

# PRIMARY SCIENCE

KCPE MODEL TEST PAPER ON HUMAN BODY

*Based on KCPE 2001-2010 Past Papers*

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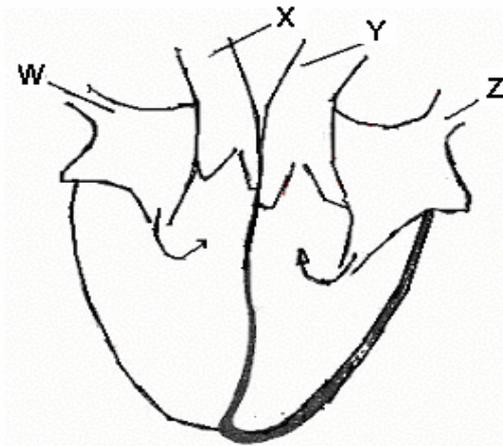
Primary Science Series: Revision Guide for Standards 6, 7 and 8

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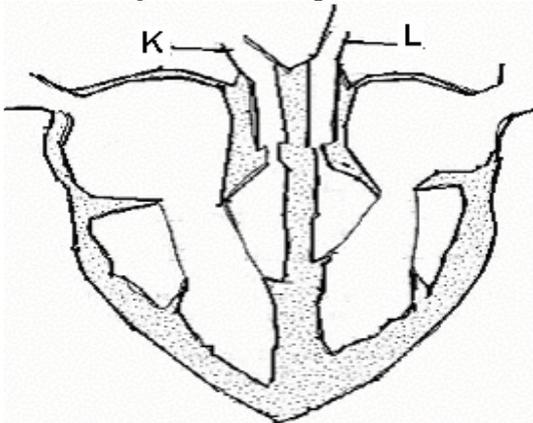
1. Which one of the following is not a function of placenta?
  - A. To allow passage of dissolved food materials to the embryo
  - B. To protect the embryo from shock
  - C. To prevent harmful materials from reaching the baby
  - D. To allow exchange of gases between the mother and the embryo
2. Which one of the following statements is NOT true about all arteries?
  - A. They carry blood away from heart
  - B. They have thick walls
  - C. Blood pressure in them is high
  - D. They carry blood rich in oxygen
3. Digestion of food does not take place in the?
  - A. Small intestines
  - B. Large intestines
  - C. Stomach
  - D. Mouth
4. The diagram below represents a human heart.



Which one of the following is represented by blood vessels W,X, Y and Z?

- |                               |                      |                    |
|-------------------------------|----------------------|--------------------|
| <b>A.</b> Aorta (W)           | Vena cava (X)        | Pulmonary vein (Y) |
| Pulmonary artery (Z)          |                      |                    |
| <b>B.</b> Pulmonary artery(W) | Aorta (X)            | Vena cava (Y)      |
| Pulmonary artery (Z)          |                      |                    |
| <b>C.</b> Pulmonary vein (W)  | pulmonary artery (X) | Vena cava (Y)      |
| Aorta (Z)                     |                      |                    |
| <b>D.</b> Vena cava (W)       | Pulmonary artery (X) | Aorta (Y)          |
| Pulmonary artery (Z)          |                      |                    |

5. Which of the following is a function of rectum?
- A. Absorbs digested food
  - B. Stores undigested matters
  - C. Completes digestion of food
  - D. Absorbs water
6. The function of haemoglobin in the blood is to?
- A. Cause clotting of blood
  - B. Fight germs
  - C. Transport food substances
  - D. Combine with oxygen
7. Which one of the following is formed first after fertilization?
- A. Sex cell
  - B. Embryo
  - C. Zygote
  - D. Foetus
8. Which one of the following waste materials is not a product of excretion?
- A. Carbon dioxide
  - B. Urine
  - C. Sweat
  - D. Feaces
9. The diagram below represents a section of heart.



- Which one of the following statements is true?
- A. K has valve while L has no valves
  - B. carries blood into the heart whereas L takes it out
  - C. carries deoxygenated blood whereas L carries oxygenated blood
  - D. has no valves whereas L has valves

10. Which one of the following correctly shows the path taken by urine from kidney?

- A. Urethra → Bladder → ureter
- B. Ureter → urethra → bladder
- C. Ureter → bladder → urethra
- D. Urethra → bladder → ureter

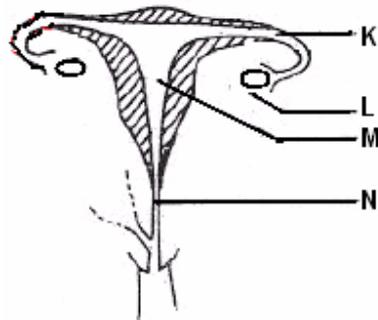
11. Sweat gland in the skin of human body are located in the?

