

Solved General Science and Ability (GSA) 2024 MCQs

Here, you will find CSS [General Science and Ability \(GSA\) 2024 MCQs](#) section-A with explanation and PDF Download.

Get All GSA Past Papers [here](#) MCQs. Take [Quiz in CSS GSA 2024 MCQs](#)

Solved CSS GSA 2024 MCQs

1. In fish liver oil, there is:

- A. Vitamin A only
- B. Vitamin D only
- C. Vitamin A and vitamin E
- D. Vitamin A and Vitamin D

2. When day and night are equal?

- A. 23 February and 21 September
- B. 21 March and 23 September
- C. 23 March and 21 September
- D. None of these

3. What is the total number of combinations of 9 things taken 3 at a time?

- A. 18
- B. 27
- C. 84

D. 48

4. **The chemical formula for alum is:**

- A. $\text{KAl}(\text{SO}_4)_2 \cdot 12 \text{H}_2\text{O}$
- B. $\text{K}_2\text{SO}_4 \cdot 12 \text{H}_2\text{O}$
- C. $\text{KAl}(\text{SO}_4)_3 \cdot 8 \text{H}_2\text{O}$
- D. None of these

5. **If the radius of a circle is increased three times, then its area is increased:**

- A. Three times
- B. Six times
- C. Nine times
- D. None of these

6. **One degree of longitude on the equator is equal to a distance of:**

- A. 49 miles
- B. 69 miles
- C. 39 miles
- D. 60 miles

7. **The protein molecule is made of:**

- A. Alkaloids
- B. Nucleosides
- C. Short-range chain of amino acids
- D. Long-range chain of amino acids

8. **The minimum amount of vitamin stored in the human body is of:**

- A. Vitamin D
- B. Vitamin C
- C. Vitamin E
- D. Vitamin A

9. **The isotopes of any element contain an equal number of:**
- A. Protons
 - B. Neutrons
 - C. Electrons
 - D. None of these
10. **The pH of soil is raised using:**
- A. Lime stone
 - B. Gypsum
 - C. Urea
 - D. None of these
11. **Which of the following is used for measuring distance?**
- A. Light year
 - B. Coulomb
 - C. Farad
 - D. Curie
12. **Which of the following contains a greater number of carbon atoms in one mole each compound?**
- A. Chloroform
 - B. Methanol
 - C. Water
 - D. Ethanol
13. **A pencil dipped in water appears bent due to _____**
- A. Reflection
 - B. Diffraction
 - C. Refraction
 - D. None of these
14. **Fishes die outside the water due to:**
- A. Carbon monoxide
 - B. Oxygen

- C. Sun light
- D. Non-absorption of oxygen

15. In dementia, a person:

- A. Loses his weight
- B. Loses thinking, remembering, and reasoning
- C. Loses thinking and writing
- D. All of these

16. Earthquake is measured by the instrument:

- A. Wave guide
- B. Barometer
- C. Seismograph
- D. Hydrometer

17. A cyclone is formed:

- A. When the warm air rises upward over the ocean
- B. When moist air rises upward over the ocean
- C. When moist air pressed downward over the ocean
- D. When warm, moist air rises upward over the ocean

18. Why is red light used in a traffic signal for danger?

- A. Due to short wavelength
- B. Due to high frequency
- C. It has long wavelength and high frequency
- D. It has long wavelength and short frequency

19. The heavy water is:

- A. Denoted by D_2O and contains simple hydrogen
- B. Denoted by D_2O and contains deuterium
- C. Denoted by H_2O and contains deuterium
- D. Denoted by H_2O and contains simple hydrogen

20. **The ionosphere is located within the thermosphere and extends:**

- A. From 60-300 km above the Earth's surface
- B. From 50-200 km above the Earth's surface
- C. From 50-300 km above the Earth's surface
- D. None of the above

GSA CSS 2024 ANSWERS

Sure, here are mcqs explanations for CSS General Science paper 2024 Section-A

1. **In fish liver oil, there is:**

Answer: Vitamin A and Vitamin D

Explanation: Fish liver oil is rich in both vitamin A and vitamin D. Vitamin A is essential for maintaining healthy vision, skin, and immune function, while vitamin D is crucial for bone health, immune function, and overall well-being. These vitamins are often found together in foods like fish liver oil, making it a valuable dietary source for both nutrients.

2. **When day and night are equal?**

Answer: 21 March and 23 September

Explanation: Equinoxes occur around March 21st and September 23rd each year. During an equinox, the length of day and night is approximately equal across the globe. This phenomenon happens because the plane of Earth's equator passes the center of the Sun, causing the Sun to be positioned directly over the equator.

3. **What is the total number of combinations of 9 things taken 3 at a time?**

Answer: 84

Explanation: The total number of combinations of n things taken r at a time is calculated using the combination formula: $C(n, r) = \frac{n!}{[r! * (n - r)!]}$. For this question, it's $C(9, 3) = \frac{9!}{[3! * (9 - 3)!]} = 84$.

