12. Name the treatment which improves blood circulation:
   (a) Exercise  (b) Skin peeling
   (c) Electrolysis  (d) Massage

13. Which Vitamin is essential for natural clotting of blood?
   (a) Vit. E  (b) Vit. K
   (c) Vit. B  (d) Vit. A

14. Which helps to separate particles that vaporizes directly from mixture?
   (a) Distillation  (b) Sublimation
   (c) Decantation  (d) Sprouting

15. Name the process shown by the picture.
   ![Diagram of Carbon dioxide and Oxygen]
   (a) Reproduction  (b) Photosynthesis
   (c) Respiration  (d) None of these

16. A gas that comes out when you open an aerated drink bottle is:
   (a) Carbon dioxide  (b) Oxygen
   (c) Nitrogen  (d) Hydrogen

17. In the following diagram some seeds are kept in four different beakers for sprouting. In which of the beaker sprouting will be fast?
   (a) A  (b) B
   (c) C  (d) D

18. Substances which dissolve a number of substances are called:
   (a) Solute  (b) Solvent
   (c) Solution  (d) None of the above

19. Chalk is made of a chemical called:
   (a) Sodium hydroxide  (b) Sodium carbonate
   (c) Calcium carbonate  (d) Calcium monoxide

20. Which is malleable?
   (a) Glass  (b) Aluminium
   (c) Chalk  (d) Graphite

21. Whose eyes move independently of each other, one looking forward and one backward?
   (a) Snake  (b) Chameleon
   (c) Frog  (d) Owl

22. Rearing of silkworms is called:
   (a) Apiculture  (b) Pisciculture
   (c) Sericulture  (d) Horticulture

23. Which mixture can be filtered using the equipment shown below?
   (a) A mixture of sand and pepper  (b) A mixture of oxygen and water
   (c) A mixture of sugar in water  (d) A mixture of sand and water

24. Identify the animal that does not belong to the group given below:

<table>
<thead>
<tr>
<th>Cold-blooded</th>
<th>Warm-blooded</th>
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<tbody>
<tr>
<td>Crocodile</td>
<td>Cat</td>
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<tr>
<td>Snake</td>
<td>Dog</td>
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<td>Horse</td>
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   (a) Snake  (b) Cat
   (c) Horse  (d) Crocodile

25. Which is a regenerated fibre?
   (a) Nylon  (b) Rayon
   (c) Silk  (d) Both ‘a’ and ‘b’
26. Which of the following is the feature of a physical change?
   (a) It is reversible
   (b) It is a permanent change
   (c) A new substance is formed
   (d) All of the above

27. Amphibians are animals that live:
   (a) On land
   (b) On trees
   (c) In water
   (d) Both on land and in water

28. Over ripening of fruit is a _______ change.
   (a) Desirable
   (b) Reversible
   (c) Undesirable
   (d) None of the above

29. The process of conversion of solids into liquids is called:
   (a) Expansion
   (b) Contraction
   (c) Fusion
   (d) Solidification

30. The change in which new substances are formed is called:
   (a) Physical
   (b) Biological
   (c) Reversible
   (d) Chemical

31. An example of a plant in which the stem does the function of a leaf is:
   (a) Prickly pear
   (b) Sugarcane
   (c) Cactus
   (d) Sunflower

32. Why it's easy to float in sea compare to lake?
   (a) Sea has more water which gives less up thrust
   (b) Sea has more salt which make it denser and more water which give more up thrust
   (c) Sea has more fishes which do not allow our body to go in water
   (d) None of these

33. Which of the following is not the vegetative organ of a plant?
   (a) Flower
   (b) Stem
   (c) Leaf
   (d) Fruit

34. Stomata help in:
   (a) Exchange of gases
   (b) Intake of carbon dioxide
   (c) Transpiration
   (d) All of the above

35. Which reproduces through the leaf?
   (a) Onion
   (b) Potato
   (c) Ginger
   (d) Bryophyllum

36. _______ are produced in the bone marrow.
   (a) WBC
   (b) RBC
   (c) Platelets
   (d) All of the above

37. Name the plants which grow in moist habitats:
   (a) Hydrophytes
   (b) Xerophytes
   (c) Mesophytes
   (d) None of the above

38. Streamlined body in animals is an adaptation to _______ habitats.
   (a) Aquatic
   (b) Aerial
   (c) Both 'a' & 'b'
   (d) Terrestrial

39. Example of household garbage is:
   (a) Crockery pieces
   (b) Dal packets
   (c) Vegetable peels
   (d) All of these

40. Xerocoles are animals living in:
   (a) Water
   (b) Air
   (c) Desert
   (d) Caves

41. The cell theory states that:
   (a) All cells have nuclei
   (b) All cells are living
   (c) Cells reproduce by mitosis and meiosis
   (d) Cells are the fundamental structural units of plants and animals
42. Reticulate venation is seen in:
   (a) Paddy  (b) Wheat  (c) Hibiscus  (d) Bajra

43. The male reproductive part of the flower is:
   (a) Stamen  (b) Androecium  (c) Petal  (d) Sepal

44. The image of an object forms on:
   (a) Retina of the eye  (b) The cornea of the eye  (c) The pupil of the eye  (d) The iris of the eye

45. The property by which a substance can be drawn into wires is called:
   (a) Plasticity  (b) Malleability  (c) Ductility  (d) Britteness

46. Caterpillars and earthworms have _______ skeleton.
   (a) Endo  (b) Exo  (c) Liquid  (d) None of the above

47. Number of rib bones is:
   (a) 13 pairs  (b) 14 pairs  (c) 12 pairs  (d) 12

48. Wrist is an example of _______ joint.
   (a) Gliding  (b) Hinge  (c) Fused  (d) Pivotal

49. The exoskeleton is made of:
   (a) Pectin  (b) Myosin  (c) Actin  (d) Chitin

50. Which is the first vertebra of the vertebral column?
   (a) Atlas  (b) Axis  (c) Coccyx  (d) None of the above

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ANSWER BLOCK – 06
1. Which helps in building our body and helps us to grow?
   (a) Carbohydrates  (b) Proteins  
   (c) Vitamins    (d) Water

2. Which Vitamin is also known as ascorbic acid?
   (a) Vitamin A  (b) Vitamin B  
   (c) Vitamin C  (d) Vitamin D

3. Bees are called drones.
   (a) Male  (b) Female  
   (c) Worker  (d) None of the above

4. Name the protein present in human blood:
   (a) Glutern  (b) Plasma  
   (c) Amino acid   (d) Haemoglobin

5. Find out the carbohydrate we cannot digest.
   (a) Starch  (b) Glucose  
   (c) Sucrose   (d) Cellulose

6. Fish is preserved with the process:
   (a) Smoking  (b) Drying  
   (c) Sprouting  (d) Deep freezing

7. Which of the following animal uses sonar as a hearing aid?
   (a) Bats  (b) Dolphin  
   (c) Porpoise  (d) All

8. A bulb when connected to a circuit does not glow because:
   (a) The bulb was fused  
   (b) The battery is dead  
   (c) The filament of the bulb got cut off  
   (d) All the above

9. Which one of the following works on the principle of air pressure?
   (a) Pulley  (b) Wall clock  
   (c) Syringe  (d) None of these

10. Which chemical is used to increase the octane number of petrol?
    (a) Benzene  (b) Octane  
     (c) Tetraethyl lead  (d) All of these

11. The method of separating clear liquid from the sediments is called:
    (a) Decantation  (b) Filtration  
     (c) Evaporation  (d) Condensation