- A. Oil glands
- B. Dermis
- C. Pores
- D. Epidermis

12. Which of the following parts of human body produces urine?

- A. Urethra
- B. Ureter
- C. Kidney
- D. Bladder

13. The shown diagram represents the reproductive system of a female human body.



Fertilization takes place in part labeled?

- A. N
- B. L
- C. M
- D. K

14. The following are some of the physical changes that take place during adolescence.

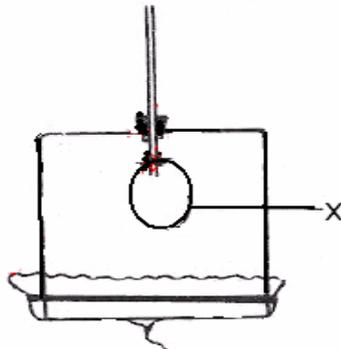
- i. Hips become broader
- ii. Chest and shoulders become broader
- iii. Pimples may appear on the face
- iv. Voice breaks
- v. Pubic hair grows

Which one of the changes takes place in girls?

- A. (i) (ii) (v)
- B. (i) (iii) (v)
- C. (ii) (iv) (v)
- D. (i) (ii) (iv)

15. Which one the following is NOT CORRECTLY matched with its function?
- | <i>Part</i>         | <i>Function</i>             |
|---------------------|-----------------------------|
| A. Oesophagus       | passage of food             |
| B. Small intestines | completes digestion of food |
| C. Stomach          | mixes food with enzymes     |
| D. Large intestines | completes digestion of food |
16. Which one of the following is not correct statement about reproduction in human beings?
- A. Fertilization takes place in uterus
  - B. Menstruation stops during pregnancy
  - C. The blood of mother and foetus do not mix
  - D. The zygote gets implanted in the walls of uterus
17. The blood vessel through which deoxygenated blood flows to the heart is called?
- A. Pulmonary artery
  - B. Aorta
  - C. Vena cava
  - D. Pulmonary vein
18. Which of the following changes takes place during adolescence in boys only?
- A. Release of sex cells
  - B. Fast body growth
  - C. Chest and shoulders become broader
  - D. Growth of pubic hair
19. Absorption of water in human being alimentary canal takes place in the?
- A. Duodenum
  - B. Small intestines
  - C. Stomach
  - D. Large intestines
20. Which of the following is not an excretory organ?
- A. Lung
  - B. Skin
  - C. Kidney
  - D. Rectum
21. When breathing in, the
- A. Diaphragm flattens
  - B. Volume of chest decreases
  - C. Lungs shrinks
  - D. Diaphragm becomes dome shaped

22. Which of the following components of blood is involved in clotting after injury?
- A. Plasma
  - B. Red blood cells
  - C. White blood cells
  - D. Platelets
23. Which of the following shows the correct order of the blood flow in the heart?
- A. Vena cava → pulmonary artery → pulmonary vein → aorta
  - B. Aorta → pulmonary vein → vena cava → pulmonary artery
  - C. Pulmonary vein → aorta → pulmonary artery → vena cava
  - D. Pulmonary artery → vena cava → pulmonary vein → aorta
24. Which of the following is not correct statement about foetus?
- A. Waste product are removed through the placenta
  - B. The blood of the mother and of foetus mix
  - C. Receives blood through placenta
  - D. Receives food substances through mother blood
25. The diagram below represents a model that can be used to demonstrate breathing of human beings.



The part labeled X represent

- A. Ribs
  - B. Lungs
  - C. Chest
  - D. Diaphragm
26. Bile mixes with food in the?
- A. Small intestine
  - B. Duodenum
  - C. Large intestine
  - D. Stomach

27. The table below shows parts of human digestion system and their functions.

Part	Function
Small intestine	Absorption of water
Stomach	Y
X	Absorption of water

Which one of the following represents X and Y?

- |                     |                            |
|---------------------|----------------------------|
| X                   | Y                          |
| A. Oesophagus       | passage of food            |
| B. Large intestines | digestion of food          |
| C. Rectum           | storage of undigested food |
| D. Mouth            | taking in food             |

28. Which one of the following about blood circulation is TRUE?

- A. Aorta receives oxygenated blood from the left auricle
  - B. Pulmonary vein takes oxygenated blood to the lungs
  - C. Pulmonary artery receives deoxygenated blood from the right ventricle
  - D. Oxygenated blood from lungs is received by aorta
-

**ANSWERS**

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