4. **The chemical formula for alum is:**

Answer: $\text{KAl}(\text{SO}_4)_2 \cdot 12 \text{H}_2\text{O}$

Explanation: Alum, a compound commonly used in various industrial and household applications, has the chemical formula $\text{KAl}(\text{SO}_4)_2 \cdot 12 \text{H}_2\text{O}$. It is a hydrated double sulfate salt containing aluminum.

5. **If the radius of a circle is increased three times, then its area is increased:**

Answer: Nine times

Explanation: The area of a circle is proportional to the square of its radius. So if the radius is increased three times, the area will be increased by a factor of $(3^2) = 9$ times.

6. **One degree of longitude on the equator is equal to a distance of:**

Answer: 69 miles

Explanation: At the equator, one degree of longitude corresponds to approximately 69 miles. This value varies slightly depending on the exact shape of the Earth.

7. **The protein molecule is made of:**

Answer: Long-range chain of amino acids

Explanation: Proteins are large biomolecules made up of long chains of amino acids. These chains fold into complex three-dimensional structures, which determine the protein's function.

8. **The minimum amount of vitamin stored in the human body is of:**

Answer: Vitamin D

Explanation: Among the given options, vitamin D is the only vitamin that can be stored in the body. Excess vitamin D is stored in fat tissues and released when needed.

9. **The isotopes of any element contain an equal number of:**

Answer: Protons

Explanation: Isotopes of an element have the same number of protons

(which defines the element), but they differ in the number of neutrons, leading to variations in atomic mass.

10. The pH of soil is raised using:

Answer: Lime stone

Explanation: Limestone (calcium carbonate) is commonly used to raise the pH of acidic soil. It acts as a buffer, neutralizing excess acidity and improving soil fertility.

11. Which of the following is used for measuring distance?

Answer: Light year

Explanation: A light-year is a unit of length used in astronomy to measure vast distances in space. It represents the distance that light travels in one year in a vacuum, approximately 9.461 trillion kilometers.

12. _____ is used as an anesthetic.

Answer: Chloroform

Explanation: Chloroform, a volatile liquid with anesthetic properties, was historically used as a general anesthetic in medical procedures. However, due to its toxic and carcinogenic effects, its use has been largely discontinued.

13. A pencil dipped in water appears bent due to?

Answer: Refraction.

Explanation:

When a pencil is dipped in water, it appears bent due to refraction.

Refraction is the bending of light as it passes from one medium to another of different optical density, such as from air to water. This bending of light causes the pencil to appear displaced or bent at the water's surface..

14. Fishes die outside the water due to:

Answer: Oxygen

Explanation: The option that leads to the death of fishes outside water is "Non-absorption of oxygen". When fishes are out of water, their gills can't

extract oxygen from the surrounding air efficiently. As a result, they can't breathe properly, leading to a lack of oxygen in their bodies, which can cause their death. Therefore, the absence or non-absorption of oxygen is what ultimately leads to the death of fishes outside water..

15. In dementia, a person:

Answer: Loses thinking, remembering, and reasoning

Explanation: Dementia is a neurological disorder characterized by a decline in cognitive function, affecting thinking, memory, and reasoning abilities.

16. Earthquake is measured by the instrument:

Answer: Seismograph

Explanation: A seismograph is an instrument used to measure the magnitude and duration of seismic waves generated by earthquakes.

17. A cyclone is formed:

Answer: When warm, moist air rises upward over the ocean

Explanation: Cyclones, also known as hurricanes or typhoons, are formed when warm, moist air rises upward over the ocean's surface, creating a low-pressure system that can develop into a storm.

18. Why is red light used in a traffic signal for danger?

Answer: It has long wavelength and high frequency

Explanation: Red light has a relatively long wavelength and low frequency compared to other colors in the visible spectrum. It is used in traffic signals for danger because it is easily visible and grabs attention, especially during low light conditions.

