Seven Star International School Bani

Unit test
Time: 45 min

Class:9th

Subject: science
M.M: 30

Q1-Choose the correct statement:

a) Cell wall controls entry and exit of substances

b) Plasma membrane provides shape only.

c) Cell wall provides rigidity and protection

d) Plasma membrane is present only in plant cells

Q 2-In an onion peel experiment, plasmolysis occurs due to:

a) Entry of water. b) Loss of water. c) Gain of solute. d) Cell division

Q.3- If a cell lacks a cell wall, it is more likely to:

a) Resist pressure. b) Burst in hypotonic solution. c) Remain unchanged d) Become rigid

Q. 4-Which statement best explains "Omnis cellula -e- cellula"?

a) Cells can arise spontaneously

b) Cells are formed only in plants

c) New cells are produced from existing cells

d) Cells are independent structures

Q.5- Which situation best represents osmosis?

a) Movement of oxygen in lungs

b) Pumping of ions using energy

c) Movement of water across semi-permeable membrane.

d) Movement of blood

Q.6- If a cell is placed in a solution where solute concentration outside equals inside, then:

a) Only inward movement occurs. b) Only outward movement occurs