

Science Miscellaneous Quiz

Q1. Phytochrome is involved in

- (a) phototropism
- (b) photorespiration
- (c) photoperiodism
- (d) geotropism.

Q2. Gibberellins promote

- (a) seed germination
- (b) seed dormancy
- (c) leaf fall
- (d) None of these

Q3. Cut or excised leaves remain green for long if induced to root or dipped in

- (a) gibberellins
- (b) cytokinins
- (c) auxins
- (d) ethylene.

Q4. Hormone primarily connected with cell division is

- (a) IAA
- (b) NAA
- (c) cytokinin
- (d) gibberellic acid

Q5. Carbon dioxide joins the photosynthetic pathway in

- (a) PS I
- (b) PS II
- (c) light reaction
- (d) dark reaction.

Q6. NADP + is reduced to NADPH in

- (a) PS I
- (b) PS II
- (c) Calvin cycle
- (d) noncyclic photophosphorylation.

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Q7. Minerals absorbed by root move to the leaf through

- (a) xylem
- (b) phloem
- (c) sieve tubes
- (d) none of the above

Q8. Stomata open and close due to

- (a) circadian rhythm
- (b) genetic clock
- (c) pressure of gases inside the leaves
- (d) turgor pressure of guard cells.

Q9. Photosynthesis proceeds in sequence of-

- (a) Dark phase and light phase
- (b) Light phase alone
- (c) Light phase and dark phase
- (d) Dark phase alone

Q10. Which one increases in the absence of light?

- (a) uptake of minerals
- (b) uptake of water
- (c) elongation of internodes
- (d) ascent of sap.

Q11. Ohm's law is not:

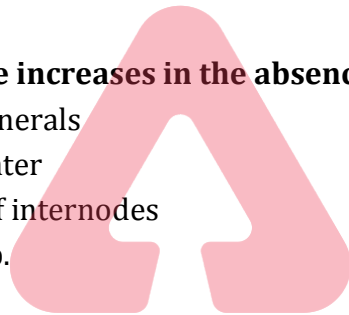
- (a) $V = IR$
- (b) $I = V/R$
- (c) $R = IV$
- (d) $R = V/I$

Q12. Earliest thermometer was developed by

- (a) Celsius
- (b) Fahrenheit
- (c) Kelvin
- (d) Galileo

Q13. SI unit of temperature is

- (a) Kelvin
- (b) Celsius
- (c) Fahrenheit
- (d) Joule



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Q14. The correct value of 0° C on the Kelvin scale is

- (a) 273 K
- (b) 273.15 K
- (c) 275.15 K
- (d) 270 K

Q15. A temperature at which both the Fahrenheit and the centigrade scales have the same value is

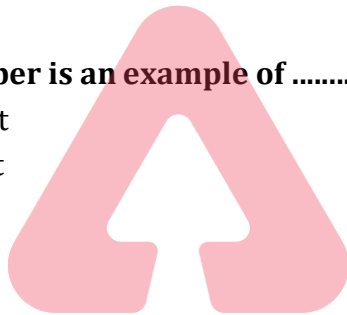
- (a) -60°
- (b) -40°
- (c) -20°
- (d) 0°

Q16. The gas thermometers is more sensitive than the liquid thermometers because gases

- (a) expand more than liquids
- (b) do not change their states easily
- (c) are much lighter
- (d) are easy to obtain

Q17. Butter paper is an example of object.

- (a) a transparent
- (b) a translucent
- (c) an opaque
- (d) a luminous



Q18. The special technique used in ships to calculate the depth of ocean beds is

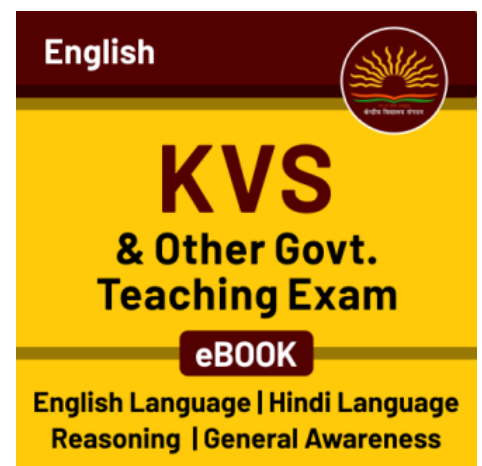
- (a) LASER
- (b) SONAR
- (c) sonic boom
- (d) reverberation

Q19. The clouds float in the atmosphere because of their low

- (a) temperature
- (b) velocity
- (c) pressure
- (d) density

Q20. The temperature of the sun is measured with

- (a) platinum thermometer
- (b) pyrometer
- (c) gas thermometer
- (d) vapour pressure thermometer



Q21. The mass of the atom is determined by_____.

- (a) neutrons
- (b) neutron and proton
- (c) electron
- (d) electron and neutron

Q22. Which of the following alloy is used for making magnets for hearing aids—?

- (a) Invar
- (b) German silver
- (c) Monel metal
- (d) Alinco

Q23. Emery consists of impure—

- (a) Iron
- (b) Corundum
- (c) Carbon
- (d) Graphite

Q24. Electron was discovered by_____.

- (a) Chadwick
- (b) Thomson
- (c) Goldstein
- (d) Bohr



Q25. The element which exhibit maximum catenation property

- (a) C
- (b) Si
- (c) Ge
- (d) Pb

Q26. Graphite is used in atomic piles—

- (a) As a lubricant
- (b) As a fuel
- (c) As an insulator
- (d) As a moderator

Q27. Chadwick got the Nobel Prize for the discovery of_____.

- (a) protons
- (b) neutrons
- (c) electrons
- (d) mesons



Q28. Almost the entire mass of an atom is concentrated in the _____.

- (a) proton
- (b) electrons
- (c) nucleus
- (d) neutrons

Q29. Synthetic gas is a mixture of—

- (a) Steam and carbon monoxide
- (b) Carbon monoxide and nitrogen
- (c) Hydrogen and methane
- (d) Hydrogen and carbon monoxide

Q30. Activated charcoal is employed to remove colouring matter from pure substance, it works by—

- (a) Bleaching
- (b) Oxidation
- (c) Reduction
- (d) Adsorption



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- S1. Ans.(c)
- S2. Ans.(a)
- S3. Ans.(b)
- S4. Ans.(c)
- S5. Ans.(d)
- S6. Ans.(d)
- S7. Ans.(a)
- S8. Ans.(d)
- S9. Ans.(c)
- S10. Ans.(c)
- S11. Ans.(c)
- S12. Ans.(d)
- S13. Ans.(a)
- S14. Ans.(b)
- S15. Ans.(b)

- S16. Ans.(a)
- S17. Ans.(b)
- S18. Ans.(b)
- S19. Ans.(d)
- S20. Ans.(b)
- S21. Ans.(b)
- S22. Ans.(d)
- S23. Ans.(b)
- S24. Ans.(b)
- S25. Ans.(a)
- S26. Ans.(d)
- S27. Ans.(b)
- S28. Ans.(c)
- S29. Ans.(d)
- S30. Ans.(d)

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