

**BALABHADRA SKILL DEVELOPMENT ACADEMY**  
**SCIENCE QUESTION BANK - 5**

Time: 1 Hour

Full marks: 50

Pass marks: 40

1. Blood that circulates in the body distributes \_\_\_\_ and \_\_\_\_ to different cells of the body.
2. Blood carries waste products from different parts of the body for \_\_\_\_.
3. Circulatory system consists of the \_\_\_\_ and \_\_\_\_.
4. In humans, blood flows through \_\_\_\_ and \_\_\_\_ and the heart acts as a \_\_\_\_ organ.
5. Blood consists of \_\_\_\_, \_\_\_\_, \_\_\_\_ and \_\_\_\_.
6. Blood is red due to the presence of a \_\_\_\_ and \_\_\_\_.
7. The human heart beats about \_\_\_\_ times per minute in an adult person and this is called \_\_\_\_.
8. \_\_\_\_ carry blood from the heart to all parts of the body.
9. \_\_\_\_ carry blood from all parts of the body back to the heart.
10. Removal of waste products from the body is called \_\_\_\_.
11. Excretory system of humans consists of \_\_\_\_, \_\_\_\_, \_\_\_\_, and \_\_\_\_.
12. \_\_\_\_ and \_\_\_\_ are removed along with water as sweat.
13. Fishes excrete waste substances such as \_\_\_\_ which directly dissolve in water.
14. Birds, insects and lizard excrete uric acid in \_\_\_\_ form.
15. \_\_\_\_ and \_\_\_\_ ~~nutrients~~ are absorbed by roots from the soil.
16. Nutrients are transported along with water to the entire plant via \_\_\_\_ and is called \_\_\_\_.
17. The vascular tissue for the transport of food to the various parts of the plant is \_\_\_\_.
18. A lot of water is lost by plants in the form of vapour through stomata during \_\_\_\_.
19. \_\_\_\_ generates a force which pulls up water absorbed by the roots from the soil, to reach the stem and leaves.
20. The methods of asexual reproduction in plants are \_\_\_\_, \_\_\_\_, \_\_\_\_ & \_\_\_\_.
21. In plants there are two modes of reproduction, \_\_\_\_ and \_\_\_\_.
22. \_\_\_\_ reproduction involves the fusion of male and female gametes.
23. In \_\_\_\_ propagation new plants are produced from different vegetative parts such as leaves, stems and roots.
24. Flower is the \_\_\_\_ part of a plant.
25. A flower may be \_\_\_\_ with either the male or the female reproductive parts.
26. A \_\_\_\_ flower has both the male and the female reproductive parts.
27. The male gametes are found inside the \_\_\_\_ grains and female gametes are found in the \_\_\_\_.
28. \_\_\_\_ is the process of transfer of pollen grains from the anther of one flower to the stigma of the same or another flower.

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- 28(a) In Pollination, pollen grains from \_\_\_\_ of the flower is transfer<sup>ed</sup> to \_\_\_\_ of same or another flower.
29. Pollination is of two types, \_\_\_\_ and \_\_\_\_.
30. In \_\_\_\_, pollen grains are transferred from the anther to the stigma of the same flower.
31. In \_\_\_\_, pollen grains are transferred from the anther of one flower to the stigma of another flower of the same kind.
32. Pollination takes place in plants with the help of \_\_\_\_, \_\_\_\_ and \_\_\_\_.
33. The fusion of male and female gametes is called \_\_\_\_.
34. Egg is called \_\_\_\_.
35. Zygote develops into an \_\_\_\_.
36. Fruit is the mature \_\_\_\_ whereas ovule develops into a \_\_\_\_.
- 36(a) \_\_\_\_ contains the developing embryo.
37. Seed dispersal is aided by \_\_\_\_, \_\_\_\_ and \_\_\_\_.
38. Seed dispersal helps the plants to \_\_\_\_, \_\_\_\_, and \_\_\_\_.
39. The distance moved by an object in a unit time is called its \_\_\_\_.
40. \_\_\_\_ of objects help us to decide which one is moving faster than the other.
41. The basic unit of speed is \_\_\_\_.
42. Periodic events are used for the measurement of \_\_\_\_.
43. \_\_\_\_ of a Pendulum has been used to make clocks and watches.
44. Motion of objects can be presented in pictorial form by \_\_\_\_.
45. The distance time graph for the motion of an object moving with a constant speed is a \_\_\_\_.
46. An electric circuit can be represented by a \_\_\_\_.
47. When an electric current flows through a wire, the wire gets \_\_\_\_ and it is called \_\_\_\_.
48. When large electric currents are passed through fuse, it \_\_\_\_.
49. When an electric current flows through a wire, it behaves like a \_\_\_\_.
50. A current carrying coil of an insulated wire wrapped around a piece of iron is called an \_\_\_\_.

**BALABHADRA SKILL DEVELOPMENT ACADEMY**  
**SCIENCE QUESTION BANK – 5 (ANSWER)**

1. food, oxygen
2. excretion
3. ~~Heart~~  
Heart, blood vessels
4. arteries, veins, pumping
5. plasma, RBC, WBC, platelets
6. red pigment, haemoglobin
7. 70–80, heart rate
8. Arteries
9. Veins
10. excretion
11. two kidneys, two ureters, a urinary bladder, urethra
12. Salts, urea
13. ammonia
14. semi-solid
15. Water, mineral
16. vascular tissue, xylem
17. phloem
18. transpiration
19. Transpiration
20. fragmentation, budding, spore formation, vegetative propagation
21. asexual, sexual
22. Sexual
23. vegetative
24. reproductive
25. unisexual
26. bisexual
27. pollen, ovule
28. Pollination
- 28(a) anther, stigma
29. self-pollination, cross-pollination
30. self-pollination
31. cross-pollination
32. wind, water, insects
33. fertilisation
34. zygote
35. embryo
36. ovary, seed
- 36(a) seed
37. wind, water, animals
38. prevent overcrowding, avoid competition for sunlight<sup>and</sup> minerals, invade new habitats
39. speed
40. Speed
41. metre per second (m/s)

- 42. time
- 43. Periodic motion
- 44. distance time graph
- 45. straight line
- 46. circuit diagram
- 47. heated, heating effect of current
- 48. melts
- 49. magnet
- 50. electromagnet

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