% V-01 1:01/018/40/45

## BACHELOR OF PHYSIOTHERAPY FIRST SEMESTER HUMAN PHYSIOLOGY I

BPT - 102

ILSE OMR SHEET FOR OBJECTIVE PARTI

SET
B

Duration: 3 hrs.

Objective )

Choose the correct answer from the following:

Marks: 20

Full Marks: 70

1×20=20

- 1. Normal value of ventilation Perfusion is ......
  - a. 0.82

Time: 30 min.

b. 0.83

c. 0.84

- d. 0.85
- 2. How many members are there in ABO blood group system:
  - a. 4

b. .

c. 2

- d. 5
- 3. Pulmonary ventilation in exercise consists of
  - a. 401

b. 501

c. 601

- d. 701.
- 4. The space between nerve terminal and muscle is called:
  - a. Post synaptic junction

b. Pre synaptic junction

e. Synaptic cleft or gatter

- d. Acetylcholine
- 5. The resting membrane potential of muscle is:
  - a. -70 my

b. -90 my

e. -100 my

- d. -120 my
- **6.** Erythropoiesis is the formation of :
  - a. Platele

b. WBC

c. RBC

- d. All of the above
- 7. It is the period during which atrial filling takes place
  - a. Atrial systole

Atrial diastole

c. Ventricular systole

- d. Ventricular diastole
- 8. Haemoglobin is the ......present in RBC
  - a. Carbohydrate

b. Proteins

c. Fats

- d. Iron+Protein
- 9. Ribosomes are present on the outer surface of :
  - a. Rough Endoplasmic reticulum
- b. Smooth endoplasmic reticulum

e. Mitochondria

d. Nucleus

is the valve between right atrium and	d rig	ht ventricle?
ricuspid Valve	b.	Bicuspid valve
ortic valve	d.	Pulmonic valve
many granial narves are present		
	b.	10
		12
		C I
idney		Stomach
iver	d.	Large intestine
h pair of ribs are called floating ribs?		
and 2 <sup>nd</sup>	b.	5th and 6th
th anf 8th	d.	11th and 12th
		120 mm Ha
		120 mm Hg
10 mmHg	α.	90 mmHg
ong process a Neuron is :		
axon	b.	Myelin
oma	d.	All of the above
tions of interplayed proceure is		
	b	Help and creating negative pressures
		All
arotid		aortic
Vone	d.	Both
erian degeneration is seen in :		
Auscle injury	b.	Joints
Nerve injury		All of the above
	1.	Owaya
2 wave		Q wave
Rwave	d.	Twave
other name of intrapleural pressure is		
ntrathoracic pressure		Intralveolar pressure
unamoracic pressure		
	d.	Intarib pressure
ntrabdominal pressure	d.	. Intarib pressure
		. Intarib pressure
rickor m 1 s s skiddive h p ski	ruspid Valve tic valve tany cranial nerves are present secreted by: ney er pair of ribs are called floating ribs? and 2nd anf 8th ge systolic blood pressure is mm Hg mmHg ng process a Neuron is: on ons of intrapleural pressure is s as lubricant vent friction oreceprtors are present in rotid ne ian degeneration is seen in: iscle injury rve injury arization of atria is vave	tic valve  any cranial nerves are present  b. d. secreted by: ney er d. pair of ribs are called floating ribs? and 2nd anf 8th d. ge systolic blood pressure is mm Hg mmHg d. ag process a Neuron is: on on on d. ons of intrapleural pressure is s as lubricant vent friction d. oreceprtors are present in rotid ne d. ian degeneration is seen in: scle injury rve injury d. arization of atria is vave  b. d.

2 USTM/COE/R-III

## $\left(\begin{array}{c} \underline{\text{Descriptive}} \end{array}\right)$

Time: 2 hrs. 30 min. Marks: 50

## [Answer question no.1 & any four (4) from the rest]

1.	<ul><li>a. Write in detail the ABO and Rh blood group system.</li><li>b. What are benefits of blood donation.</li></ul>	5+5=10
2.	What is spirometry? Discuss the mechanism of work of spirometry?	5+5=10
3.	What is respiratory centres? What are the different types of respiratory centres? Mention about medullary respiratory centres with different diagrams/	3+3+4 =10
4.	What is neuroglia? Classify neuroglia? Mention in details about oligodendrocytes and protoplasmic astrocytes?	2+2+6 =10
5.	What are the chambers of heart? Write about the circulation of heart in details with diagrams.	5+5=10
6.	What is cardiac cycle? Write about the cardiac cycle events of atrium and ventricular in details?	5+5=10
7.	<ul><li>a. Haemolytic Disease of the Newborn (HDN)</li><li>b. Haemophilia.</li></ul>	5+5=10
8.	What is neuromuscular junction? Write about the events taking place in neuromuscular junction.	5+5=10

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