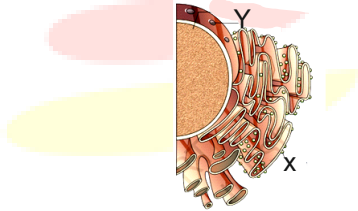


CELL: THE UNIT OF LIFE

31. Select the incorrect match w.r.t Endoplasmic reticulum
- (1) They are network or reticulum of tiny tubular structures scattered in the cytoplasm
 - (2) The ER often shows ribosomes attached to their inner surface called RER
 - (3) The smooth endoplasmic reticulum is the major site for synthesis of lipid
 - (4) RER is frequently observed in the cells actively involved in protein synthesis
32. Which cell organelle helps in synthesis of glycoproteins and glycoproteins?
- (1) ER
 - (2) Mitochondria
 - (3) Golgi complex
 - (4) Vacuole
33. Select the odd one out w.r.t to cell organelles in endomembrane system.
- (1) Mitochondria
 - (2) Lysosomes
 - (3) Golgi complex
 - (4) ER
34. Identify X and Y in the below given figure.



- (1) Ribosomes, Nucleus
- (2) RER, Ribosomes
- (3) Ribosomes, Nuclear pores
- (4) Nucleus, SER

35. Select the incorrect statement w.r.t to functions of endomembrane system
- (1) Protein synthesis
 - (2) Packaging of materials
 - (3) Lipid synthesis
 - (4) Phosphorylation
36. Vesicular structures formed by packaging of Golgi complex also undergo
- (1) Breakdown of nucleic acids
 - (2) Undergo protein synthesis
 - (3) Lipid synthesis
 - (4) Undergo secretion
37. Intracellular space enclosed by ER is called
- (1) Luminal compartment
 - (2) Extra luminal compartment
 - (3) Stroma
 - (4) Matrix
38. Hydrolytic enzymes are functional in
- (1) Acidic pH
 - (2) Neutral pH
 - (3) Basic pH
 - (4) All the above
39. Function of contractile vacuole -
- (1) Engulfing materials
 - (2) Osmoregulation
 - (3) Floating
 - (4) Both (1) and (2)
40. Identify correct set of statements :
- (a) Golgi complex consists of many flat, disc-shaped sacs or cisternae of 0.5 μm to 1.0 μm diameter
 - (b) Number of proteins synthesised by ribosomes are modified in the cisternae of the Golgi apparatus.
 - (c) Lysosomes are formed by packaging of ER
 - (d) Hydrolytic enzymes include lipases, proteases, carbohydrases
- (1) a, b, c only
 - (2) a, d only
 - (3) b, c only
 - (4) a, b, c, d