

Dermatology & Venereology Department

Mycology Exam

22 February 2018

Diploma degree

Time: 1 hour

Mention types of :

- Sexual spores of fungi (2 marks)
- Zoophilic dermatophytes (2 marks)
- Microconidia (2 marks)

Discuss:

- Clinical types of tinea capitis (4 marks)
- Laboratory investigations for a case of pityriasis versicolor (5 marks)

سيعد الامتحان الشفوي يوم الاثنين الموافق ٢٦ فبراير
الساعة التاسعة صباحا بقسم الجلدية بالعيادة الشاملة

Date:22/2/2018
Examination For Diploma Dermatology
Term: Final
Course Title: Physiology
Time Allowed: Three Hours
All questions are to be answered:

Tanta University
Faculty Of Medicine
Department Of Physiology
Course Code: DERMVEN 7001
Total Assessment Marks: 60

- 1-discuss cutaneous pain sensation and cutaneous hyperalgesia and its mechanism. (20 marks)
2-Explain spermatogenesis, factors affecting and testicular function. (20 marks)
3 -Choose the most probable answer: (20 marks)

1-The function of Sertoli cells include all of the following Except:

- a)Secretion of inhibin and an endogen binding protein
- b)Nutrition of the sperms
- c)Secretion of testosterone
- d)Formation of blood testes barrier

2-Spermatogenesis need the following:

- a)Testosterone hormone
- b)35°C temperature
- c)Vitamin A
- d)All of the above

3-Cryptorchidism:

- a)The testes are more larger than normal
- b)Spermatogenesis normal
- c)The subject is fertile
- d)Testes are not present in the scrotum

4-The secretion of the seminal vesicles:

- a)Contributes to about 20% of the total volume of semen
- b)Is rich in fibrinolysin that liquefies the semen
- c)High fructose content
- d)Is not essential for nutrition of the sperms

5-The testicular androgen include all of the following Except:

- a)They are essential for maturation the external genitalia
- b)They are essential for spermatogenesis
- c)They increase the secretion of sebaceous glands
- d)They produced marked negative nitrogen balance

6-Human spermatozoa:

- a)Are produced at Faster rate when the testicular temperature is raised from 35 to 37°C
- b)Are actively motile in the seminiferous tubules
- c)Contain 46 chromosome
- d)They are normally stored in the seminal vesicle before ejaculation

7-The Weber-Fechner law states that:

- a)Each receptor is most sensitive to a specific form of energy
- b)The receptors are extremely excitable tissue
- c)The rate of discharge from the receptors is directly proportional to the logarithm of the stimulus intensity
- d)The receptor potential can be summated

8-Sensory coding is:

- a)Ability of the brain to discriminate the modality of sensation
- b)Ability of the brain to localize sensation
- c)Ability of the brain to discriminate the intensity of sensation
- d)All of the above

9-The pain control mechanism include the following hormones Except:

- a)Beta endorphin
- b)Enkephalin
- c)Serotonin
- d)Bradykinin

10-Hyperalgesia

- a)It is a physiological condition
- b)Primary hyperalgesia is due to lesion in the CNS
- c)The pain threshold is lowered in the primary hyperalgesia
- d)Occurs in healthy skin

11- Referred pain include the all of the following Except:

- a) It is a major manifestation of visceral pain
- b) It is explained by convergence- projection theory
- c) It always accompanies coetaneous pain
- d) Due to migration of organs during development

13- Testosterone hormone release is controlled by:

- a) LH hormone
- b) LH releasing factor
- c) Testosterone level
- d) All of the above

15- In tabs dorsalis:

- a) The fine sensations are present
- b) The dorsal column of the spinal cord is intact
- c) A negative Romberg's sign
- d) Show the signs of sensory ataxia

17- The following hormones affect sweat secretions Except:

- a) Aldosterone
- b) Calcitonin
- c) Thyroxin
- d) Acetylcholine

19- The protopathic sensations is characterized by:

- a) It is well localized
- b) It is perceived at the thalamus
- c) The cerebral cortex is essential for its perception
- d) It is never produced exaggerated central response

12- Skin pigmentation occurs in :

- a) Cushing's Syndrome
- b) Addison's disease
- c) Increase the ACTH in the blood
- d) All of the above

14- The cutaneous pain has all of the following properties Except:

- a) It is rapidly abolished by local anesthetic drugs
- b) It never radiates
- c) It initiate the protective withdrawal reflex
- d) It is sharp and localized pain

16- Eccrine sweat glands are innervated by:

- a) Sympathetic noradrenergic fibers
- b) Sympathetic cholinergic fibers
- c) Parasympathetic vasodilator fibers
- d) Parasympathetic secretory fibers

18- Syringomyelia shows of the following Except:

- a) Loss of pain and temperature sensation in the opposite side
- b) Shows jacket distribution
- c) Loss of fine sensation
- d) Due to degeneration around the central canal

20- Apocrine sweat glands are:

- a) Supplied by sympathetic cholinergic fibers
- b) Sharing in body temperature regulation
- c) Located all over the body
- d) None of the above

الامتحان الشفوي يوم الأربعاء ٢٠١٨/٢/٢٨ الساعة الثامنة والنصف صباحا بقسم الفسيولوجي