PHYSICS

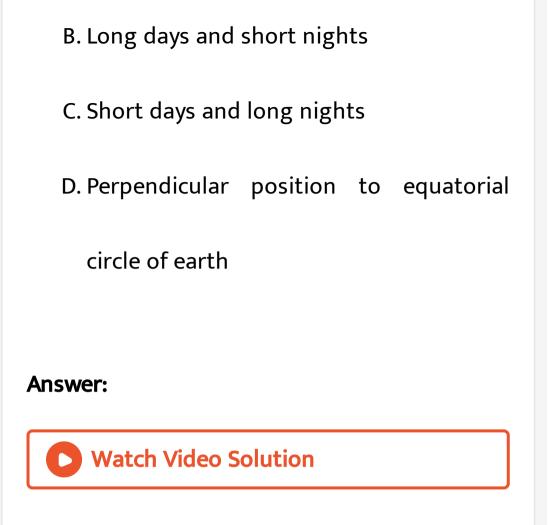# BOOKS - AGRAWAL EXAM CART BIHAR

PRACTICE SET 03

Section Iv General Science

1. What is equinox ?

A. Equal lengths of day and night

B. Long days and short nights

C. Short days and long nights

D. Perpendicular position to equatorial circle of earth

Answer:

2. The standard meridian of India is considered

A. $82 - 1/2° E$

B. $81 - 1/3° E$

C. $82 - 1/2° W$

D. $81 - 1/2° E$

Answer:

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3. Which of the following hormones is a steroid?

A. Estrogen

B. Glucagon

C. Insulin

D. Oxytocin

Answer:

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4. Which base is present in milk of magnesia?

A. Calcium hydroxide

B. Ammonium hydroxide

C. Magnesium hydroxide

D. Sodium hydroxide

Answer:

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5. Convex lenses are used for

A. Myopia

B. Hypermetropia

C. A little vision

D. None of the above

Answer:

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6. Who established the concept of absolute

zero ?

A. Louis Pasteur

B. Lord Kelvin

C. German Hess

D. William Henry Perkin

Answer:

7. Which of the following subatomic particle was covered by Goldstein on the basis of the cathode ray experiment ?

A. Proton

B. Neutron

C. Electron

D. Muon

Answer:

8. Which of the following statements is false?

A. Quinine, which is a malaria drug, is derived from a plant called Cinchona

B. Rice is a good source of vegetable oil

C. Proteins are found in abundance in pulses

D. Green vegetables are a good source of vitamins and mineral salts

Answer:

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9. Which of the following is true about a cyclic process?

A. The total heat absorbed equals the work

   done by the system

B. The system returns to its initial state

C. Both (A) and (B)

D. None

Answer:

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10. Red blood cells carry oxygen in the body. In adults, they are formed in ....

A. Liver

B. Kidneys

C. In the heart

D. In bone marrow

Answer:

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11. Which of the following is true about the focal length of a spherical mirror ?

A. It is equal to its radius of curvature

B. It is equal to half its radius of curvature

C. It is equal to twice its radius of curvature

D. None of the above

Answer:

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12. Which of the following eye-defects is also known as far-sightedness?

A. Myopia

B. Hypermetropia

C. Cataract

D. None

Answer:

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13. Walking on a surface with zero friction force is relatively:

A. is easy

B. is difficult

C. imposible

D. none of these

Answer:

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14. What do we call the long sightedness caused by loss of elasticity of the lens of the eye ?

