

CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY

III- Semester of Bachelor of Medical Radiology and Imaging Technology Examination

April 2018

BMRIT301HUMAN ANATOMY & PHYSIOLOGY INCLUDING PATHOLOGY PART 2

Day: Thursday Date: 19/04/2018 Time: 10.00 am To 10.30 am Maximum Marks: 20

MCQ

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Important Instructions:

- Tick the correct answer and it should be written in question paper itself.
- Use of non-programmable calculator is allowed.

Q - I	Choose the correct answer for the following questions.	10
1.	_____ Causative factor for peptic ulcer.	
	H. pylori	A. israelii
	M. tuberculosis	M. laprae
2.	This type of hypersensitivity mediated by IgE	
	Type I	Type III
	Type II	Type IV
3.	Wheezing is the hallmark symptom of _____	
	Asthma	COPD
	Lung Cancer	Cystic Fibrosis
4.	The most frequent cause of urinary obstruction in the male is:	
	Carcinoma of prostate	Benign prostatic hypertrophy
	Stag horn calculus	Hydronephrosis

5.	The hall mark of an acute inflammation is:		
	Increased blood flow	Vascular stasis	
	Rubor, calor, dolor and increased permeability of microcirculation	Increased vascular permeability	
6.	How many generation of Lower Respiratory tract in both the lungs?		
	23	22	
	25	21	
7.	In ulcerative colitis inflammation is limited to _____.		
	Mucosa	Sub mucosa	
	Serosa	Trans mural layer	
8.	Heat and redness in acute inflammation is due to following pathological mechanism		
	Increase vascular permeability	Leukocytic migration	
	Stasis	Increase blood flow	
9.	Which of the following is the true about Atherosclerosis:		
	It occurs in retinal artery	Thinning of intima is a feature	
	Foamy macrophages are seen in type I plaque	Proliferation of smooth muscle cells in the intima is typical	
10.	What is the instrument that measures the amount of air inhaled and exhaled with each breath?		
	Phonocardiography	Spirometer	
	Stethoscope	Electrocardiogram	

Q - I (B)	Match the following column "A" with Column "B".		5
Column A	Answer	Column B	
1. Pancreas		a. Type VI Hypersensitivity	
2. Tetralogy of fallot		b. Acyanotic heart disease	
3. T-helper cells		c. Islets of Langerhans	
4. Atrial septal defect		d. Type III Hypersensitivity	
5. Ig G		e. Cyanotic heart disease	

Q - I (B)	Select whether following statement is true or false.	5
		True/False
1.	Laceration is sign of 2 nd intention wound healing.	
2.	Congenital heart disease is the abnormality of heart present from birth.	
3.	Atherosclerosis is a thickening of small sized vascular artery.	
4.	The study of an organ system's structure is called systemic anatomy.	
5.	Sense of thrust and hunger is regulated by hypothalamus.	

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ANSWER KEY

BMRIT301 HUMAN ANATOMY & PHYSIOLOGY INCLUDING PATHOLOGY PART 2

Day: Thursday Date: 19/04/2018 Time: 10.30 am To 01.00 pm Maximum Marks: 50

Instructions:

1. Section I and II must be attempted in SINGLE ANSWER SHEET.
2. Make suitable assumptions and draw neat figures wherever required.
3. Use of non-programmable calculator is allowed.
4. Show necessary calculations.

SECTION – I		
Q - II Answer the following questions as directed. (Any ten)		20
1.	Enlist any four risk factors of Diabetes Mellitus Type II.	
2.	What is Leukemia? Elaborate the classification of Leukemia.	
3.	Write any two contrasts between Necrosis and Apoptosis.	
4.	What is nephron?	
5.	Write any four functions of Liver.	
6.	Write any four complications of Myocardial infractions.	
7.	What is Hypertrophy?	
8.	Draw schematic diagram of etio-pathogenesis of Corpulmonale.	
9.	Define Chronic bronchitis.	
10.	Enlist pathophysiological feature of Jaundice.	
11.	Enlist the names of phases of menstrual cycle.	
SECTION – II		
Q-III Answer the following questions as directed		20
1.	Explain the pathogenesis of Cirrhosis of Liver.	
2.	What is Inflammation? Explain in brief about Types of Inflammation.	
3.	Define Bronchial asthma. Explain in brief about etio-pathogenesis of Bronchial Asthma.	
4.	Explain in brief about prostatic hyperplasia?	
5.	Difference between parasympathetic and sympathetic nervous system	

Q-IV Answer the following questions as directed		10
1.	Write in detail about meningitis, its etiopathogenesis, types, and clinical features.	