Department of physiology
Time allowed: Three hours
Total marks: 100

Physiology
Diploma of Gynaecology

Tanta University
Faculty of Medicine
Date: 11/8/ 2020

All the questions must be answered:

1- Discuss: Mechanism of lactation . (20 marks)

2- Mention: Functions of estrogen. (20 marks)

3- State : Functions of placenta. (20 marks)

4- Mention : Phases of menstrual cycle . (15 marks)

5- State : Signs of ovulation. (10 marks)

All the following must be answered by only one choice (15 marks)

1- Under normal resting condition the cardiac output equal.

a. 5000 ml/min. b. 500 ml/min. c. 300 ml/min. d. 200 ml/min.

2- Incompatible blood transfusion induce the following EXCEPT.

a. Hypokalemia.
b. Hyperkalemia.
c. Hemolytic jaundice.
d. Increase plasma colloid osmotic pressure.

3- The postganglionic sympathetic cholinergic supply.

a. Sweat gland. b. Salivary gland. c. Lung. d. Adrenal medulla.

4- Glucocorticoid :

a. Having protein anabolic effect.
b. Having protein catabolic effect.
c. Decrease blood glucose.
d. Stimulate hepstic lipogenesis.

5- Vasodilatation of arterioles leading to.

a. Increase peripheral resistance.
b. Decrease peripheral resistance.
c. Decrease venous return.
d. Increase systolic blood pressure.

6- Pain receptors are:

a. Pacinian corpuscle. b. Free nerve ending. c. Ruffini ending. d. Merkel disc.

7- Cyanotic threshold occur if amount of reduced Hb reach:

a. 5 gm/dl venous blood.
b. 5 gm/dl arterial blood.
c. 5 gm/dl capillary blood .
d. 0.5 gm/dl venous blood.

Look to back

Tanta University
Department of physiology — Faculty of Medicine
Time allowed: Three hours — Physiology — Code: OBST
Total marks: 30 — Diploma of Gynecology and Obstetric — Date: 9 /9/2020

All the questions must be answered:

1- Discuss : Physiological phases of menstrual cycle. (8 marks)

2- Mention : Endocrine functions of placenta. (7 marks)

All the following must be answered by only one choice (15 marks)

1. **Beta 2 stimulation induce:**
a. Miosis. b. Bronchoconstriction. c. Bronchodilatation. d. Decrease heart rate.
2. **Marked increase in heart rate induce:**
a. Increase cardiac output. c. Decrease stroke volume.
b. Increase diastolic period. d. Increase stroke volume.
3. **Fever is characterized by:**
a. Lowering of set point of hypothalamus. c. Rising of set point of hypothalamus.
b. No change of set point of hypothalamus. d. Lowering of set point of thalamus.
4. **Intrinsic mechanism of blood coagulation start by activation of factor :**
a. VIII. b. X. c. XII. d. III.
5. **Aldosterone is mainly stimulated by:**
a. Decrease blood level of potassium.
b. Increase blood level of potassium.
c. Decrease blood level of fatty acid.
d. Decrease blood level of amino acids.
6. **Neostigmine is:**
a. Antiadrenergic drug. c. Irreversible anticholinesterase
b. Reversible anticholinesterase. d. Anticholinergic drug.
7. **Irreversible shock induce:**
a. Increase sympathetic activity. c. Increase cardiac output.
b. Increase capillary permeability. d. Decrease capillary permeability

Look to back

8- **Under normal resting condition cardiac output equal:**

a. 500 ml/min .
b. 200 ml/min.
c. 5000 ml/min.
d. 300 ml/min.

9- **Irradiation to bone marrow induce :**

a. Hemolytic anemia.
b. Iron deficiency anemia.
c. Aplastic anemia.
d. Maturation failure anemia.

10- **The following hormones stimulate erythropoiesis EXCEPT :**

a. Insulin.
b. Thyroxine.
c. Androgen.
d. Erythropoietin.

11- **Vasoconstriction of arterioles induce:**

a. Increase peripheral resistance.
b. Decrease peripheral resistance.
c. Increase heart rate.
d. Decrease heart rate.

12- **Hemophilia is caused by deficiency of coagulation factor.**

a. Factor VIII b. Factor V c. Factor VII d. Factor III

13- **Insulin :**

a. Rise blood K^+ level.
b. Exert lipolysis.
c. Had protein catabolic effect.
d. Lower blood K^+ level.

14- **Respiratory alkalosis caused by:**

a. Excess renal HCO3 reabsorption.
b. Respiratory depression.
c. Obstructive lung disease.
d. Hyperventilation.

15- **Metabolic acidosis differ from respiratory acidosis in that there is:**

a. Increase PCO_2 and HCO_3.
b. Increase HCO_3.
c. Increase PCO_2.
d. Normal or low PCO_2.

الشفهي يوم الخميس 2020/9/10 في قسم الفسيولوجي الساعة التاسعة صباحا

Diploma examination degree in: gynecology and obstetric
course title: OBGYN 7002
date: 5/9/2020
term: August 2020
time allowed: 3 hours
total assessment marks: 30

Tanta University
Faculty of Medicine
Department of: pathology

Questions Number	*Marks*
Q1- Whate are the characterstic features of benign tumour.	10
Q2- Comment about cervical carcinoma.	10
Q3- Mention about endometrial hyperplasia.	5
Q4- Write short notes about epithelial ovarian tumours.	5

NB: Time of oral exam.: Monday : 14/9/2020---- 11 A.M.