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# DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE — RAIGAD -402 103

Winter Semester Examination — December - 2018

Branch: First Year B. Pharmacy Subject with subject Code: Human Anato	my and Physiology-II (BP201T)	Semester -II
<u>Date: - 29/12/2018</u>	Marks: 75	Time: 3 Hrs.
Instructions to Students:- 1. All Questions are compulsory 2. Neat and labeled diagrams m 3. Figures to right indicate full in	ust be drawn whenever necessary mark	
Q. No. 1 Select the correct answer from m	nultiple choice questions. (20 x 1)	20 M
I) Which of these cells are not types of net		
A) Schwann cells	B) Oligodendrocytes	
C) Astrocytes	D) M icroglia	
2) is an abundant inhibitory neuro	otransmitter in CNS	
A) Adrenaline	B) Acetylcholine	
C) GABA	D) Noradrenalin	
3) The elevated ridges of tissue on the sur		re known as
while the shallow grooves are	-	
A) Sulci; gyri	B) Tracts; ganglia	
C) Ganglia; gyri	D) Gyri; sulci	
4) Cerebrospinal fluid circulates through	all of the following except:	
A) Corpus callosum	B) Lateral ventricles	
C) Fourth ventricle	D) Cerebral aqueduct	
5) Vitamin 1312 absorption:	, G	
A) Depends on presence of intrinsic factor.	B) Depends on passive	
C) Occurs in the jujenum.	B) Depends on passive D) Occurs in the stome	ach.
6) Chief cells of gastric mucosa secrete	<b>)</b>	
A) Trypsin	B) bicarbonate ions	
C) Pepsinogen	D) I-ICL	
7) Pancreatic secretion contains all the fo	<i>'</i>	
	D) 61	
A) Trypsin	B) Chymotrypsin	
C) Lipase	D) Nucleotidase	
8) The structure which prevents the entry	of food into respiratory tract is	
A) Larynx	B) Pharynx	
C) Glottis	D) Epiglottis	

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9) The kidneys are:		
<ul><li>A) Help regulate blood volume,</li><li>C) Help control pH.</li></ul>	<ul><li>B) Help control blood pressure.</li><li>D) All of the above are correct.</li></ul>	
<ul><li>A) Glomerulus, proximal convoluted</li><li>B) Glornerulus, nephron loop, proxim</li><li>C) Glomerulus, proximal convoluted</li></ul>	r sequence of structures in the nephron? tubule, distal convoluted tubule, nephron loop. nal convoluted tubule, distal convoluted tubule. tubule, nephron loop, distal convoluted tubule. erulus, nephron loop, distal convoluted tubule.	
11) Fibrous connective tissue that surro		
A) Cortex.	B) Medulla.	
C) Renal capsule.	D) Renal pyramids	
12) Anterior pituitary also called as		
A) Adenohypophysis	B) Neurohypophysis	
C) Pars inlermedia	D) Hypothalamus'	
13) Prolactin hormone synthesized by		
A) Lactotrophs	B) Coticotrophs	
C) Gonadotrophs	D) None of the above	
14) The hypothalamus regulates	<u>coll</u>	
A) Heart rate	B) Body temperature	
C) Glandular secretions	D) All of the above	
15) The produces the hormo	ne melatonin	
A) Pituitary gland	B) Pineal gland	
C) Thyroid gland	D) Pancreatic gland	
16) The corpus luteum secretes a horm	one	
A) Luteinizing hormone.	B) Estrogen and Progesterone.	
C) Oxytocin.	D) Follicle-stimulating hormone.	
17) Which of the following is the correction ovarian follicle?	ct sequence for the development and regression of an	
	lar ovarian follicle, corpus albicans, and corpus luteum	
_	lar ovarian follicle, corpus luteum, and corpus albicans	
*	, corpus albicans, and mature vesicular ovarian follicle	
	n, mature vesicular ovarian follicle, and corpus albicans	

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18) All of the following are regions of the uterus except

**A**) The cervix. B) The body.

C) The ampulla. D) The uterine cavity.

19) Pulmonary ventilation is

A) Tidal volume + Respiratory rate

B) Tidal volume + Vital capacity

C) Tidal volume + Residual volume I)) Tidal volume + Inspiratory reserve volume

### 20) Which of the following does NOT happen during inspiration?

- A) The ribs move upward.
- 13) The diaphragm lifts up.
- C) The antero-posterior dimensions of the chest are increased.
- D) The tranverse dimensions of the thorax are increased.

## Q. No. 2 Long Answer questions (Any Two) (10X02=20) (20 M)

- I. Explain in detail physiology of urine formation.
- [I. Draw neat and well labeled of diagram of T.S. Spinal cord and explains physiology of Spinal cord

Describe biosynthesis, storage & Transport of Thyroid Hormones

## Q. No. 3 Short Answer Question (Any Seven) (7X5=35) (35 M)

- 1) Explain the physiological role of hormones of anterior pituitary gland.
- ii) Discuss Physiology of Menstrual Cycle.
- iii) Write note on Renin Angiatensin Aldosterone system.
- iv) Explain structure and function Cerebellum.
- v) Explain structure and functions of Kidney.
- vi) Write a note on Spermatogenesis.
- vii) Explain Mechanism of Pulmonary ventilation.
- viii) Illustrate the structure and function of the pancreas.
- ix) Define Tidal Volume, Vital Capacity, BMR, Diabetes mellitus, Meningitis.

Α

\*\*\* End \*\*\*

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