperature."

This statement is supported by the passage, specifically mentioning that the central Western Ghats area in Karnataka experienced a slight increase in temperature (0.05 degrees Celsius).

(b) "The analyses demonstrate that land use has played a major role in moderating micro-climatic conditions in the Western Ghats."

The passage supports this statement by indicating that large-scale land cover shaved off, leading to deforestation with degradation, causing a significant impact on climate patterns in the Western Ghats.

c) "Kerala and part of Karnataka have witnessed large-scale climate changes."

This statement is supported by the passage, which mentions that regions in the southern parts of Western Ghats (Kerala and part of Karnataka) have witnessed large-scale climate changes, including modifications to local rainfall patterns.

Q29. Text Solution:

The passage does mention that a reduction in rainfall can affect carbon stock in the region.

Q30. Text Solution:

The passage mentions that carbon sequestration is a natural/artificial process by which carbon dioxide is removed from the atmosphere and held in solid or liquid form.

