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it Bengal University of Health Sciences 1st Professional Examination, 2018

Subject : Anatomy

Paper : 1

Full Marks: 50 Time : 2 1/2 hours

Attempt all questions. The figures in the margin indicate full marks

Group-A

- 1. Answer any one of the followings:
 - Write in brief the movements of shoulder joint with muscles assisting such movements. What in the common dislocation seen in shoulder joint and what structure(s) is/are vulnerable in such dislocation?
 - b) Describe different parts of male urethra in detail. What is hypospadias?

9+3

Group-B

- 2. Answer any two of the following:
 - What is pronation and Supination? In which joint pronation and supination takes place? Give its axis of movement. Describe the muscles involved. 2+1+1+3
 - Give an account of supports of uterus.

7

Give an account of formation and tributaries of portal vein. Discuss in brief the development of portal vein. 4+3

Group-C

Write short notes on any four of the following:

4 x 3

- a) Spring ligament.
- Femoral sheath.
- c) Lumbar Plexus.

Transitional Epithelium.

Sesamoid bone.

Group-D

Explain the followings:

4 x

- .a) Basilic vein is preferred to Cephalic vein in cardiac catheterisation.
- Gancer prostate with low back pain.
- c) Fracture scaphoid and avascular necrosis of proximal segment of bone.
- d) / Which ureter is more prone to injury in cancer cervix of uterus?

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The West Bengal University of Health Sciences MBBS 1st Professional Examination 2015

MBBS 1st Professional Examination, 2018	es
Subject: Anatomy	
Paper : 11	Full Marks: 50
Attempt all questions. The figures in the margin indicate full marks	
1. Answer any one of the followings:	1
a) Describe interior of right atrium of heart. Discuss development of interven	
de tempinent of inter ve	
b) Enumerate museles of and a to a	7+5
b) Enumerate muscles of soft palate. Give Origin, insertion, nerve supply	and function of its
muscles. What is passavant ridge?	2+8+2
Group-B	
2. Answer any two of the followings:	
Write briefly about formation and circulation of C.S.F. What are t	he parts of lateral
ventricle of brain? Describe its Central part.	3+2+2
DENI MEDIC	
What is typical inter costal space? What are the contents of LC space? I	Describe inter costal
artery,	2+1+4
Describe extra cranial part of facial nerve.	7
Group-C	
. Write notes on uny four of the following:	4 x 3
a) Fallots tetralogy. Otic gaglion. c) Inter pedunce	lar fossa of brain.
Rima glottidis. Coronary sinus.	
Group - D	
Explain the following:	4 x
·	
Thyroid swelling moves with deglutition.	and right name books
M Left recurrent laryngeal nerve hooks around Ligamentum arteriosum a	ind right herve hoo
round subclavian artery.	
Fibrous pericardium is fused with central tendon of diaphragm.	

& Pituitary tumour leads to bitemporal hemianopia.



Subject : Physiology Paper : I

Time (1 % hours

7

 4×3

4 x

Attempt all quextions. The figures in the margin indicate full marks

Group - A 1. a) Define Cardine Output. Describe the factors affecting Cardine Output. How does link's Principle determine Cardiac Output?

Give an account of the cardio respiratory changes that occur during isotonic exercise. When are the effects of training?

Group - B

2. Answer any two questions:

What is VA/Q ratio? Explain the distribution of ventilation and perfusion in different regions of the lungs in erect posture. Why is tolerculosis common at the apex of the lung? 1+4+2

What is the role of platelets in haemostasts?

Describe the structure of Immunoglobulin. Write briefly about the different types of Immunoglobulins.

Group - C

3. Write short notes on any four of the following:

Gibbs-Donnan Equilibrium.

Cells found in the stomach. Role of O2 therapy in hypoxia. ESR.

e) Migrating Motor Complex.

