

.....
Answer the following questions:

Choose the right answer:

(48) Mark

- 1- When the biophysical system exposed to stimulus produced:
a) **Response** specification b) change in system c) change in
- 2- Living cells can extract endproducts through:
a) Inside fluid b) **outside fluid** c) change new product
- 3- In cell membrane the protein percentage is:
a) Equals lipid b) smaller than lipid c) **higher than lipid**
- 4- The internal fluid in body is:
a) Intracellular fluid b) **extracellular fluid** c) both them
- 5- The diffusion constant depend on :
a) **Temperature** b) **solute and solvent** c) pressure
- 6- Air tube has cross-section area $4 \times 10^{-4} \text{ m}^2$ separate through it, amount of ammonia $8.4 \times 10^{-8} \text{ Kg}$ diffused by speed $7 \times 10^{-3} \text{ m/s}$ and constant diffusion $4.2 \times 10^{-5} \text{ m}^2/\text{s}$. concentration difference is:
a) **3.5×10^{-2}** b) 3.5×10^{-5} c) 2.5×10^{-2}
- 7- Metal electrodes immersed in positive ions solution are called:
a) Polarized electrodes b) **nonpolarized electrodes** c) metal electrode
- 8- Ion concentration difference between in and out cell maintain that:
a) Cell contents b) **Life cell** c) cell fluid
- 9- Indirect active diffusion obtained energy from:
a) ATP b) **ions and molecules** c) both them
- 10- Diffusion through bilayer lipid and carrier protein called:
a) **Passive diffusion** b) active diffusion c) simple diffusion
- 11- Water balance between in and out cell depend on:
a) Na^{+} - K^{+} pump b) osmoses process c) **both them**
- 12- Sodium pass through channel is called:
a) Mechanical channel b) **voltage channel** c) both them
- 13- In resting state, the resistance membrane is higher for :
a) **Sodium** b) potassium c) chloride
- 14- The contact region between end terminal axon and muscle fiber is called:
a) Neuromuscular region b) my neural region c) **both them**
- 15- Contraction of heart atria's are caused by:
a) **SAN** b) VAN c) blood pressure
- 16- Electric pulse speed through the myelin axon membrane is:
a) **Higher** b) lower c) equal as unmyeli
- 17- End plat potential occur at:
a) **Less than 50 mv** b) big than 50mv c) equal 50mv
- 18- EEG recording used in:
a) Treatment b) **digenesis** c) both them

