**Sylhet Nursing College Sylhet**

Mid Term Examination, Roll no………..

1st year B.Sc in Nursing

Subject: **Physiology,** MCQ,

Full marks -20 Time – 20 min Date-

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| Q.1. Cell membrane contains:-  …….a) amino acids  …….b) triacylglycerol  …….c) phospholipids  …….d)cholesterol  …….e) protein  Q.2. Active transport requires  …….a) carrier proteins  …….b) energy  …….c) membrane must be present  …….d)transport occurs against concentration gradient  …….e) transport occurs towards concentration gradient  Q.3. Life saving hormone is  …….a) thyroid hormone  …….b) aldosteron  …….c) growth hormone  …….d)parathyroid hormone  …….e) prolactin  Q.4. Critinism occurs mainly  …….a) in adult  …….b) in children  …….c) in obese people  …….d)due to deficiency of thyroid hormone  …….e) due to deficiency of cortisol  Q.5. insulin are  …….a) secreted from β cells of pancrease  …….b) secreted from alpha cells of pancrease  …….c) it increase blood glucose level  …….d) it decrease blood glucose level  …….e) its deficiency causes diabetes mellitus  Q.6. anterior pituitary glands secrets -  …….a) ADH.  …….b) growth hormone  …….c) FSH  …….d ) prolactin.  …….e) oxytocin.  Q. 7. Thyroid hormones are-  …….a) thyroxin  …….b) tr iodothyronine  …….c) insulin  …….d) growth hormone  …….e) testosterone  Q.8. pace maker of the heart is-  …….a) SA node  …….b) AV node  …….c) ventricles  …….d) atrium  …….e) pericardium.  Q.9. hormones acts on kidney-  …….a) ADH  …….b).aldosterone  …….c) parathyroid hormone  …….d) calcitonin  …….e) renin  Q. 10. Membranous organelles of cell include-  …….a) Mitochondria  …….b) Ribosome  …….c) Secretory granules  …….d) Golgi complex  …….e) Lysosome | Q. 11. Lack of insulin is causes-  …….a) hyperglycemia  …….b) ketoacidosis  …….c) diabetes mellitus  …….d)glycosuria  …….e) cretinisim  Q. 12. The hormones secreted from adrenal gland are -  …….a) epinephrine.  …….b) cortisol.  …….c) androgens  …….d) calcitonin  …….e) adrenocorticotropin.  Q.13. Oxytocin secretion promotes  …….a) myometrial contraction  …….b) myoepithetical cell contraction  …….c) milk ejection.  …….d) lacto genesis  …….e) galactopoiesis.  Q.14. Endocrine function of placenta is to secrete  …….a) oxytocin  …….b) estrogen  …….c) progesterone  …….d) prolactin  …….e) human chorionic gonadotropin (HCG)  Q.15. SA node  …….a) discharges most rapidly.  …….b) controls the beat of the heart  …….c) is the normal pace marker of heart.  …….d) is innervated by vagus  …….e) has contractile element  Q.16. during example of pulse following are noticed:-  …….a) rate  …….b) rhythm  …….c) character  …….d) volume  …….e) condition of vessel wall  Q.17. Functions of nose include  …….a) warming the air  …….b) humidifying the air  …….c) partially filtering the air.  …….d) helping in olfaction.  …….e) conduction of air.  Q. 18. Respiration is stimulated by  …….a) excess carbondioxide in the blood  …….b) excess hydrogen ions in the blood  …….c) decreased CO2 in the blood  …….d) decreased pH of the blood  …….e) decreased concentration of O2 in the blood  Q.19. Transport of gases through respiratory membrane is  …….a) facilitated diffusion  …….b) simple diffusion  …….c) osmosis  …….d) active transport.  …….e) filtration  Q.20. Respiratory zone of the airways consists:-  …….a) respiratory bconchioles  …….b) terminal bconchioles  …….c) bconchi,  …….d)alveolar duct  …….e) alveoli |

1. Define cell. Function of cell. Draw & level typical cell
2. Draw and labal the structure of mitochondria.
3. Write down the function of mitochondria
4. Define physiology.Name the branches of physiology
5. Name membranous and nonmembranous organelles.
6. Why ECFis called internal environment of the body.
7. Give the structure of cell membrane.
8. Classify membrane transport processes. Define diffusion and osmosis

What is sodium potassium pump ?

9. Give the difference between active transport & passive transport.

Give the difference between osmosis & diffusion

10. Give the physiological value of sodium ,potassium,chloride,bicarbonate

1. Classify organelles of cell. Mention the function of mitochondria and ribosome.

11.