Group - D

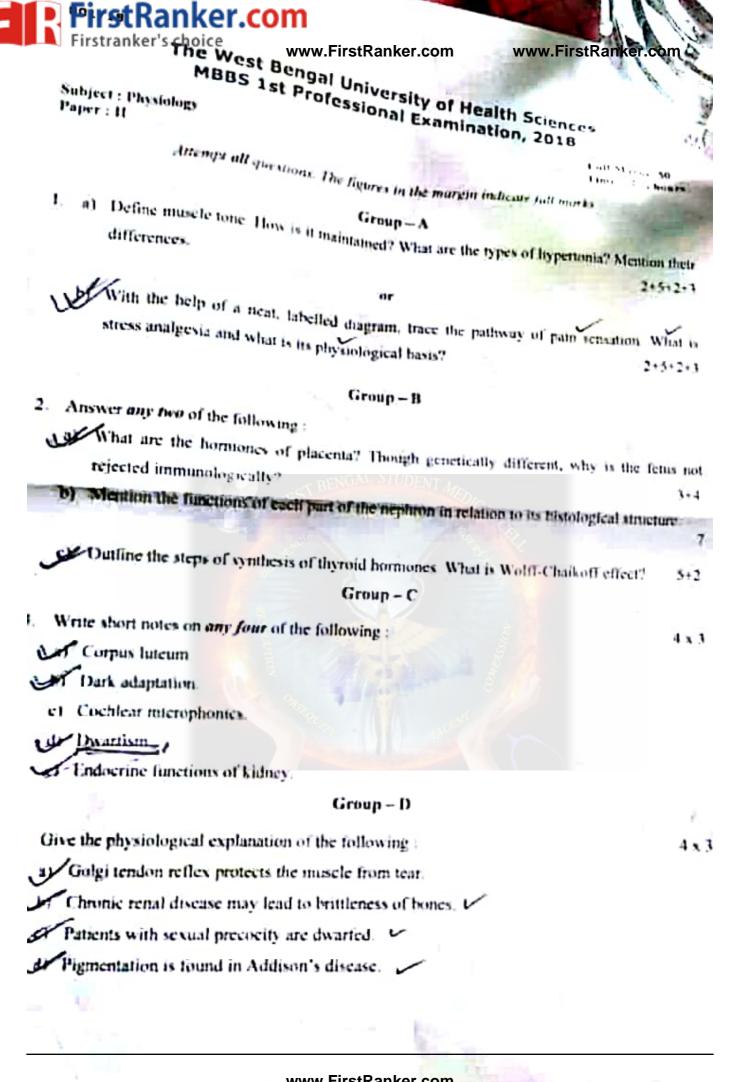
Give the physiological explanation of the following:

Bleeding tendency occurs in Obstructive Jaundice.

RBCs in venous blood are larger than in arterial blood.

Pulmonary ventilation is not affected till pO2 is below 60 mm Hg.

d) ATP helps in contraction and relaxation of skeletal muscle.



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The West Bengal University of Health Sciences MBBS 1st Professional Examination, 2018

Subject : Biochemistry Full Marks: 50 Paper : I Time : 21/2 hours Attempt all questions. The figures in the margin indicate full marks Group - A Describe different types of enzyme-inhibition. Write the clinical importance of enzyme inhibitors. or b) Describe the mitochondrial electron transport chain with a diagram indicating the sites of ATP synthesis. 12 Group - B Answer any two of the following: 2×7 a) Describe the methods of determination of primary structure of proteins. Write a brief note on phospholipids and their biological functions. Describe the oxido-reductase group of enzymes. Group - C Write short notes on any four of the following: 4×3 Ribozymes. Glycated haemoglobins. Melting of DNA. Structure and functions of IgG. d) Alkali reserve. Group - D

4. Explain the following statements:

Molecular chaperons play role in protein folding.

Glucose and Fructose produce identical osazone.

Nucleotide analogs are used as anticancer agents.

Clearance tests are indicative of renal function.

 4×3

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The West Bengal University of Health Sciences MBBS 1st Professional Examination, 2018

Subject : Blochemistry Paper : II

Full Marks : 50 Time : 21/4 hours

Attempt all questions. The figures in the margin indicate full marks

Group - A

1. a) Define 'operon'. Describe the Lac-operon model for regulation of gene expression in E. Coli.

or

 b) Write the metabolism of Very Low Density Lipoprotein. Explain the reverse-cholesterol transport.

Group - B

- 2. Answer any two of the following:
 - a) Explain the role of glutamic acid in removal of ammonia from amino acids. Write the reasons why ammonia is toxic to Central Nervous System.
 - b) Write about various repair mechanism of DNA damages.

7

write the reactions of gluconeogenesis from Lactate and mention the hormonal regulation of gluconeogenesis.

Group - C

3. Write short notes on any four of the following:

 4×3

Polymerase chain Reaction.

why Folate trap.

Purine Salvage Pathway.

Proto-oncogenes.

(e) Hyperbilirubinemias.

Group - D

4. Explain the following statements:

 4×3

Urinary urobilinogen is increased in haemolytic jaundice.

wby Genetic code is degenerate.

Hyperuricemia occurs in Von-Gierke-Disease.

Thiamine deficiency is detected by measuring transketolase activity in blood.