



**O1/ Choose the correct answer for (10 only) : (15 Mark)**

- 1- The plasma protein with the highest concentration is:  
a) Albumin. b) Beta globulin. c) Fibrinogen d) Gamma globulin.
- 2- Which of the following is correct?  
a) Serum contains blood and fibrinogen b) Plasma is blood without lymphocytes  
c) Blood comprises plasma, RBC, WBC and platelets d) All
- 3- The blood plasma protein "Globulins" are act as :  
a) antibodies b) antigens c) clotting factors d) non
- 4- When substances move from the tubule into the surrounding efferent arteriole, this is known as:  
a) filtration b) excretion c) reabsorption d) tubular secretion
- 5- The blood vessel which carries blood to the glomerulus is the?  
a) Renal artery b) peritubular capillaries c) renal vein d) afferent arteriole
- 6- If there is an injury in the hypothalamus region of the brain, it is most likely to affect:  
a) decision making b) regulation of body temperature c) co-ordination during locomotion  
d) short-term memory
- 7- A neuron that carries information from the peripheral nervous system to the central nervous system is  
(a) afferent neuron (b) efferent neuron (c) both a & b (d) none
- 8- A decrease in ..... often caused by an increase in ..... results in ..... stimulation of the heart.  
a) pH , O<sub>2</sub> , sympathetic b) pH , CO<sub>2</sub> , sympathetic c) pH , CO<sub>2</sub> , parasympathetic  
d) pH , O<sub>2</sub> , parasympathetic
- 9- is a median cavity in the brain that is bounded by the thalamus and hypothalamus on either side.  
a) Lateral ventricles b) Third ventricles c) Fourth ventricles d) Non
- 10- The kidney secretes ..... for the purpose of stimulating bone marrow activity.  
a) Renin b) Aldosterone c) Erythropoietin d) Urine
- 11- Which of the following is NOT a stage of urine formation:  
a. glomerular filtration b. glomerular secretion c. tubular secretion d. tubular reabsorption
- 12- All of the following belong to the urinary system EXCEPT  
a) Urethra. b) Ureter. c) Bladder. d) Prostate. e) Non
- 13- A rate less than 60 beats / minute is called:  
a) tachycardia b) ataxia c) bradycardia d) ectopic beat

**O2/ fill the blanks with suitable answer for ( 10 only) : (15 Mark)**

- 1) ----- is the primary center for haemopoiesis in the last three months of birth and throughout life.



- 2) ----- a state in which the tissues do not receive adequate oxygen supply, generally due to decreased tissue perfusion or decreased oxygen intake.
- 3) ----- oxygen combines weakly with the haemoglobin molecule ; it is formed in lungs.
- 4) The ----- comprising 40 % - 70% of the total WBC . which constitute a defense against invasion of microorganisms by active vagocytosis.
- 5) If body fluids are becoming too acidic, the kidneys will secrete more ----- into the renal filtrate and will return more ----- to the blood.
- 6) ----- is a potent vaso-active peptide that causes blood vessels to constrict, resulting in increased blood pressure.
- 7) ----- amount of air that inhaled or exhaled with each breath under resting condition.
- 8) ----- is secreted by the adrenal gland , which stimulates the reabsorption of sodium and water back to the blood, this helps maintain normal blood volume and blood pressure.
- 9) ----- which takes blood to the liver with branches going to the stomach.
- 10) ----- is located in the right atrium , which called the ----- , because it has the highest rate of depolarization.
- 11) ----- are stretch receptors that monitor blood pressure in the aorta and in the wall of the internal carotid arteries, which carry blood to the brain.
- 12) ----- is the amount of blood pumped by a ventricle in 1 minute.
- 13) ----- a specialized area that is very much involved in the ability to speak. It is located in the left hemisphere.

Q3/ answer TWO of the folowing : (10 Mark)

- A. List (7) patterns of breathing with explain?
- B. Mention the physiological mechanism of Erythropoiesis?
- C. Enumerate (5) cranial nerves with its function?

Good Luck



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فصلية  
2024

الاجابة عن ثلاثة اسئلة فقط.....

س1/ اجب بصح او خطأ عما يلي ... وضح الخطأ ان وجد : /الاجابة عن خمسة/ (20 درجة)

1\_ حقوق الإنسان ليست ضرورية لحماية وصون إنسانية كل فرد وتأمين حياة كريمة يستحقها الكائن البشري.

2\_ في معظم دول العالم لا توجد تشريعات ترغم الحكومات على احترام حقوق الإنسان الأساسية.

3\_ تحمي حقوق الإنسان مصالحنا تجاه الدولة، لذلك نحتاج إلى المطالبة بها من المجتمع أو من ينوب عنه.

4\_ شكل الإعلان العالمي لحقوق الإنسان تقريباً أساس كل المعاهدات الدولية التي تم وضعها.

5\_ قد يكون الاستعمال الشرعي للقوة الملائمة لمدى التهديد الذي تتعرض له غير مقبولاً.

6\_ إذا كنت تحترم حقوق الآخرين، فقد تقع أنت نفسك في ورطة.

س2/ ما هي المطالبة بحقوق الإنسان؟ (30 درجة)

س3/ املئ الفراغات التالية بالعبارات المناسبة : (الاجابة عن خمسة فراغات). (20 درجة)

1\_ حماية الحقوق الإنسانية للآخرين ليست ذريعة.....

2\_ يفرض ..... أحياناً عقوبات لمعاقبة الأنظمة التي تنتهك حقوق الإنسان باستمرار.

3\_ ..... ليست في الحقيقة علماء أو أيولوجية "ثابتة"، إنما هي مجال لتطوير الفكر الأخلاقي والقانوني.

4\_ حقوق الإنسان عبارة عن ..... يملكها كل فرد في العالم كونه كائناً بشرياً.

5\_ المحكمة العربية لحقوق الإنسان ومقرها.....

6\_ حماية الحقوق الإنسانية للآخرين ليست ذريعة.....

س4/ هل تعرف ما عليك القيام به في حال انتهكت حقوقك؟ (30 درجة)

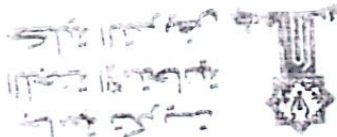
Good Luck



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Q1) Give the meaning of the following terms and give examples and give examples wherever necessary :

(Erythrocyte , Leukocyte , Thrombocyte , Melanocyte , Electrocardiogram (ECG),  
Cardiomegaly , Hepatomegaly , Arthritis , Bradycardia , Electroencephalogram(EEG) ).  
(20m)

Q2) Fill in the following blanks :

1:-cyte ----- : 2 :- -derm ----- 3:- -emesis -----  
4: -malacia----- 5: Arteri -(o)----- 6: Bi ----- 7: Arthr -(o) -----  
8: Anti- ----- 9: Aden-(o) ----- 10: A-An ----- (20m)

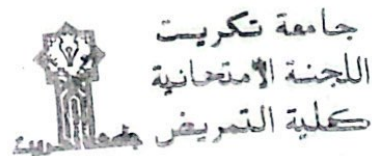
Q3) Mention the medical terms used in the endocrine system and give an example if it exists (15 m).

Q4) Define the following medical terms .

1-IDDM 2- PTH 3- CRH 4- ECCE 5- NVA 6- SOM 7- EENT 8- Brady 9- COR 10- OPT  
(10).

Q5) Match the following with correct answers .Then explain the suitable answer (5)

1-Touch	A- Eye
2- Hearing	B- Mouth
3- Taste	C- Skin
4- Sight	D- Nose
5- Smell	E-Ear



Good Luck

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