

DELHI PUBLIC SCHOOL, DURGAPUR
QUESTION BANK & REVISION SHEET FOR FINAL EXAMINATION (2017-18)
CLASS-VII

SUBJECT: BIOLOGY

TOPIC : TRANSPORT

- Q1. Name the tissues which transport water and food in plants.
- Q2. Define the following terms.
(a) Semipermeable membrane (b) Sap (c) Transpiration (d) Root pressure (e) Translocation
(f) Transpiration pull (g) Ascent of sap
- Q3. What is the difference between Osmosis & diffusion?
- Q4. Transpiration and ascent of sap are interdependent processes. Explain.
- Q5. What is the role of root hair in absorption of water in plants?
- Q6. Name the forces which cause the transport of water upwards in plant body.
- Q7. In a potted croton plant a ring is removed from a portion of the stem. After a few days swelling above the ring occurs. Why? What happens to the part below the ring?
- Q8. What will happen to a plant if its xylem is removed?
- Q9. What are stomata? Give two functions of stomata.
- Q10. Differentiate between the following.
(a) artery, vein and capillary (b) RBC, WBC and platelets
- Q11. What is the function of haemoglobin?
- Q12. WBCs help in immunity. Justify.
- Q13. What is the difference between plasma and serum?
- Q14. Name the following.
(i) the largest artery (ii) the largest vein
(iii) the artery carrying deoxygenated blood (iv) the vein carrying oxygenated blood
- Q15. Define Double circulation. What are its components? What is its significance? Draw diagram.
- Q16. Name the muscles of heart and their nature of functioning.
- Q17. What is the difference between pulmonary artery and pulmonary vein?
- Q18. Why is heart divided into two halves by a thick wall? Draw diagram.
- Q19. Which side of the heart receives blood from all over the body? What happens after that?
- Q20. Define the following terms.
(a) Pacemaker (b) Pulse (c) Systole (d) Diastole (e) Blood pressure (BP)
- Q21. Name the instruments used to measure blood pressure and heart beat.
- Q22. Write the full form of ECG. What is it used for?

TOPIC : ADAPTATION

- Q1. How have the animals living in Polar Regions adapted to the extremely cold climate?
- Q2. What are tusks? How does an elephant make use of tusks for its survival?
- Q3. How is monkey adapted to live on trees?
- Q4. Where are tropical rainforests found in India?
Ans. In India, tropical rainforests are found in Western Ghats and Assam.
- Q5. Define prehensile tail.
- Q6. Name an arboreal lizard. How the eyes are adapted?
- Q7. The tropical rainforests has a large population of animals. Explain why is it so?
- Q8. How do elephant living in the tropical rainforests adapt itself?
- Q9. What is disruptive colouration and how does it help? Give examples.

TOPIC : EXCRETION

- Q1. Name the nitrogenous wastes excreted in urine.
- Q2. Draw a well labeled diagram of human excretory system.
- Q3. How are nitrogenous wastes produced in our body? Why is it essential to remove them?
- Q4. Name the substances which are excreted from the body.
- Q5. What is the percentage composition of urine? How much of urine is produced by an adult human in a day?
- Q6. Name the (i) outer darker region of kidney (ii) inner lighter region of kidney. Name the functional units of kidneys.
- Q7. Draw a diagram of a section through the kidney to show the different regions.
- Q8. What are the three distinct processes involved in urine formation?
- Q9. Name the substances which are reabsorbed in the renal tubule.
- Q10. What is urea?
- Q11. Define osmoregulation.
- Q12. Name the accessory excretory organs in human beings. What do they excrete?
- Q13. Define dialysis.
- Q14. Name the machine used to filter the blood of a person having kidney failure.
- Q15. Why do we urinate fewer times during summer than in winter?
- Q16. What is the primary function of skin?

TOPIC: FORESTS

- Q1. Define forest.
- Q2. Name the products obtained from the wood of forest.
- Q3. Name the trees used to make paper.
- Q4. Name some important medicinal plants and their medicinal values.
- Q5. Write about few useful plant products.
- Q6. Why are forests known as green lungs?
- Q7. What is soil erosion?
- Q8. Forests prevent soil erosion. Explain.
- Q9. Forests prevent occurrence of floods. Explain
- Q10. Forests help in maintaining Water Cycle in Nature. Explain.
- Q11. Define ecosystem.
- Q12. What are the differences between food chain and food web?
- Q13. Explain the interdependence of plants and animals in forests.
- Q14. Why there is no waste in the forest?
- Q15. Define deforestation.
- Q16. What are the causes and consequences of deforestation?
- Q17. What are methods to conserve forests?

SYLLABUS FOR FINAL EXAMINATION

- UNIT - Transport
- UNIT - Excretion
- UNIT - Adaptations
- UNIT- Forests
- UNIT - Nutrition

