CBSE MIXED TEST PAPER-18

CLASS - 9 SCIENCE

SECOND UNIT TEST

General Instruction:

•This Test paper contains 13 questions.

•All questions are compulsory.

Q1. Answer the following questions in short:- [6]

a. Name the physical quantity which is the product of mass and velocity. What is its S.I. unit?
b. What force is required for an object of 8kg opt produce an acceleration of 4m/sec^2?
c. Define unbalanced force
d. Name fluid connective tissue
e. What made of nutrition is shown by mushroom?
f. 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 out separate the components of mixture containing salt, camphor and sand. [3]

Q6. State three difference 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 of support your answer. [3]

Q9. On what basis are organisms classified in to five kingdoms? Name the scientist who introduced this classification?

OR

What is binominal classification? Who introduced it? Write the conventions to be followed while writing scientific nine? [3]

Q10. A car of mass 1000 kg is moving with velocity 45 km/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]

a. Spiny skin with water tubular system
b. Body with two layers and gastrovascular cavity.
c. Segmented worms with chitinous setal

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]