The West Bengal University of Health Sciences B.Sc Nursing 1st Semester March Examination, 2023

Subject: Applied Anatomy & Applied Physiology

Applied Anatomy

Ti	me:	1½ Hours. Full Marks: 37		
	Attempt all questions			
1.	a) b)	List the anatomical structures of GI system. 2+2+2+2+2 Describe stomach under following headings		
	U)	i) Location. ii) Curvature. iii) Interior structure iv) Blood supply.		
	a)	List the organs of the urinary system. 2+2+2+2+2		
		Describe kidney in the following structure		
		i) Location ii) Parts of the kidney iii) Organs in association. iv) Blood supply		
2.	Wı	rite short notes of <i>any three</i> of the following:		
	a)	Structure of heart		
	b)	Synovial joint		
	c)	Adrenal gland		
	d)	Structure of diaphragm		
	e)	Structure of uterus		
3.	Ans	swer <i>any three</i> of the following: 3 x 2		
	a)	Lobes of liver		
	b)	Composition of urine		
	c)	Blood supply of heart		
	d)	Alveoli of the lungs		
		तमसा ना जनाताम्य		
4.		ircle the most suitable answer of the following questions: 6 x 1		
a) Which of the following tissue lines urinary bladder?				
		i) Pseudostratified columnar epithelium ii) Stratified columnar epithelium		
	1.	iii) Transitional epithelium iv) Squamous epithelium.		
	b)	During norml breathing, the amount of air that moves into lungs and comes out is called		
	\	i) IRV ii) Tidal Volume iii) ERV iv) Total lung capacity.		
	c)	Parietal cells of stomach secrete the following enzyme		
	.t.	i) Gastrin ii) Intrinsic factor iii) Pepsinogen iv) Amylase.		
	a)	The blood contains		
	- \	i) 90% water ii) 80% water iii) 95% water iv) 70% water		
	e)	Which of the organ is the major integrating link between the nervous and endocrine system?		
	\mathbf{r}	i) Hypothalamus ii) Pituitary gland iii) Adrenal gland .iv) Cerebellum		
	1)	Which of the following is the longest, heaviest and strongest bone in the body i) Tibia ii) Humerus iii) Femur iv) Scapula.		
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Applied Physiology

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Describe the mechanism of respiration. or	1 x 10
Describe the functions of thyroid hormone. Name the diseases of hypo and hypothyroid hormone.	er secretion of
Write short notes of <i>any three</i> of the following: a) Functions of liver.	3 x 5
b) Gas exchange in lungs.c) Enumerate the functions of Saliva.d) Cardiac cycle.	
Answer <i>any three</i> of the following: a) Composition and functions of cerebrospinal fluid b) Name any two hormones produced by ovary. c) Name the branches of coronary artery. d) Name the two important waste products excreted by the Kidneys	3 x 2
Encircle the most suitable answer of the following questions: a) Name the site where digestion of proteins occurs. i) Pancreas ii) Rectum iii) Liver iv) Ileum b) Functional units of food absorption is: i) Red blood cells ii) Small intestine iii) Villi iv) Aggregated lympe c) The maximum amount of carbon dioxide in the human body is transported as: i) Bicarbonate ii) Carbide iii) Amylase iv) None d) During severe exercise, oxygen consumption is greatest in: i) Brain ii) Heart iii) Skeletal muscle. iv) Liver. e) The primary function of the cerebrospinal fluid is to: i) Protect the brain ii) Provide nutrients to the surroundin ii) Remove waste products iv)All of the above f) Hypopnea is a condition where: i) The airway becomes partially obstructed ii) The blood does not clot properly iii) The lungs cannot eliminate the excess carbon dioxide from the body iv) The blood oxygen levels are abnormally low g) When Sympathetic Nerves get activated, it releases: i) Adrenaline, which stimulates the organ ii) Adrenaline, which inhibits	of the above
	Describe the mechanism of respiration. Or Describe the functions of thyroid hormone. Name the diseases of hypo and hypothyroid hormone. Write short notes of any three of the following: a) Functions of liver. b) Gas exchange in lungs. c) Enumerate the functions of Saliva. d) Cardiac cycle. Answer any three of the following: a) Composition and functions of cerebrospinal fluid b) Name any two hormones produced by ovary. c) Name the branches of coronary artery. d) Name the two important waste products excreted by the Kidneys Encircle the most suitable answer of the following questions: a) Name the site where digestion of proteins occurs. i) Pancreas ii) Rectum iii) Liver iv) Ileum b) Functional units of food absorption is: i) Red blood cells ii) Small intestine iii) Villi iv) Aggregated lympe. c) The maximum amount of carbon dioxide in the human body is transported as: i) Bicarbonate ii) Carbide iii) Amylase iv) None d) During severe exercise, oxygen consumption is greatest in: ii) Brain ii) Heart iii) Skeletal musele. iv) Liver. e) The primary function of the cerebrospinal fluid is to: i) Protect the brain ii) Provide nutrients to the surroundin ii) Remove waste products iv)All of the above f) Hypopnea is a condition where: i) The airway becomes partially obstructed ii) The blood does not clot properly iii) The lungs cannot eliminate the excess carbon dioxide from the body iv) The blood oxygen levels are abnormally low g) When Sympathetic Nerves get activated, it releases: