



# BIOLOGY

## BOOKS - TRUEMAN BIOLOGY

### AIPMT-2014(HUMAN PHYIOLOGY )

#### Mcqs

1. Select the correct matching of the type of the joint with the example in human skeletal system

A. Cartilaginous joint –Between frontal and parietal

B. Pivot joint –between third and fourth cervical vertebrae

C. Hinge joint –Between humerus and pectoral girdle

D. Gliding joint –Between carpals

**Answer:**



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2. Injury localized to the hypothalamus would most likely disrupt

1. Regulation of body temperature

2. Short - term memory

3. Co-ordination during locomotion

4. Executive functions, such as decision making

A. Regulation of body temperature

B. Short-term memory

C. Co-ordination during locomotion

D. Executive functions, such as decision making

**Answer:**



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3. Identify the hormone with its correct matching of source and function

A. Atrial natriuretic factor - ventricular wall  
increases the blood

pressure

B. Oxytocin - posterior pituitary, growth and maintenance of mammary glands

C. Melatonin - pineal gland, regulates the normal rhythm of sleepwake cycle.

D. Progesterone - corpus luteum, stimulation of growth and activities of female secondary sex organs

**Answer:**



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4. The shared terminal duct of the reproductive and urinary system in the human male is

A. Vasa efferentia

B. Urethra

C. Ureter

D. Vas deferens

**Answer:**



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5. How do parasympathetic neural signals affect the working the heart

A. Heart rate decreases but cardiac output increases

B. Reduce both heart rate and cardiac output

C. Heart rate is increased without affecting the cardiac output

D. Both heart rate and cardiac output increase

**Answer:**



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6. Person with blood group AB is considered as universal recipient because he has

A. Both A and B antigens in the plasma but no antibodies



B. Both A and B antigens on RBC but no antibodies in the plasma

C. Both A and B antibodies in the plasma

D. No antigen on RBC and no antibody in the plasma

**Answer:**



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7. Assisted reproductive technology, IVF involves transfer of

- A. Embryo with 16 blastomeres into the fallopian tube
- B. Ovum into the fallopian tube
- C. Zygote into the fallopian tube
- D. Zygote into the uterus

**Answer:**



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**8. Fight or flight reaction cause activation of**

- A. The pancreas leading to a reduction in the blood sugar levels
- B. The parathyroid glands, leading to increased metabolic rate
- C. The kidney, leading to suppression of renin-angiotensin-aldosterone pathway
- D. The adrenal medulla, leading to increased secretion of epinephrine and

norepinephrine

**Answer:**



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9. Fructose is absorbed into the blood through mucosa cells of intestine by process called

A. Co-transport mechanism

B. Active transport

C. Facilitated transport

D. Simple diffusion

**Answer:**



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**10.** The main function of mammalian corpus luteum is to produce:

A. relaxin only

B. estrogen only

C. progesterone

D. human chorionic gonadotropin

**Answer:**



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**11. Choose the correctly matched pair**

A. Inner surface of bronchioles - squamous epithelium

B. Inner lining of salivary ducts - Ciliated  
epithelium

C. Moist surface of buccal cavity - Glandular  
epithelium

D. Tubular parts of nephrons - Cuboidal  
epithelium

**Answer:**



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12. Approximately seventy percent of carbon dioxide absorbed by the blood will be transported to the lungs

A. As carbamino-haemoglobin

B. As bicarbonate ions

C. In the form of dissolved gas molecules

D. By binding to R.B.C.

**Answer:**



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**13.** Stimulation of muscle fibre by a motor neuron occurs at

- A. The sacroplasmic reticulum
- B. The neuromuscular junction
- C. The transverse tubules
- D. The myofibril

**Answer:**



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**14.** Tubectomy is a method of sterilization in which

- A. Uterus is removed surgically
- B. Small part of the fallopian tube is removed or tied up.
- C. Ovaries are removed surgically
- D. Small part of vas deferens is removed or tied up

**Answer:**



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15. The initial step in digestion of milk in infant is carried out by

- A. Pepsin
- B. Lipase
- C. Trypsin
- D. Rennin

**Answer:**



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**16.** Which one of the following statements is not correct ?

A. Rhodopsin is the purplish red protein present in rods only

B. Retinal is the light absorbing portion of visual photo pigments

C. In retina the rods have the photo pigment rhodopsin while cones have three different photopigments

D. Retinal is a derivative of Vitamin C

**Answer:**



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**17.** Which of the following is a hormone releasing Intra Uterine Device (IUD).

A. Vault

B. MulUload 375

C. LNG-20

D. Cervical cap

**Answer:**



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**18.** Which of the following causes an increase in sodium reabsorption in the distal convoluted tubule

- A. Decrease in antidiuretic hormone levels
- B. Increase in aldosterone levels

C. Increase in antidiuretic hormone levels

D. Decrease in aldosterone levels

**Answer:**



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**19.** Choose the correctly matched pair

A. Cartilage - Loose connective tissue

B. Tendon Specialized connective tissue

C. Adipose tissue tissue -Dense connective

D. Areolar tissue - Loose connective tissue

**Answer:**



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