A. Myopia

B. Presbyopia

C. Hypermetropia

D. None

Answer:

15. Which of the following is true about the force between two point charges as per the Coulomb's law?

A. Inversely as the square of the distance between the charges

B. Directly proportional to the product of the magnitude of the two charges

C. Both (A) and (B)

D. None of the above
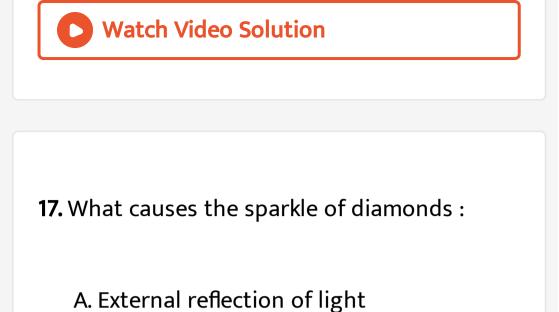
Answer:

16. What is the S.I. unit of electric charge?

A. Ampere

B. Coulomb

C. Joule

D. Watt

Answer:

17. What causes the sparkle of diamonds :

A. External reflection of light

B. Internal reflection of light

C. Multiple internal reflections

D. Multiple external reflections

Answer:

18. The reason why water ponds appear less deep?

    A. Refraction

    B. Reflection

    C. Prism

    D. Direct impression

Answer:

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19. Which of the following is correct about Permeability of free space?

    A. It is a scalar quantity

    B. Its S.I. unit is T mA^{-1}

    C. Both (A) and (B)

    D. None of the above

Answer:

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20. The S.I unit of magnetic dipole moment is

A. Joule/tesla

B. Joule/metre

C. Tesla/metre

D. Newton/metre

Answer:

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21. How can a moving coil galvanometer be converted into a voltmeter ?

A. By introducing a unit resistance in parallel

B. By introducing a unit resistance in series

C. By introducing large resistance in series

D. None of the above

Answer:

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22. Convex lenses are used for

A. Myopia

B. Hypermetropia

C. A little vision

D. None of the above

Answer:

23. Who established the concept of absolute zero ?

    A. Louis Pasteur

    B. Lord Kelvin

    C. German Hess

    D. William Henry Perkin

Answer:

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24. Which of the following is true about the focal length of a spherical mirror ?

A. It is equal to its radius of curvature

B. It is equal to half its radius of curvature

C. It is equal to twice its radius of curvature

D. None of the above

Answer:

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25. Which of the following eye-defects is also known as far-sightedness?

A. Myopia

B. Hypermetropia

C. Cataract

D. None

Answer:

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26. Walking on a surface with zero friction force is relatively:

A. is easy

B. is difficult

C. imposible

D. none of these

Answer:

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27. What do we call the long sightedness caused by loss of elasticity of the lens of the eye ?

A. Myopia

B. Presbyopia

C. Hypermetropia

D. None

Answer:

28. Which of the following is true about the force between two point charges as per the Coulomb's law?

A. Inversely as the square of the distance between the charges

B. Directly proportional to the product of the magnitude of the two charges

C. Both (A) and (B)

D. None of the above

Answer:
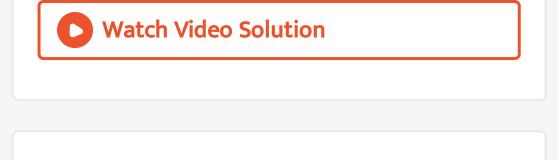
29. What is the S.I. unit of electric charge?

A. Ampere

B. Coulomb

C. Joule

D. Watt

Answer:

30. What causes the sparkle of diamonds :

A. External reflection of light

B. Internal reflection of light

C. Multiple internal reflections

D. Multiple external reflections

Answer:

31. The bottom of a pond appears raised.

A. Refraction

B. Reflection

C. Prism

D. Direct impression

Answer:

32. What is the value of absolute permeability of free space? Give its units.

    A. It is a scalar quantity

    B. Its S.I. unit is T mA^{-1}

    C. Both (A) and (B)

    D. None of the above

Answer:

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33. The S.I unit of magnetic dipole moment is

A. Joule/tesla

B. Joule/metre

C. Tesla/metre

D. Newton/metre

Answer:

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34. How can a moving coil galvanometer be converted into a voltmeter ?

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B. By introducing a unit resistance in series

C. By introducing large resistance in series

D. None of the above

Answer:

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