19. The heavy water is:

Answer: Denoted by D_2O and contains deuterium

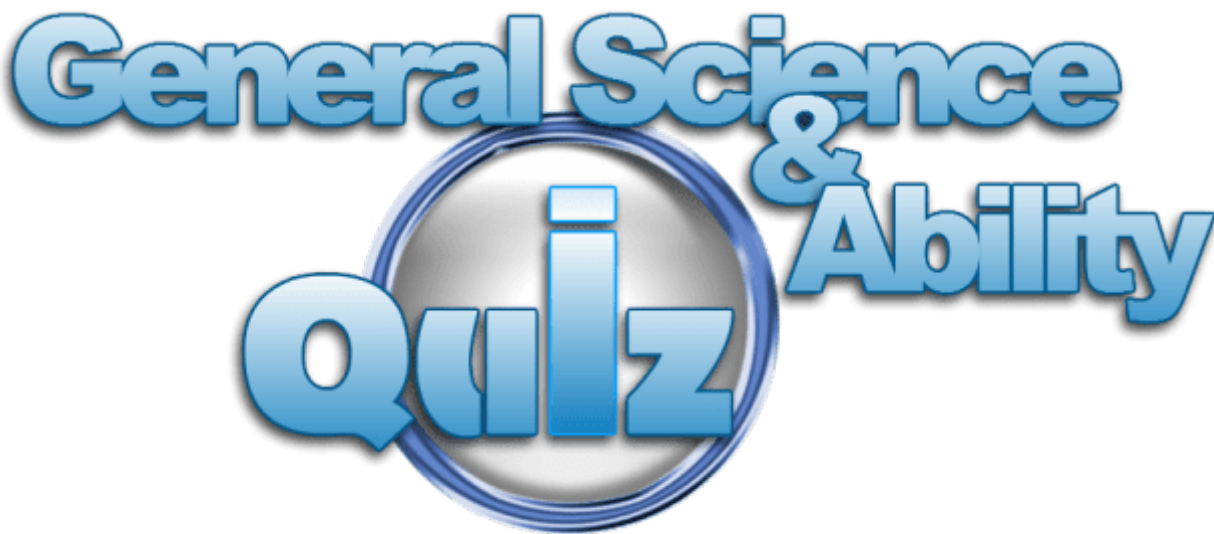
Explanation: Heavy water, denoted by D_2O , is a form of water where the hydrogen atoms are replaced with deuterium, a heavy isotope of hydrogen containing one proton and one neutron.

20. **The ionosphere is located within the thermosphere and extends:**

Answer: From 50-300 km above the Earth's surface

Explanation: The ionosphere is a region within the Earth's upper atmosphere, located within the thermosphere, and extends from approximately 50 to 300 kilometers above the Earth's surface. It contains a high concentration of ions and free electrons, which play a crucial role in various atmospheric phenomena and radio wave propagation.

General Science and Ability Quiz Past Paper MCQs



CSSMCQs.Com

General Science and Ability Quiz

Quiz in General Science And Ability (GSA) Past Papers:

General Science and Ability (GSA) is an essential part of each and every test. According to the [FPSC test](#) criteria, 80% of every general test comes from general knowledge which contains General Science questions and maths aptitude



questions. Thus, the importance of the General Science and Ability Quiz past paper MCQs cannot be denied.

Here, you will find quizzes based on General Science and Ability CSS MCQs past paper questions.

However, Our main focus will be on CSS past papers of GSA. Other quizzes from our website section of [General Knowledge](#) will also be shared here. You can practice any quiz you wish to attempt. If you want to get expertise then must try These MCQs Quizzes. As in most cases in every test CSS Past Paper MCQs are given, therefore, practising different Quizzes from [CSS Past papers](#) will be very fruitful for you.

Are you ready to take the General Knowledge MCQs Quiz now?

Below various Quizzes of Current Affair for your practice are given. You can select your desired quiz from the list below.

CSS General Science and Ability MCQs Quiz

[CSS SPECIAL General Science and Ability Quiz in Paper 2023](#) NEW

[CSS General Science and Ability Quiz in Paper 2023](#) NEW

[CSS General Science and Ability Quiz in Paper 2022](#) NEW

[CSS General Science and Ability Quiz in Paper 2021](#) NEW

[CSS General Science and Ability Quiz in Paper 2020](#)

[CSS General Science and Ability Quiz in Paper 2019](#)



[CSS General Science and Ability Quiz in Paper 2018](#)

[CSS General Science and Ability Quiz in Paper 2017](#)

NOTE: Before 2017, there used to be a different syllabus of the CSS Exam where 50 MCQs were given in the GSA paper. Thus making a quiz in **50 MCQs** is really time-consuming and such a tedious job. Please we do excuse for that.

[CSS General Science and Ability Quiz in Paper 2016](#)

[CSS General Science and Ability Quiz in Paper 2015](#)

[CSS General Science and Ability Quiz in Paper 2014](#)

[CSS General Science and Ability Quiz in Paper 2013](#)

[CSS General Science and Ability Quiz in Paper 2012](#)

[CSS General Science and Ability Quiz in Paper 2011](#)

Consider linking to these articles:

[SUMMARY of the article, Inflation and Devaluation, Miftah Ismail, Dawn](#)

[SUMMARY of the, Education crisis, Editorial](#)

[SUMMARY of the Pak-Iran relations By Aizaz Ahmad Chaudhry](#)

[Which important shipping lane, connecting the Arabian Sea to the Persian Gulf, passes through Pakistani waters and is vital for international trade? \(CSS MPT 2024\)](#)



**14 important Areas for CE-2024: Pakistan & Current Affairs
Paper Guess Paper**

What does the “12-U2” alliance stand for? (CSS MPT 2024)

**The AIIB (Asian Infrastructure Investment Bank) was established
by: (CSS MPT 2024)**

**Which U.S. military operation in 2011 resulted in the death of
Osama bin Laden in Pakistan? (CSS MPT 2024)**

**Which nation holds the distinction of being the top investor in
Africa by 2023? (CSS MPT 2024)**

Who Is Who And What Is What Mcqs