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

Winter Semester Examination — December - 2018

Branch: First Year B. Pharmacy	Semester -II	
Subject with subject Code: Human Anato		
Date: - 29/12/2018	Marks: 75 Time: 3 Hrs.	
Instructions to Students:- 1. All Questions are compulsory 2. Neat and labeled diagrams must be drawn whenever necessary 3. Figures to right indicate full mark		
Q. No. 1 Select the correct answer from n	nultiple choice questions. (20 x 1) 20 M	
I) Which of these cells are not types of new	uroglia found in the CNS:	
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	face of the cerebral hemispheres are known as	
while the shallow grooves are	termed	
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:		
A) Depends on presence of intrinsic factor.	B) Depends on passive diffusion.	
C) Occurs in the jujenum.	D) Occurs in the stomach.	
6) Chief cells of gastric mucosa secrete		
A) Trypsin	B) bicarbonate ions	
C) Pepsinogen	D) I-ICL	
7) Pancreatic secretion contains all the following enzymes, except:-		
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	

Page 1 of 3

9) The kidneys are:	
A) Help regulate blood volume,C) Help control pH.	B) Help control blood pressure.D) All of the above are correct.
B) Glornerulus, nephron loop, proximalC) Glomerulus, proximal convoluted tub	equence of structures in the nephron? oule, distal convoluted tubule, nephron loop. convoluted tubule, distal convoluted tubule. oule, nephron loop, distal convoluted tubule. slus, nephron loop, distal convoluted tubule.
11) Fibrous connective tissue that surrour	nds each kidney is the:
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	
A) Heart rate	B) Body temperature
C) Glandular secretions	D) All of the above
15) The produces the hormone	e melatonin
A) Pituitary gland	B) Pineal gland
C) Thyroid gland	D) Pancreatic gland
16) The corpus luteum secretes a hormone	е
A) Luteinizing hormone.	B) Estrogen and Progesterone.
C) Oxytocin.	D) Follicle-stimulating hormone.
17) Which of the following is the correct sovarian follicle?	sequence for the development and regression of an
A) The primordial follicle, mature vesicular	ovarian follicle, corpus albicans, and corpus luteum
B) The primordial follicle, mature vesicular	ovarian follicle, corpus luteum, and corpus albicans

C) The primordial **follicle**, **corpus luteum**, **corpus albicans**, **and mature vesicular ovarian follicle D) The** primordial follicle, corpus luteum, mature vesicular ovarian follicle, and corpus albicans

Page Z of 3

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 ***