



Department of physiology

Time allowed: Three hours

Total marks: 30

Physiology

MSC of Gynaecology and obstetric

Tanta University  
Faculty of Medicine

Date: 28 /2/2022

**All the questions must be answered:**

- 1- Discuss: Physiological changes occur with pregnancy . (10 marks)
- 2- Discuss: Function of prolactin hormone. (5 marks)

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

1- Sympathetic stimulation could induce:

- |                                |                         |
|--------------------------------|-------------------------|
| a. Miosis.                     | c. Bronchoconstriction. |
| b. Increase gastric secretion. | d. Pupil dilatation .   |

2- Which of the following could induce cyanosis:

- |                      |                        |
|----------------------|------------------------|
| a. Stagnant hypoxia. | c. Histotoxic hypoxia. |
| b. CO poisoning.     | d. Anemic hypoxia.     |

3- Blood group AB is characterized by:

- a. Absence of A and B agglutinin on RBCs.
- b. Presence of alpha and beta agglutinin in plasma.
- c. Presence of A and B agglutinin on RBCs .
- d. It is universal donor.

4- Which of the following Induce coronary vasodilatation :

- |                            |   |
|----------------------------|---|
| a. Vagal stimulation.      | c. Increase cardiac metabolic activity.         |
| b. Muscarinic stimulation. | d. Stimulation of alpha 1 adrenergic receptors. |

5- Which of the following could induce edema:

- |   |                                    |
|---|------------------------------------|
| a. Decrease capillary hydrostatic pressure. | c. Vasoconstriction of arterioles. |
| b. Increase capillary hydrostatic pressure. | d. Increase plasma protein level.  |

6- Which of the following help platelet aggregation in haemostasis:

- |                           |                |
|---------------------------|----------------|
| a. Prothrombin activator. | c. Thrombin.   |
| b. Thromboxan A2.         | d. Fibrinogen. |

7- Which of the following is CORRECT regarding peripheral chemoreceptors:

- |  |   |
|--|---|
| a. Its stimulation induce bradycardia. | c. Mainly stimulated by alkalosis.            |
| b. Mainly stimulated by hypoxia.       | d. Its stimulation decrease respiratory rate. |

**Look to back**

- 8- Pain sensation is characterized by which of the following :
- Its receptors are rapidly adapted .
  - Its receptors are moderately adapted.
  - Its receptors are free nerve endings.
  - Carried by dorsal column of the spinal cord.
- 9- Glucocorticoids could decrease blood level of :
- Free fatty acids.
  - Glucose.
  - Esinophils.
  - RBCs.
- 10- Which of the following is CORRECT regarding referred pain :
- Could explained by dorsal root branching mechanism.
  - Could explained by convergence facilitation mechanism.
  - Never occur with visceral pain.
  - Always occur with cutaneous pain.
- 11- Which of the following could increase heart rate:
- Stimulation to beta 1 adrenergic receptors.
  - Venodilatation.
  - Stimulation to muscarinic receptors.
  - Stimulation to arterial baroreceptors.
- 12- Intrinsic mechanism of blood coagulation is initiated by:
- Contact with rough surface.
  - Injury to blood vessels.
  - Activation of factor X.
  - Activation of factor VII.
- 13- Vasodilatation of arterioles could induce :
- Increase peripheral vascular resistance.
  - Decrease venous return.
  - Decrease central venous pressure.
  - Decrease peripheral vascular resistance .
- 14- Which of the following could induce respiratory alkalosis:
- Restrictive lung disease.
  - Renal failure.
  - Hypoventilation.
  - Hyperventilation.
- 15- Which of the following is CORRECT as regard blood PH:
- Inversely proportionate with arterial  $\text{HCO}_3$ .
  - Directly proportionate with arterial  $\text{PCO}_2$ .
  - Directly proportionate with arterial  $\text{HCO}_3$ .
  - Normally equal 7.1 for arterial blood.

Path. examination of master degree in: gynecology and obstetric  
Code No.: OBGYN 7003  
date: 23/2/2022  
term: February 2022  
time allowed: 3 hours  
total assessment marks: 30

---



Tanta University  
Faculty of Medicine  
Department of: pathology

---

<i>Questions Number</i>	<i>Marks</i>
Q1- Write the classification of necrosis.	3
Q2- Compare in table between acute and chronic inflammations.	3
Q3- Whate about types of uterine tumours.	6
Q4- Discuss the pathology of sex cord- stromal ovarian tumours	12
Q5- Comment about of cervical smears.	6

*NB: Time of oral exam.: Monday : 7/3/2022--- 10 A.M.*

---

26/2/2002

جامعة طنطا-كلية الطب  
قسم الميكروبيولوجيا الطبية و المناعة

**MICROBIOLOGY EXAM OF MASTER OF  
GYNECOLOGY & OBSTETRICS**

1. Mention the different causes of urinary tract infection during pregnancy (5 Marks)
2. Discuss briefly the clinical picture of bacterial vaginosis (5 Marks)
3. Mention the methods of transmission of Neisseria Gonorrhoea (5 Marks)
4. Discuss briefly different prophylaxis measures against puerperal sepsis (5 Marks)
5. Give a short account on rubella virus (5 Marks)
6. Enumerate the different complications of antimicrobial chemotherapy (5 Marks)

Total marks 30

**GOOD LUCK**

**Oral exam 7<sup>th</sup> march**

**HEAD OF THE DEPARTEMENT**

PROF.DR/ MOHAMED ZAKARIA HUSSEIN