



BIOLOGY

BOOKS - MBD NCERT SOLUTIONS

LIFE PROCESSES

Multiple Choice Questions

1. The artery used for measuring blood pressure is :

A. Common carotid

B. External iliac

C. Brachial

D. Aorta

Answer: C



Watch Video Solution

2. Mode of nutrition in CUSCUTA is :

A. Autotrophic

B. Heterotrophic

C. Photosynthetic

D. Parasitic

Answer: D



Watch Video Solution

3. Where is kidney located in our human body?

A. In Neck

B. In Upper limbs

C. In Abdomen

D. In Stomach

Answer: C



Watch Video Solution

4. The largest gland in human digestive system is :

A. Liver

B. Salivary gland

C. Pancreas

D. Gastric gland

Answer: A



Watch Video Solution

5. Full expanded form of DNA is :

A. Deoxyribo Nucleic Acid

B. Dealcohol Nucleic acid

C. Deoxy Nucleic acid

D. All of above.

Answer: A



Watch Video Solution

6. The absorbed water and minerals from soil are transported upward in plant body through :

A. Xylem

B. Phloem

C. 'Both (A & B)

D. None of (A & B).

Answer: A



Watch Video Solution

7. A.T.P. full expanded name is :

A. Acid triphosphate

B. Adenosine triphosphate

C. Acid tri gases phosphate

D. Adeno tri phosphate.

Answer: B



Watch Video Solution

8. How many Chambers are present in our heart?

A. 2

B. 4

C. 3

D. 1

Answer: B



Watch Video Solution

9. Name the cell organelles which contain chlorophyll.

A. Mitochondria

B. Nucleus

C. Chloroplast

D. All of the above.

Answer: C



Watch Video Solution

10. What regulates the exit of food from stomach into small intestine ?

A. Valve

B. Sphincter muscle

C. Villi

D. All of the above.

Answer: B



Watch Video Solution

11. Which of the following enzymes are present in pancreatic juice ?

A. Amylase and Lipase

B. Sucrose and Amylase

C. Pepsin and Trypsin

D. Trypsin and Lipase

Answer: D



Watch Video Solution

12. Which of the following is the respiratory pigment in human ?

A. Phytochrome

B. Cytochrome

C. Haemoglobin

D. None of the above

Answer: C



Watch Video Solution

13. Which process deals with the conversion of light energy into chemical energy ?

A. Respiration

B. Photosynthesis

C. Both (A) & (B)

D. None of the above.

Answer: B



Watch Video Solution

14. What facilitates the action of enzymes pepsin in the human stomach ?

A. NaOH

B. Bile Juice

C. HCl

D. All of the above.

Answer: C



Watch Video Solution

15. Aerobic Respiration is the process in which complex molecules are changed into simpler molecules :

A. In the presence of O_2

B. In the absence of O_2

C. Both (A) and (B)

D. None of the above.

Answer: A



Watch Video Solution

16. The function of Haemoglobin is :

A. To transport O_2 in the body

B. To transport CO_2 in the body

C. Both (A) and (B)

D. None of the above.

Answer: A



Watch Video Solution

17. Which of the following essential element is used in the synthesis of proteins ?

A. Carbon

B. Sulphur

C. Potassium

D. Nitrogen

Answer: D



Watch Video Solution

18. What are locomotory organs of paramecium?

A. Flagella

B. Cilia

C. Tentacles

D. Pseudopodia

Answer: B



Watch Video Solution

19. The anther contains :

A. Sepals

B. Ovules

C. Carpel

D. Pollen grains .

Answer: D



Watch Video Solution

20. Binary Fission is :

- A. Sexual method of reproduction
- B. Asexual method of reproduction
- C. Both (A) and (B)
- D. None of the above.

Answer: A



Watch Video Solution

21. which of the following is not a 3- carbon molecule ?

