



قائمة الاسئلة

علم وظائف الأعضاء-تمريض عالي - درجة هذا الاختبار (70)

اسم مدرس المادة

- 1) What happens during endocytosis?
 - 1) - Water molecules passively diffuse
 - 2) - Cells expel waste products
 - 3) Cells engulf particles into a vesicle
 - 4) - Substances move from high to low concentration
- 2) What does the term "lipid solubility" influence?
 - 1) - Rate of osmosis
 - 2) - Energy needed for active transport
 - 3) Diffusion rate through the cell membrane
 - 4) - Cell's ability to endocytose particles
- 3) What factor increases the rate of diffusion?
 - 1) Smaller particle size
 - 2) - Lower concentration gradient
 - 3) - Higher fluid viscosity
 - 4) - Decreased temperature
- 4) What is the function of the rough endoplasmic reticulum in a cell?
 - 1) - Site of ribosomal RNA synthesis
 - 2) - Provides most of the body's adenosine triphosphate
 - 3) Produces certain proteins
 - 4) - Contains digestive enzymes
- 5) Example of hinge joints?
 - 1) - Humerus and tibia
 - 2) Elbow and knee
 - 3) - Radius and femur
 - 4) - Humerus and elbow
- 6) Which cells are responsible for producing antibodies?
 - 1) - T lymphocytes
 - 2) B lymphocytes
 - 3) - Neutrophils
 - 4) - Eosinophils
- 7) Which granulocyte assists in allergic reactions?
 - 1) Eosinophils
 - 2) - Neutrophils
 - 3) - Basophils
 - 4) - Monocytes
- 8) Natural killer cells specialize in which task?
 - 1) - Phagocytizing debris
 - 2) Providing immune surveillance
 - 3) - Producing histamine
 - 4) - Neutralizing allergic responses
- 9) In which situation might an Rh-negative individual produce anti-Rh antibodies?
 - 1) - When they receive Rh-negative blood
 - 2) When they carry an Rh-positive fetus
 - 3) - When they lack all types of antigens
 - 4) - When exposed to type O blood





- 10) What happens if incompatible blood is transfused?
- 1) - It increases the recipient's immunity
 - 2) - It improves oxygen transport
 - 3) It causes agglutination of red blood cells
 - 4) - It leads to anemia
- 11) Which blood group can type AB receive blood from?
- 1) - Type AB only
 - 2) - Type O only
 - 3) - Types A and B only
 - 4) Types A, B, AB, or O
- 12) By function, a joint may be classified as
- 1) - Fibrous
 - 2) - Cartilage
 - 3) - Synovial
 - 4) None of these choices
- 13) The function of the large intestine is
- 1) - Absorbing water
 - 2) - Secreting mucus
 - 3) - Eliminating digestive wastes.
 - 4) All of these choices
- 14) Apocrine glands begin functioning at
- 1) Puberty
 - 2) - Infancy
 - 3) - Birth
 - 4) - All of these choices
- 15) What inhibits gastric secretion and motility?
- 1) - Secretin
 - 2) Gastric inhibitory peptides
 - 3) - Gastrin
 - 4) - Cholecystokinin
- 16) Which of the following is the most common cartilage?
- 1) Hyaline
 - 2) - Fibrous
 - 3) - Elastic
 - 4) - None of these choices
- 17) Sebaceous glands occur on all parts of the skin EXCEPT:
- 1) - Scalp and face
 - 2) - Upper torso and genitalia
 - 3) Palms and soles
 - 4) - None of these choices
- 18) Where do the cells of the immune system originate?
- 1) - Spleen
 - 2) - Thymus
 - 3) Bone marrow
 - 4) - Lymph nodes
- 19) Musculoskeletal system work with nervous system to produce
- 1) Voluntary movement
 - 2) - Involuntary movement
 - 3) - Support and involuntary movement





