

Q.IV.2.B.Fill in the blanks (any 3)

[3M]

1. Lipopolysaccharide is found in the cell wall of _____
(Gram negative bacteria, Gram positive bacteria, Both types of bacteria)
2. Secondary cell wall of plants is located _____
(in the primary wall, outside the primary wall, inside the plasma membrane)
3. The act of a white blood cell engulfing a bacterium is _____
(endocytosis, exocytosis, and diffusion).
4. To enter or leave a cell, substances must pass through the _____
(the Golgi apparatus, ribosome, the plasma membrane)
5. _____ is a case when external fluid is engulfed.
(pinocytosis, exocytosis, phagocytosis)
6. In the case of _____ transport, the proteins have to move against the concentration gradient.
(active, passive, osmosis)

Q.IV.3.A. Explain the following (any 1)

[2M]

1. amyloplast.
2. Heterophagosome.

Q.IV 3.B. Fill up the blanks [any 3]

[3M]

1. Mitochondria contains _____ ribosome.
(50S/70S/80S)
2. During dark phase CO_2 fixation done by _____. (Rubisco/ribulose/glucokinase)
3. Storage granules are _____.
(primary lysosome/secondary lysosome/ribosome).
4. ER. forms _____ of a cell.
(structure/membrane/skeletal framework)
5. Group of golgi cisternae is called _____. (dictyosome/glyoxysome/peroxisome).
6. Plastid is a _____ organelle.
(semiautonomous/autonomous/secondary)