

- 1) The nuclear envelope
 - a) consists of a single membrane
 - b) is found in both eukaryotic and prokaryotic cells
 - c) contains pores
 - d) a & c only

- 2) You are looking at an electron micrograph of a newly-discovered cell. You notice that it contains a nuclear envelope, mitochondria, chloroplasts and a cell wall. This cell ?
 - a) is eukaryotic,
 - b) is a plant or algae,
 - c) carries out photosynthesis,
 - d) all of the above are true

- 3) Which of the following statements about cell's nucleus is TRUE ?
 - a) the nucleus of a plant cell is the smallest organelle present in that cell
 - b) is the site of synthesis of ribosomal RNA
 - c) the nucleus is found within the nucleolus
 - d) the nucleoplasm contain cristae membranes
 - e) choose this answer if none of the above are true

- 4) Ribosomes are found in ?
 - a) cytoplasm
 - b) mitochondria
 - c) nucleus
 - d) chloroplast
 - e) all of the above contain ribosomes or parts of ribosome

- 5) The cristae are found in the ?
 - a) nucleolus
 - b) chloroplast
 - c) mitochondria
 - d) nucleoplasm
 - e) none of these

- 6) The nuclear membrane
 - a) consists of a double membrane
 - b) is found in both eukaryotic and prokaryotic cells
 - c) does not contains pores
 - d) none of the above is true

- 7) You are looking at an electron micrograph of a newly-discovered cell. You notice that it contains a lysosomes. This cell ?
 - a) is prokaryotic
 - b) is a higher plant cell
 - c) contains no nucleus
 - d) none of these

- 8) Which of the following statements about cell organelles is TRUE ?
 - a) the nucleus of a plant cell is the largest organelle present in that cell
 - b) lysosomes digest other cell organelles
 - c) ribosomes occur in bacteria
 - d) mitochondria can be seen with an electron microscope
 - e) choose this answer if all of the above are true

- 9) Ribosomes ?
 - a) are composed of DNA and protein
 - b) are made up of three subunits
 - c) are the cell sites of protein synthesis
 - d) a & c only

- 10) Rough endoplasmic reticulum ?
 - a) is where lipids for export are synthesized
 - b) is the main cellular site where detoxification enzymes are found

c) contains ribosomes attached to the cytoplasmic surface of the membrane

d) choose this answer if all of the above are true

11) An extrinsic protein is one that is easily removed from the internal structure of a membrane with destroying the membranes integrity. a) true b) false

12) The protein filament that is a hollow core tube with a diameter of about 25nm and made of 2 globular protein subunits is?

a) microfilament b) actin c) microtubule d) basal body e) none of these