- 4) - Involuntary and voluntary movement
- 20) During contraction, the muscle
- 1) - Becomes longer
 - 2) Shortens
 - 3) - Relaxes
 - 4) - None of these choices
- 21) What are the bands of fibrous connective tissue that attach muscles to the periosteum?
- 1) - Ligaments
 - 2) Tendons
 - 3) - Bones
 - 4) - Muscles
- 22) What are the three major types of muscle in the human body?
- 1) Cardiac, Smooth and skeletal muscle
 - 2) - Fibrous, cartilaginous and synovial
 - 3) - Hyaline, fibrous and elastic
 - 4) - None of these choices
- 23) Parasympathetic system effects are the followings EXCEPT:
- 1) - It decreases blood glucose
 - 2) - It decreases the need of oxygen
 - 3) - It increases GIT motility
 - 4) It increases heart rate
- 24) Uterine relaxation is served by which of the following receptors?
- 1) - Nicotinic cholinergic receptors
 - 2) - Alpha-adrenergic receptors
 - 3) - Muscarine cholinergic receptors
 - 4) Beta-adrenergic receptors
- 25) Sympathetic system effects are the followings EXCEPT:
- 1) - It increases blood glucose
 - 2) It decreases sweating
 - 3) - It decreases GIT motility
 - 4) - It increases heart rate.
- 26) Which of the followings is NOT from the subdivisions of peripheral nervous system?
- 1) Central nervous system
 - 2) - Somatic nervous system
 - 3) - Sympathetic nervous system
 - 4) - Autonomic nervous system
- 27) Afferent neurons carry nerve impulses from
- 1) - CNS to muscles
 - 2) Receptors to CNS
 - 3) - Brain to glands
 - 4) - Spinal cord to muscle
- 28) What is the pancreas exocrine and endocrine functions?
- 1) - Secrete digestive enzymes
 - 2) - Secretes insulin
 - 3) - Secretes glucagon
 - 4) All of these choices
- 29) Which one of the following vitamins responsible for collagen production, wound healing, and iodine conservation?
- 1) - Vitamin A





- 2) - Vitamin K
3) - Vitamin D
4) Vitamin C
- 30) All the following enzymes require basic pH and best work in small intestine EXCEPT:
1) Pepsin
2) - Pancreatic amylase
3) - Trypsin
4) - Lipase
- 31) Which one of the following vitamins is very important for the learning ability?
1) Vit B1 (Thiamine)
2) - Vit B2 (Riboflavin)
3) - Vit B6 (Pyridoxin)
4) - None of these choices
- 32) It helps in immune mechanisms, cellular protection and ATP release from mitochondria.
1) Selenium
2) - Iodine
3) - Sodium
4) - Zinc
- 33) Which of the following is NOT an effect of epinephrine hormone?
1) - It increases rate and force of contraction of the heart
2) - It dilates the airway
3) It constricts vessels in skeletal muscle
4) - It increases blood glucose
- 34) It controls secretion of hormones from adrenal gland.
1) ACTH
2) - ADH
3) - FSH
4) - LH
- 35) Which of the followings acts like a camera lens, refracting and focusing light onto the retina?
1) - Iris
2) Lens
3) - Sclera
4) - Fovea
- 36) Which of the followings maintains placement of the retina and the spherical shape of the eyeball?
1) - Aqueous humour
2) Vitreous humour
3) - Pupil
4) - Lens
- 37) What are the vessels that allow the exchange of nutrients and oxygen to cells?
1) - Pulmonary veins
2) - Pulmonary arteries
3) - Superior and inferior venae cavae
4) Capillaries
- 38) The arteries that supply the heart with blood rich in oxygen and nutrients are
1) - Temporal artery
2) Coronary arteries
3) - Aortic artery
4) - Pulmonary arteries
- 39) The valves that separate the atria from the ventricles is





