

## MBBS I (First) Professional Examination 2014-15

Paper ID: 0322205 Course Code:MBS102

Physiology -I

Time: 2 Hours 40 Minutes Max Marks: 40

Note: Attempt all questions. Draw proper diagrams to support

your answer.

Part 'B'

Describe the functions of plasma proteins. 1. a) (5)

Write in brief about hemophilia. b)

2. Discuss the various cardio respiratory changes that occur during exercise.

Write short notes on the following: (2.5x4=10) 3.

Powerhouse of the cell

Heart Sounds

Windkessel's effect

d) Control of gastric juice secretion

Define GFR. Describe various factors affecting GFR. (10)

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Roll No.		Student's Name
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Student's Signature		Invigilator's Signature
Course Code:MBS102	Physiology - I	Paper ID: 032220:

Part 'A'

Time: 20 Minutes Max Marks: 10

Note: 1. Attempt all questions and return this part of the question paper to the invigilator after 20 Minutes. 2. Please tick ( $\sqrt{}$ ) correct one only. Cutting, overwriting or any other marking are not allowed. 3. For answering please use Ball- pen only.



Low thyroxin level

0.2 Conjugation of bilirubin occurs in:

a) Hepatocytes b) Granulocytes Lymphocytes d) Erythrocytes c)

Q.3 Bleeding in thrombocytopenic purpura

usually occurs when platelet count is reduced below: 1.5 lac/cmm b) 75.000/cmm a)

50,000/cmm d) 25,000/cmm c)

Post-prandial alkaline tide is caused by: a) Rise in HCO3 in systemic blood

following a meal Loss of HCO3 in urine b)

Depressed breathing c) d) Rise in alveolar pCO2

0.5 Choleretic are the substances which causes:

Contraction of the gall bladder

b) Increase biliary secretion from the

c) Neutralization of acid from the stomach

Solubility of fats in micelles d)

0.6 Removal of entire colon would be expected to cause:

Death a)

b) Electrolyte imbalance

c) Megaloblastic anaemia Severe malnutrition

d)

0.7 'a' wave of jugular venous pulse is caused by:

Atrial systole a)

b) Ventricular systole

c) Atrial diastole

d) Ventricular diastole

Which of the following is not recorded in Q.8 ECG:

a) Atrial depolarization

b) Atrial repolarisation

c) Ventricular depolarization

Q.17 Lungs contain enzyme for conversion of:

a) Prorenin to renin

b) Angiotensinogen to angiotensin-I

c) Angiotensin-I to Angiotensin-II

d) Angiotensin-III to Angiotensin-III

Q.18 Role of cholecystokinin is:

Contraction of gall bladder

b) Secretion of bicarbonate secretion

Increases gastric motility c)

Decreases intestinal motility d)

0.19 Intracellular fluid is:

50% of total body water 2/3<sup>rd</sup> of total body water 1/3<sup>rd</sup> of total body water a)

b)

c) d) 25% of total body water

Q.20 Renal blood flow is:

a) 200 ml/min

1200 ml/min b)

3000 ml/min c)

www.FirstRanker.com d) 1800 ml/min

Www.FirstRanker.com withwwwiFirstRanker.com

phenomenon called:

d)

the

Marey's law

Cushing reflex b)

Capillaries

Sinus arrhythmia c) d

Bainbridge reflex

PTO

Q.11 The volume of gas contained in the lung at the end of maximum inspiration is:

Functional residual capacity

Inspiratory capacity

Inspiratory reserve volume c) d)

Total lung capacity

Q.12 The amount of oxygen carried in blood in the dissolved form is...... ml/100ml of blood per 100mmHg:

a)

b) 0.3

0.03 c)

d) Less than 0.03

Q.13 Glucose reabsorption mainly occurs in:

a) Proximal tubule

b) Distal tubule

c) Loop of henle

d) Collecting duct

Q.14 Na+K+pump is required for:

Primary active transport

b) Osmosis

c) Exocytosis

d) Diffusion

Q.15 Normal ejection fraction i:

a) 65%

75% b)

85% c) d) 95%

Q.16 Basic functional unit of the kidney is:

Bowan's capsule

b) Glomerulus

Malpighian corpuscle

Nephron

