

REVISION QUESTION BANK 3

Subject: Science

Grade: VII

1. Multiple Choice Questions.

- (a) Which of the following crops grow well in clayey soil?

(i) Rice (ii) Gram
(iii) Lentils (iv) Cotton

(b) In plants, water is transported through:

(i) root hair (ii) phloem
(iii) xylem (iv) stomata

(c) _____ is the male part of a flower.

(i) Sepal (ii) Stamen
(iii) Pistil (iv) Stigma

(d) The _____ converts ammonia to urea which is excreted.

(i) liver (ii) sweat gland
(iii) lungs (iv) kidney

For question numbers 2 and 3, two statements are given – one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below.

- (a) Both A and R are true and R is the correct explanation of the assertion.
 - (b) Both A and R are true but R is not the correct explanation of the assertion.
 - (c) A is true but R is false.
 - (d) A is false but R is true.

2. Assertion: Hard water is not suitable for washing clothes and utensils.

Reason: The dissolved salts in hard water react with soap to form a sticky film.

REVISION QUESTION BANK 3

- 3. Assertion:** Sandy soil is useful for growing crops.

Reason: Sandy soil can hold air in its spaces.

- 4. Answer the question numbers 4 (a) to 4 (d) on the basis of your understanding of the following paragraph and the related studied concepts.**

The kidneys are responsible for filtering waste products from the blood. The blood of a person having issues with kidney functioning can be cleaned regularly by using a dialysis machine. Dialysis is the purification of blood and removal of wastes carried out by a machine which acts as an artificial kidney. Dialysis is used as a temporary measure in either acute kidney injury or in those awaiting kidney transplants and as a permanent measure in those for whom a transplant is not indicated or not possible.

- (a) Write any two conditions in which dialysis is recommended for patients.
- (b) Which two conditions can lead to kidney dysfunction?
- (c) What is dialysis?
- (d) What is the function of kidneys in the human body?

- 5. Which part of the seed is protected by the seed coat?**

- 6. What is soil erosion?**

- 7. (a) Explain the term 'water table'.**
(b) State any one factor that will make:
 - (i) the water table rise
 - (ii) the water table fall

- 8. (a) On which factors do the changes in the proportion of air and water in the soil depend?**
(b) Compare clay and slit with respect to their diameter of particles and properties.

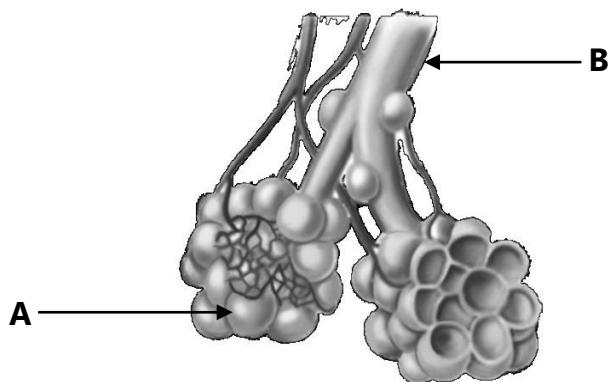
REVISION QUESTION BANK 3

9. Create a flow chart showing the sequence of events that occur when blood enters the heart from the body and blood from the heart is pumped throughout the body.

10. Write any two examples of each of the following:

 - plants that disperse their seeds by wind
 - plants that undergo vegetative reproduction through stems
 - plants that are pollinated by insects

11. (a) Observe the given diagram and identify A and B.



- (b) What is external respiration? Name the pigment present in the RBC.

(c) Define cellular respiration. Write the word equation of the cellular respiration process.

12. (a) The distance between two stations is 200 km. A train takes 4 hours to cover this distance. Calculate the speed of the train.

(b) Draw a simple pendulum and explain the term 'oscillation of a pendulum'.