- 1) The atrioventricular valves
 - 2) The venous valves
 - 3) The aortic valve
 - 4) The semilunar valves
- 40) Antidiuretic hormone is produced by
- 1) Anterior lobe of the pituitary gland
 - 2) Posterior lobe of the pituitary gland
 - 3) Suprarenal glands
 - 4) None of these choices
- 41) Which of the followings is NOT a hormone of the adrenal cortex?
- 1) Thyroxine
 - 2) Aldosterone
 - 3) Cortisol
 - 4) Adrenal androgen
- 42) What secretes an alkaline fluid that helps neutralize semen's acidity and enhances sperm cell motility?
- 1) Thyroid gland
 - 2) Parathyroid gland
 - 3) Prostate gland
 - 4) All of these choices
- 43) Function of vagus (X) cranial nerve is
- 1) Parasympathetic function
 - 2) Sympathetic function
 - 3) Parasympathetic and sympathetic function
 - 4) None of these choices
- 44) Function of parasympathetic in need oxygen
- 1) Increases oxygen need
 - 2) Decreases oxygen need
 - 3) Increases and decreases oxygen need
 - 4) None of these choices
- 45) Organ secretes the enzyme renin into the blood is.
- 1) Liver
 - 2) Spleen
 - 3) Kidney
 - 4) Lungs
- 46) The retina is the innermost coat of the eyeball. It receives visual stimuli and sends them to the brain.
- 1) TRUE.
 - 2) FALSE.
- 47) Tendons connect muscles and bones
- 1) TRUE.
 - 2) FALSE.
- 48) Nephron is the functional unit of the kidney.
- 1) TRUE.
 - 2) FALSE.
- 49) The epidermis doesn't contain blood vessels.
- 1) TRUE.
 - 2) FALSE.
- 50) The right ventricle pumps blood to the lungs; the left ventricle, which is larger than the right, pumps blood through all other vessels of the body.
- 1) TRUE.





- 2) - FALSE.
- 51) Amphiarthrosis is free movable
- 1) - TRUE.
- 2) FALSE.
- 52) Myosin is the thick filaments and actin is the thin filaments.
- 1) TRUE.
- 2) - FALSE.
- 53) Vasoconstriction in gastrointestinal tract due to sympathetic stimulation is mediated by α 1 receptors.
- 1) TRUE.
- 2) - FALSE.
- 54) Oculomotor nerve is number III cranial nerve.
- 1) TRUE.
- 2) - FALSE.
- 55) The ovary secretes follicle-stimulating hormone (FSH) and luteinizing hormone (LH).
- 1) - TRUE.
- 2) FALSE.
- 56) The uterus encloses and protects other external reproductive organs in females.
- 1) - TRUE.
- 2) FALSE.
- 57) Epididymis and testis function is the production of sperm cells.
- 1) - TRUE.
- 2) FALSE.
- 58) Oviducts (fallopian tubes) are present in the lower abdomen cavity and produce ovum.
- 1) - TRUE.
- 2) FALSE.
- 59) Oxytocin hormone contracts muscles in the uterine wall; contracts muscles associated with milk-secreting glands.
- 1) TRUE.
- 2) - FALSE.
- 60) Sympathetic system arises from cervical and cranial regions.
- 1) - TRUE.
- 2) FALSE.
- 61) Adrenaline is a neurotransmitter in sympathetic nervous system postganglionic neuron.
- 1) TRUE.
- 2) - FALSE.
- 62) Sympathetic causes mydriasis while parasympathetic causes miosis.
- 1) TRUE.
- 2) - FALSE.
- 63) Amylase enzyme is produced in the mouth and pancreas.
- 1) TRUE.
- 2) - FALSE.
- 64) Surfactant is produced by type 1 alveolar cells.
- 1) - TRUE.
- 2) FALSE.
- 65) Zinc is a mineral salt which maintains prostate gland function.
- 1) TRUE.
- 2) - FALSE.
- 66) (TSH) controls secretion of hormones from thyroid gland.
- 1) TRUE.





- 2) - FALSE.
- 67) Calcitonin hormone lowers blood calcium and phosphate ion concentrations by increasing excretion of these ions by kidneys.
- 1) TRUE.
- 2) - FALSE.
- 68) Tricuspid and bicuspid valves prevent the backflow from ventricles to the atria.
- 1) TRUE.
- 2) - FALSE.
- 69) AV node is the pace maker of the conduction system which generates an impulse between 60 and 100 times per minute.
- 1) - TRUE.
- 2) FALSE.
- 70) Conjunctivae guard the eye from invasion by foreign matter.
- 1) TRUE.
- 2) - FALSE.

