

CLASS-VII-SCIENCE

SET - B

1. Which of the following equation most adequately sums up the photosynthetic reaction?

- (A) $\text{CO}_2 + \text{H}_2\text{O} \xrightarrow{\text{light}} \text{CH}_2\text{O} + \text{O}_2$
(B) $\text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 \rightarrow 6\text{CO}_2 + 6\text{H}_2\text{O}$
(C) $6\text{CO}_2 + 6\text{H}_2\text{O} \xrightarrow[\text{sunlight}]{\text{chlorophyll}} \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 + 6\text{H}_2\text{O}$
(D) $6\text{CO}_2 + 12\text{H}_2\text{O} \xrightarrow[\text{chlorophyll}]{\text{light}} \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 + 6\text{H}_2\text{O}$

2. The process in which water is split during photosynthesis is:

- (A) Electrolysis
(B) Plasmolysis
(C) Photolysis
(D) None of these

3. The energy stored during photosynthesis is in the form of:

- (A) ADP
(B) ATP
(C) DNA
(D) AMP

4. In human, the process of digestion begins in the:

- (A) Oesophagus
(B) Buccal cavity
(C) Stomach
(D) Pharynx

5. Digestion of starch by pancreatic amylase occurs in:

- (A) Stomach
(B) Liver
(C) Duodenum
(D) Large intestine

6. Pyloric sphincter is present between:

- (A) Stomach and duodenum
(B) Duodenum and ileum
(C) Ileum and caecum
(D) Ileum and large intestine

7. Science of raising silk worms so as to obtain silk cocoons, is

- (A) Apiculture
(B) Floriculture
(C) Silviculture
(D) Sericulture

8. Sorter's disease is a fatal disease related to

- (A) Blood
(B) Urine
(C) Stool
(D) Sweat

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9. The formula for potassium hydroxide is
- (A) NaOH (B) KOH
(C) K₂O (D) K(OH)₂
10. Which of the following is the formula for potassium oxide?
- (A) K₂O (B) NaOH
(C) P₂O₅ (D) Na₂O
11. Which of the following is used in fire extinguishers?
- (A) Sodium hydroxide (B) Sodium carbonate
(C) Sodium bicarbonate (D) Sodium chloride
12. The thermal energy felt by standing around a camp fire is from
- (A) conduction (B) convection
(C) radiation (D) vaporization
13. On a hot day, beach sand is hotter than the ocean water because of difference in
- (A) texture (B) expansion
(C) colour (D) specific heat
14. Which one of the following produces negative pressure within your thoracic cavity?
- (A) Exhalation (B) Contraction of diaphragm muscles
(C) Relaxation of the muscles between the ribs (D) Relaxation of diaphragm muscles
15. The trachea, bronchi & bronchioles of the human have all the following function except:
- (A) Increasing the surface area available for gaseous exchange
(B) Moistening the incoming air
(C) Conducting mucous away from the alveoli
(D) Warming the incoming air to body temperature
16. What is the climatic condition of a desert?
- (A) Hot and Humid (B) Hot and Dry
(C) Cold and Humid (D) Moderate temp. & scanty rainfall
17. Which feature is adapted by polar bear to live in extremely cold climate?
- (A) A white fur, fat below skin, keen sense of smell
(B) Thin skin, large eyes, a white fur
(C) A long tail, strong claws, webbed feet and large ears
(D) Webbed feet for swimming, gills for respiration
18. Which of the following is not a mixture?
- (A) Air (B) Milk
(C) Water (D) Soil

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19. Which of the following is not a compound?
- (A) Air (B) Water
(C) Sugar (D) Marble
20. On heating, a solid gets directly converted into gaseous state. This change is called:
- (A) Evaporation (B) Sublimation
(C) Fusion (D) Diffusion
21. Which of the following is a vector physical quantity?
- (A) distance covered (B) time interval
(C) average velocity (D) mass
22. The interval between two events is called
- (A) time (B) distance
(C) speed (D) displacement
23. To measure short intervals of time, we use a
- (A) stop watch (B) pendulum clock
(C) wrist watch (D) none of these
24. The process of conversion of water vapours into liquid form of water is called
- (A) condensation (B) Evaporation
(C) sublimation (D) None of these
25. In which continent cyclone is also called 'Hurricane'?
- (A) Asia (B) America
(C) Africa (D) Europe
26. Aquatic animals excrete:
- (A) Urea (B) Uric acid
(C) Ammonia (D) Carbon dioxide
27. The kidneys in human beings are a part of the system for:
- (A) Nutrition (B) Respiration
(C) Excretion (D) Transportation
28. Zoophily is pollination through:
- (A) Animals (B) Insects
(C) Wind (D) Water
29. Pollination occurs in:
- (A) Bryophytes and Angiosperms (B) Pteridophytes and Angiosperms

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- (C) Angiosperms and Gymnosperms (D) Angiosperms and Fungi
30. Which of the following does not help in preventing soil erosion?
(A) Plastic cover on the soil (B) Afforestation
(C) Covering soil by grass and climbers (D) Step farming
31. Soil is formed by the action of rain, snow, fluctuating temperature on rocks. The process is called
(A) Leaching (B) Silting
(C) Weathering (D) Soil erosion
32. Plastic materials are not acted upon by bacteria and other decomposers. They are called
(A) Biodegradable (B) Soil cover
(C) Non-biodegradable (D) None of these
33. The safety device used for electrical appliances is
(A) key (B) resistance
(C) connecting wire (D) fuse
34. Which of the following appliances is not based on the principle of heating effect of current?
(A) electric bell (B) electric kettle
(C) electric bulb (D) electric heater
35. Natural vegetation grows without:
(A) Soil (B) Water
(C) Plantation by man (D) Air
36. A food chain includes:
(A) Producers and herbivores (B) Producers, carnivores, decomposers
(C) Producers and decomposers (D) Producers, herbivores, carnivores
37. Man himself is a great disseminator of seeds, he disperse seeds to get:
(A) Food (B) Fodder
(C)Fibre (D)All of these
38. Solid matter that settles to the bottom in the sedimentation tank is:
(A) Sewage (B) Sludge
(C) Contaminant (D) Wastewater
39. Collecting and reprocessing a resource to reuse it or making it useful is called:
(A) Petrochemicals (B) Recycling
(C) Ecology (D) Landfill
40. Sewage pollutes:

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- (A) Soil
(C) Water
- (B) Sea
(D) All of the above

41. What do you mean by infiltration?

- (A) Process of evolving water from the ground
(B) Process of water flowing on the ground
(C) Process of seepage of water into the ground
(D) None of these

42. Three fourths of the surface of the earth is covered by

- (A) Soil
(C) Air
- (B) Water
(D) Ice

43. To form a virtual image, we may use

- (A) only convex mirror
(C) either convex or concave mirror
- (B) only concave mirror
(D) cannot say

44. The image formed by a spherical mirror is virtual. The mirror is

- (A) convex
(C) either convex or concave
- (B) concave
(D) cannot say

45. Which colour is produced by mixing of blue and green?

- (A) cyan
(C) yellow.
- (B) magenta
(D) black

