

CBSE MIXED TEST PAPER-18

SECOND UNIT TEST

CLASS - IX SCIENCE

[Time: 1½ hrs.]

[M. M.: 40]

- Q1. Answer the following questions in short:- [6]
- Name the physical quantity which is the product of mass and velocity. What is its S.I. unit?
 - What force is required for an object of 8kg to produce an acceleration of 4m/sec^2 ?
 - Define unbalanced force
 - Name fluid connective tissue
 - What made of nutrition is shown by mushroom?
 - Give two examples of heterogeneous mixtures.
- Q2. Why is it difficult for fireman to hold a hose pipe which ejects out water with large velocity [2]
- Q3. How can physical changes differ from chemical changes? Mention four points. [2]
- OR** Water is a compound but sea water is a mixture. Give four reasons to support your answer.
- Q4. What kind of muscles is present in arteries and heart? Mention two differences between their structures. [2]
- Q5. Name the technique used to separate the components of mixture containing salt, camphor and sand. [3]
- Q6. State three differences between true solution, colloidal and suspensions. [3]
- Q7. Draw neat and labelled diagram to explain the separation of two miscible liquids. [3]
- Q8. State Newton's three laws of motion. Give one example of each to support your answer. [3]
- Q9. On what basis are organisms classified into five kingdoms? Name the scientist who introduced this classification?
- OR** What is binomial classification? Who introduced it? Write the conventions to be followed while writing scientific names? [3]
- Q10. A car of mass 1000kg is moving with velocity 45km/h. It collides with a tree and comes to rest in 5 seconds. What is the force exerted by car on the tree? [3]
- Q11. Identify the phylum and give one example of each:- [3]
- Spiny skin with water tubular system
 - Body with two layers and gastrovascular cavity.
 - Segmented worms with chitinous setae
- Q12. a. How are mammals different from aves?
b. Draw neat diagram of any organism belonging to protista? [4]
- Q13. What do you understand by conservation of momentum? Derive an expression for it. [3]