Quiz – EXPO

Part A: True/False Questions

1. Exocyst-Positive Organelle was discovered in plant cell.
2. EXPO is a triangular organelle.
3. EXPO is double membrane bound.
4. Exocyst is involved in protein secretion of yeast and animal cells.
5. EXPO fuses with lytic compartment and endosomes.
6. EXPO is NOT induced by starvation.
7. It is possible that EXPO is involved in plant's defense mechanism.
8. Plants can kill pathogens by committing partial suicide.
9. EXPO is similar to autophagosome in terms of the type of organelles to fuss with.
10. After the fusion of the EXPO with the plasma membrane, this will lead to the expulsion of the double membrane bound structure.

Part B: Multiple Choice Questions

1. When was Exocyst-Positive Organelle discovered?
   A. 2002
   B. 2005
   C. 2010
   D. 2014

2. Which of the following organelles does NOT have double membrane?
   A. EXPO
   B. Chloroplast
   C. Mitochondria
   D. Vacuole

3. Which of the following organelles does EXPO fuse with?
   A. Cell membrane
   B. Lytic compartment
   C. Endosome
   D. All of the above

4. Which of the following organisms are possible pathogens which may attack plants?
   A. Virus
   B. Bacteria
   C. Fungi
   D. All of the above

5. EXPO mediates cytosol to which organelle for exocytosis in plant cell?
   A. Cell wall
   B. Cell membrane
   C. Nucleus
   D. Golgi apparatus

6. In which types of cells can EXPO be found?
   A. Arabidopsis
   B. Tobacco
   C. A and B
   D. None of the above

7. Where can pathogens be found?
   A. Air
   B. Soil
   C. Water
   D. All of the above

8. How can plant protect itself from pathogens?
   A. Kill itself
   B. Release antimicrobial agents to kill the pathogens
   C. Develop tolerance towards the pathogens
   D. None of the above

9. Which type of complex is EXPO involved in protein secretion of yeast and animal cells?
   A. Fat
   B. Protein
   C. Carbohydrate
   D. All of the above

10. Electron microscopic study shows that EXPO is a double membrane sphere resembling which organelle?
    A. Autophagosome
    B. Cell wall
    C. Endosome
    D. Rough endoplasmic reticulum