A. Lactic acid

B. Pyruvate

C. Both A and B

D. Ethanol .

Answer: B



22. Which of the following enzymes acts in acidic medium ?

A. Trypsin

B. Pepsin

C. Saliva

D. Amylase.

Answer: B



23. In plants the exchange of gases occur across the surface of :

A. Stem

B. Root

C. Leaves

D. All of these.

Answer: C



Watch Video Solution

24. Which of the following have thick walls?

A. Artery

B. Vein

C. Both A & B

D. Capillaries

Answer: A



Watch Video Solution

25. Which of the following have three chambered heart?

A. Amphibian

B. Fish

C. Mammal

D. Bird

Answer: A



Watch Video Solution

26. Break down of glucose into pyruvate take place.

A. Nucleus

B. Mitochondria

C. Chloroplast

D. Cytoplasm

Answer: C



Watch Video Solution

27. Which of the following regulate the exit of food from stomach into small intestine ?

A. Valve

B. Sphincter muscle

C. Villi

D. All of these.

Answer: B



Watch Video Solution

28. Breakdown of pyruvate by using oxygen take place in :

A. Nucleus

B. Mitochondria

C. Chloroplast

D. Cytoplasm

Answer: D



Watch Video Solution

29. Which of the following acts in acidic medium ?

A. Trypsin

B. Pepsin

C. Amylase

D. Lipase

Answer: A



Watch Video Solution

30. Which of the following causes cramps in our muscles during sudden activity ?

A. Ethanol

B. Lactic acid

C. Carbon dioxide

D. Water .

Answer: B



Watch Video Solution

31. Which of the following enzymes are present in pancreatic juice ?

A. Amylase

B. Sucrose

C. Pepsin

D. Trypsin

Answer: D



Watch Video Solution

32. Which of the following is group of only biodegradable substances ?

- A. Plastic , Leather , Wood
- B. Grass , Plastic , Banana Peel
- C. Wood , Grass , Banana Peel
- D. Leather , Glass , Banana Peel.

Answer: C



Watch Video Solution

33. Which of the following is a group of only non-biodegradable substances ?

A. Aluminium , Plastic , Leaves

B. Plastic , Grass , Wood

C. Aluminium Can , Plastic , Glass Bottle

D. Leaves , Grass, Plastic.

Answer: C



Watch Video Solution

34. The Organisms which make organic compounds from inorganic substances using energy of sun and in the presence of chlorophyll are called :

A. Decomposers

B. Producers

C. Herbivores

D. Carnivores

Answer: B



Watch Video Solution

35. The Organisms which make break down complex organic substances into simpler inorganic substances and mix them in soil :

A. Producers

B. Decomposers

C. Herbivores

D. Carnivores

Answer: B



Watch Video Solution

Very Short Answer Type Questions

1. What is transpiration ?



[Watch Video Solution](#)

2. Which tissue transport soluble products of photosynthesis in a plant ?



[Watch Video Solution](#)

3. Which tissue transports water and mineral in a plant ?



[Watch Video Solution](#)

4. Write the overall equation of photosynthesis .



[Watch Video Solution](#)

5. By which process roots absorb water ?





Watch Video Solution

6. Name the enzymes present in saliva.



Watch Video Solution

7. Which organ secretes bile ?



Watch Video Solution

8. Name the hormones secreted by pancreas.





[Watch Video Solution](#)

9. Name the chemical energy released during respiration .



[Watch Video Solution](#)

10. Name the blood vessels which carry blood from heart to different parts of a body.



[Watch Video Solution](#)

11. Name the blood vessels which carry blood from body part of heart.



Watch Video Solution

12. Which chamber of heart pump blood ?



Watch Video Solution

13. Name the functional and structural unit of kidney.



Watch Video Solution

14. Name the procedure used in the working of an artificial kidney



Watch Video Solution

15. What is the range of normal systolic and diastolic blood pressure ?



Watch Video Solution

16. Which organism causes Kala-azar ?



Watch Video Solution

17. By which part of plant translocation of food takes place ?



Watch Video Solution

18. Where is the food translocated ?



Watch Video Solution

19. What part of plant transport water ?



[Watch Video Solution](#)

20. What is the autotrophic nutrition ?



[Watch Video Solution](#)

