



BRAINWARE UNIVERSITY

Term End Examination 2022 Programme – DMLT-2021/DMLT-2022 Course Name – Human Anatomy and Physiology Course Code - DMLT101 (Semester I)

Full Marks : 60 Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question) 1 x 15=15 1. Choose the correct alternative from the following: (i) Define the term cell was given by a) Robert Hooke b) Tatum c) Schwann d) De Bary (ii) Identify the perichondrium a) Yellow elastic connective tissue b) Loose areolar connective tissue c) Reticular connective tissue d) Irregular white fibrous connective tissue (iii) Explain articular surface of joints a) Is formed of hyaline cartilage b) Is rich in elastic fibers c) Is rich in collagen type I d) Gets its nutrition from periosteum (iv) Select Cartilage and bone are types of a) Muscular tissue b) Connective tissue c) Meristematic tissue d) Epithelial tissue (v) State Haversian canals occur in a) Pubis b) Clavicle c) Scapula d) Humerus (vi) Describe appearance of Plasma is a) Red in color b) Yellow in color c) Like leucocytes d) Like leucocytes (vii) Choose of the following statements about red blood cells (RBCs) is correct? a) RBCs contain hemoglobin b) Mature RBCs lack cell membrane. c) Mature RBCs lack ribosomes d) The lifespan of RBCs is about 30 days. (viii) Choose the term _____ refers to production of blood cells in the _____ of adults a) Hemolysis; spleen b) Hemostasis; liver c) Homeostasis; bone marrow d) Hematopoiesis; bone marrow

b) Plasma from which fibrinogen and clotting

factors are removed.

(ix) State serum

are removed.

a) Whole blood sample from which all cells

c) The portion of the blood that is composed of red blood cells.(x) Choose the normal pH of blood is	 d) Plasma from which only albumin are globulins are removed. 	nd
a) 2.2 c) 7.4	b) 5.2 d) 10.4	
(xi) Choose yellow color of urine is due to	u) 10.4	
a) Urochrome	b) Urea	
c) Bilirubin(xii) Choose the normal value of GFR is-	d) Uric acid	
a) 180 ml/Day	b) 125 ml/min	
c) 140 ml/min (xiii) State the blood from glomerulus is carried awa	d) 100 ml/min ay by	
a) Afferent arteriole	b) Efferent arteriole	
c) Renal vein(xiv) State, as a rule, the only special sense not fully	d) Peritubular capillary	
a) taste	b) smell	
c) vision	d) audition	
(xv) Choose which of the following would NOT be f		
a) hairc) pharyngotympanic tube	b) sebaceous glandsd) modified sweat glands	
Gro	лр-В	
(Short Answer T	-	3 x 5=15
 Illustrate the composition of blood Develop the concept on Hypoxia. Mention the ty Define the terms- a. Dyspnoea, b. asphyxia, c. cya Differentiate skeletal, smooth and cardiac muscle State the abnormal constituents of urine. 	anosis 2.	(3) (3) (3) (3)
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