

## MEDICAL UNIVERSITY - PLEVEN, BULGARIA

## $Sample\ Test-v.4$

	<ul> <li>Indicate the correct answers on the answer sheet with "X".</li> <li>For each question there is only one correct answer. Multiple answers will be scored as incorrect.</li> </ul>			
1.	The only major type of tissue specialized for movement is the tissue.  A. Nervous B. Epithelial C. Muscle D. Connective	7.	The oxygen transport from the lungs to all cells of the organism is a function of the:  A. Platelets B. Red blood cells C. White blood cells D. Leucocytes	
2.	The contraction of the myocardium of the heart atria and ventricles is called: A. Diastole B. Heart beat C. Systole D. Cardiac output	8.	Which muscle tissue is multinucleated and bears striations?  A. Skeletal muscle. B. Smooth muscle. C. Multiunit smooth muscle. D. Cardiac muscle.	
3.	Striated muscle is also called: A. Cardiac muscle B. Smooth muscle C. Skeletal muscle D. Involuntary muscle	9.	The heart has chambers. A. 2 B. 4 C. 6 D. 3	
4.	Which type of tissue builds glands? A. Connective B. Nervous C. Muscle D. Epithelial	10	A. Spine B. Femur C. Humerus D. Ulna	
5.	Ligaments and tendons are formed of: A. Epithelial tissue B. Muscle tissue C. Cartilage D. Connective tissue	11.	<ul> <li>Homeostasis in the human body is a condition of:</li> <li>A. Constant temperature</li> <li>B. Constant concentration of the salts dissolved in the blood</li> <li>C. Dynamic equilibrium</li> <li>D. Dynamic gas exchange</li> </ul>	
6.	What type of tissue is found in the iris, hair follicle, and anus?  A. Skeletal tissue B. Cardiac muscle tissue C. Smooth muscle tissue D. All of the above	12.	A. Contains white blood cells B. Does not contain fibrinogen C. Contains erythrocytes D. Does not contain water	

13. Which is the first digestive juice secreted in the	A. Anabolic
alimentary canal?	B. Autotrophic
A. Hydrochloric acid	C. Catabolic
B. Saliva	D. Aerobic
C. Pancreatic digestive juice	
D. Bile	21. DNA transcription results in:
	A. RNA molecule
14. The membrane on the surface of a lung is called	B. 2 DNA molecules that each contains a strand of
the:	the original one
A. Viscera	C. 1 new DNA molecule and 1 RNA molecule
B. Pleura	D. Polypeptide molecule
C. Pericardium	
D. Periosteum	22. A homozygous diploid organism has two
	of a gene.
15. Anterior and posterior lobes are found in:	A. identical alleles
A. Thyroid gland	B. maternal molecules
B. Parathyroid glands	C. identical codons
C. Pituitary gland	D. different alleles
D. Adrenal glands	
	23. When a dominant allele is present the offspring
16. This vessel carries de-oxygenated blood from the	will show characteristics.
heart to the lungs.	A. Recessive
A. Aorta	B. Dominant
B. Main Pulmonary Artery	C. Homozygous
C. Upper Vena Cava	D. Heterozygous
D. Portal vein	
	24. In, centromeres part and one set of
17. Fluid part of blood after removal of corpuscles is:	chromosomes is pulled to each end of the cell.
A. Plasma	A. Prophase
B. Lymph	B. Metaphase
C. Water	C. Anaphase
D. Vaccine	D. Telophase
18. A type of nucleated blood cells are the:	25. The endoplasmic reticulum is best described as a:
A. Red blood cells	A. Formless liquid
B. Hepatocytes	B. Cellular inclusion
C. Platelets	C. Network of interconnected membranes
D. Monocytes	D. Membranous sac
19. Physical and chemical changes or reactions that	26. Organelles calledprovide energy
occur within the body are collectively known as:	from the products of digestion.
A. Metabolism	A. Endoplasmic reticulum
B. Physiology	B. Mitochondria
C. Assimilation	C. Lysosomes
D. Excretion	D. Golgi complex
20. In towns of biochemistry, what type of presents	27. The fundamental units of life are:
20. In terms of biochemistry, what type of process is	
the breakdown of glucose to H <sub>2</sub> O and CO <sub>2</sub> ?	A. Genes

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B. Alleles	D. linkage
C. Chromosomes	č
D. Cells  28. Which substance breaks down the bonds between	35. If a father have type A blood and the mother has type AB, they would NOT have a child with which of the following blood types?
amino acids?	A. O
A. Amylase	B. A
B. Pepsin	C. B
C. Lipase	D. AB
D. All of the above	D. AD
D. All of the doore	36. Down's syndrome is caused by of the
29. Which of the following nitrogen bases is a	number chromosome.
component of ATP:	A. monosomy, 23
A. adenine	B. deletion, 21
B. cytosine	C. trisomy, 21
C. thymine	D. trisomy, 23
D. guanine	_ · · · · · · · · · · · · · · · · · · ·
	37. Color blindness, a sex linked trait, appears more
30. What substance is stored in the nucleus?	often in than in
A. DNA	A. males, females
B. ATP	B. females, males
C. Enzymes	C. dogs,cats
D. Protein	D. neither
31. When is DNA copied?	38. Which of the following human traits is not a
A. Metaphase	polygenic trait?
B. Interphase	A. skin color
C. Anaphase	B. eye color
D. First phase	C. height
	D. ABO blood type
32. Oxidative phosphorylation is a process in	
which:	39. The inheritance of human blood types is
A. Is synthesized organic compounds	controlled by alleles.
B. Energy is temporarily stored in an usable form	
C. Metabolites are transported	B. same
D. Alleles are assorted	C. one
33. The allele that masks the effects of the other is	D. multiple
and the masked allele is	40. In a monohybrid cross between a homozygous
A. Homozygous, heterozygous	dominant parent and a homozygous recessive
B. Homozygous, recessive	parent, the F1 offspring will all have
C. Dominant, recessive	genotypes, and the F1 phenotypes will resemble
D. Dominant, incomplete	the parent.
· · · · · · · · · · · · · · · · · · ·	A. heterozygous, dominant
34. Crossing over takes place during	B. heterozygous, recessive
A. meiosis	C. homozygous, dominant
B. mitosis	D. homozygous, recessive
C. segregation	<b>,</b>