21. What is heterotrophic nutrition ?



[Watch Video Solution](#)

Short Answer Type Question

1. Why is diffusion insufficient to meet the oxygen requirements of multicellular organisms like humans?



[Watch Video Solution](#)

2. What criteria do we use to decide whether something is alive?



Watch Video Solution

3. What are outside raw materials used for by an organism?



Watch Video Solution

4. What processes would you consider essential for maintaining life?



Watch Video Solution

5. What are the differences between autotrophic nutrition and heterotrophic nutrition?



Watch Video Solution

6. Where do plants get each of the raw materials required for photosynthesis?



Watch Video Solution

7. Draw diagram of stomata through which exchange of gases take place.



[Watch Video Solution](#)

8. What is the role of the acid in our stomach?



[Watch Video Solution](#)

9. What is the function of digestive enzymes?



[Watch Video Solution](#)

10. How is the small intestine designed to absorb digested food?



Watch Video Solution

11. What are the different ways in which glucose is oxidised to provide energy in various organisms?



Watch Video Solution

12. How is oxygen and carbon dioxide transported in human beings?



Watch Video Solution

13. Explain the process of double circulation with the help of schematic representation of oxygen and carbon dioxide transport in human being .



View Text Solution

14. How are the lungs designed in human beings to maximise the area for exchange of gases?



Watch Video Solution

15. What are the components of the transport system in human beings? What are the functions of these components?



Watch Video Solution

16. How are water and mineral transported in plants?



Watch Video Solution

17. Explain the movement of water and minerals in plants.



Watch Video Solution

18. How is food transported in plants?



[Watch Video Solution](#)

19. What is the process of translocation of food in plants.



[Watch Video Solution](#)

20. Write various events occurring during the process of photosynthesis.



[Watch Video Solution](#)

21. Explain nutrition in Amoeba.



Watch Video Solution

22. Point out two differences between an artery and a vein .



Watch Video Solution

23. Write a note on lymphatic system in human beings .





[Watch Video Solution](#)

24. Write functions of lymph.



[Watch Video Solution](#)

25. What is difference between blood and lymph?



[Watch Video Solution](#)

Long Answer Type Questions

1. Describe the structure and functioning of nephron.



Watch Video Solution

2. What are the methods used by plants to get rid of excretory products ?



Watch Video Solution

3. How are fats digested in our bodies ? Where does the process take place?



[Watch Video Solution](#)

4. What is meant by photosynthesis ?



[Watch Video Solution](#)

5. What is the role of saliva in the digestion of food ?



[Watch Video Solution](#)

6. What are the differences between aerobic respiration and anaerobic respiration ? Name some respiration and anaerobic respiration ? Name some organisms that use anaerobic mode of respiration .



[Watch Video Solution](#)

7. How does stomatal pore open and close ?





[Watch Video Solution](#)

8. What advantage over an aquatic organism does a terrestrial organism have with regard to obtaining oxygen for respiration?



[Watch Video Solution](#)

9. Describe various strategies by which the food is taken in and used by the organism



[Watch Video Solution](#)

10. What are capillaries ? Write their function



Watch Video Solution

11. What is blood pressure ? What are normal
value of systolic and distolic blood pressure ?
How is it measured ? Name the instrument
used to measure blood pressure.



Watch Video Solution

12. Describe excretion in plants.



Watch Video Solution

13. Describe human alimentary canal . Draw a labelled diagram of human alimentary canal.



Watch Video Solution

14. Describe the digestion of food in stomach.



Watch Video Solution

15. Briefly describe the working mechanism of the human heart.



Watch Video Solution

16. Describe the structure of human urinary system with diagram .



Watch Video Solution

17. Describe the structure of human heart.



[Watch Video Solution](#)

18. What do you understand by artificial kidney ? Name the principle on which it works.



[Watch Video Solution](#)

19. Describe various strategies of heterotrophic nutrition.



[Watch Video Solution](#)

20. Draw a well labelled diagram of excretory system and explain the process of urine formation in human being.



[Watch Video Solution](#)