



BIOLOGY

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BIOLOGY (HINGLISH)

AIPMT-2014(HUMAN PHYSIOLOGY)

Mcqs

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

system



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2. Injury localized to the hypothalamus would mostly likely disrupt

A. Regulation of body temperature

B. Short-term memory

C. Co-ordination during locomotion

D. Executive functions, such as decision making

Answer: A



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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: C



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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: B



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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: B



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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 to 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 reactions 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: D



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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: B



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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: B



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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: D



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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: D



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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: B



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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: D



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