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**B. Pharmacy (Semester – II) (CBCS) (Old) Examination, 2018  
ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION – II**

Day and Date : Tuesday, 18-12-2018  
Time : 2.30 p.m. to 5.30 p.m.

Max. Marks : 70

1. Multiple Choice questions.

(1×15=15)

- 1) In a healthy adult the glomerular filtration rate is about  
A) 100 ml/min    B) 125 ml/min  
C) 150 ml/min    D) 175 ml/min
- 2) The light bands contain only actin filaments and are called  
A) F                                      B) G                                      C) H                                      D) I
- 3) The membrane potential is caused by diffusion of  
A) Na<sup>+</sup>ions    B) K<sup>+</sup>ions  
C) Both A and B    D) Na<sup>+</sup>K<sup>+</sup>pump
- 4) Hyper secretion of pituitarism causes \_\_\_\_\_ after puberty.  
A) gigantism    B) acromegaly  
C) dwarfism    D) hypogonadism
- 5) Composition of semen is  
A) mineral    B) mucus  
C) glucose    D) all of the above
- 6) Malaria is a \_\_\_\_\_ type of infection.  
A) Respiratory    B) Intestinal  
C) Anthropod borne    D) Surface
- 7) The puberty occurs in male between the ages of  
A) 8 to 10 years    B) 10 to 14 years  
C) 14 to 18 years    D) other than A, B and C
- 8) \_\_\_\_\_ is a causative agent of whooping cough.  
A) Influenza virus A    B) Corynebacterium  
C) Bordetella pertusis    D) Mycobacterium

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- 9) Function of hypothalamus include control of  
A) appetite  
B) thirst  
C) body temperature  
D) all of the above
- 10) In male \_\_\_\_\_ stimulates the production of spermatozoa.  
A) Follicle stimulating hormone  
B) Lutening hormone  
C) Growth hormone  
D) Thyrotrophic hormone
- 11) Low count of sperm results in infertility termed as  
A) Azotospermia  
B) Testes descends  
C) Cryptus childism  
D) Dwarfism
- 12) A pregnant woman usually develops hypochromic anemia because from diet mother does not absorb sufficient  
A) protein  
B) calcium and phosphate  
C) iron  
D) all of the above
- 13) The kidneys are \_\_\_\_\_ in colour.  
A) dark red  
B) dark blue  
C) black  
D) dark yellow
- 14) Specific gravity of cerebrospinal fluid is  
A) 1.02  
B) 1.04  
C) 1.005  
D) 1.0005
- 15) \_\_\_\_\_ is a coloured part of the eye.  
A) Iris  
B) Ciliary body  
C) Cornea  
D) lens
2. Solve **any five**. **(5×5=25)**
- A) Give the structure of nephron, add single functions of ureter, urinary bladder and urethra.
- B) Explain steps involved in muscle contraction.
- C) Give structure and functions of cerebrum.
- D) Name the hormones of anterior pituitary gland and mention their functions.
- E) Draw a neat labeled diagram of eye. Discuss the physiology of vision in short.
- F) Differentiate the male and female reproductive systems.



3. Solve **any three**.

**(10×3=30)**

- A) Discuss the causative organism, symptoms, mode of transmission, preventive measures and treatment of measles and add a note on cancer.
  - B) Uterus in detail. Add note on ovulation.
  - C) Enumerate the hormones of adrenal gland with their functions.
  - D) What is nervous system ? Classify it and explain distribution and functions of each division.
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