ENGLAND GCSE BIOLOGY EDEXCEL HIGHER · UNIT 8 · 25 QUESTIONS

Exchange and Transport in Animals — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button so it can be fixed.

1 **A passenger train travels at a steady speed. What is its acceleration?**

- **A** 1 m/s²
- **B** 9.8 m/s²
- **C** 0 m/s²
- **D** 10 m/s²

Understand It with Pulse | Flag a mistake

2 **Hardcover books have mass. What is mass measured in?**

A kilograms

B joules

C newtons, the unit of force

D watts

Understand It with Pulse | Flag a mistake

3 **A school lunch tray holds a meal with milk. Which nutrient is milk rich in?**

A iron

B vitamin C

C calcium

D fibre

Understand It with Pulse | Flag a mistake

4 **A thermometer is placed in hot water. What happens to the liquid inside the thermometer?**

- A it contracts
- B it expands
- C it freezes
- D it evaporates

Understand It with Pulse | Flag a mistake

5 **A yellow school bus stops at a station. What happens to its speed?**

- A it becomes negative
- B it stays the same
- C it increases
- D it becomes zero

Understand It with Pulse | Flag a mistake

6 **Eggs can carry Salmonella bacteria. What should you do before eating eggs?**

A cook them thoroughly

B leave them in the sun

C eat them raw

D wash them in cold water

Understand It with Pulse | Flag a mistake

7 **Which blood cells contain haemoglobin?**

A red blood cells

B platelets

C white blood cells

D plasma cells

Understand It with Pulse | Flag a mistake

8 **A person breathes 12 times per minute. How many breaths is that in one hour?**

- A 720
- B 780
- C 660
- D 1440

Understand It with Pulse | Flag a mistake

9 **A heart beats 60 times per minute and pumps 70 mL per beat. What is the cardiac output in mL per minute?**

- A 3700 mL/min
- B 4700 mL/min
- C 8400 mL/min
- D 4200 mL/min

Understand It with Pulse | Flag a mistake

10 **A heart beats 60 times per minute. How many beats is that in one hour?**

- A 4200
- B 3000
- C 3600
- D 7200

Understand It with Pulse | Flag a mistake

11 **Why do alveoli have a good blood supply?**

- A to carry gases away quickly
- B to keep the lungs warm at all times
- C to filter dust out of the air
- D to make the alveoli larger

Understand It with Pulse | Flag a mistake

12 **What is plasma?**

A the cells that fight infection in the body

B the protein that helps blood to clot

C the liquid part of the blood

D the cells that carry oxygen around the body

Understand It with Pulse | Flag a mistake

13 **Which component of blood carries oxygen?**

A white blood cells

B red blood cells

C plasma

D platelets

Understand It with Pulse | Flag a mistake

14 **A heart beats 75 times per minute. Each beat pumps 60 mL of blood. Calculate the cardiac output in mL per minute.**

- A 2250
- B 9000
- C 4600
- D 4500

Understand It with Pulse | Flag a mistake

15 **What do valves in the heart do?**

- A filter the blood
- B slow the heartbeat down
- C stop blood flowing back
- D push blood into the lungs

Understand It with Pulse | Flag a mistake

16 **What is soda lime for in a respirometer?**

A it keeps the organism warm

B it releases oxygen for the organism

C it absorbs carbon dioxide

D it stops water getting in

Understand It with Pulse | Flag a mistake

17 **What do platelets do?**

A carry hormones around the body

B fight infection

C carry oxygen to tissues

D help blood to clot

Understand It with Pulse | Flag a mistake

18 **A person breathes 20 times per minute. How many breaths is that in one hour?**

- A 2400
- B 1140
- C 1200
- D 1260

Understand It with Pulse | Flag a mistake

19 **A heart beats 70 times per minute and pumps 80 mL per beat. What is the cardiac output in mL per minute?**

- A 5600 mL/min
- B 11200 mL/min
- C 5100 mL/min
- D 6100 mL/min

Understand It with Pulse | Flag a mistake

20 **A heart beats 80 times per minute. How many beats is that in one hour?**

- A 4800
- B 5400
- C 4200
- D 9600

Understand It with Pulse | Flag a mistake

21 **What happens to the diaphragm when breathing in?**

- A it stops the ribs from moving
- B it contracts and pushes air out
- C it flattens
- D it relaxes and moves upwards

Understand It with Pulse | Flag a mistake

22 **What is the job of an artery?**

A to exchange substances with tissues

B to carry blood towards the heart

C to carry blood from the heart

D to filter the blood

Understand It with Pulse | Flag a mistake

23 **A heart beats 75 times per minute. Each beat pumps 70 mL of blood. Calculate the cardiac output in mL per minute.**

A 5350

B 10500

C 2625

D 5250

Understand It with Pulse | Flag a mistake

24 **What is a natural pacemaker?**

A cells that set the heartbeat

B a valve that opens and closes

C a nerve from the brain

D a machine fitted in the chest

Understand It with Pulse | Flag a mistake

25 **What does a respirometer measure?**

A carbon dioxide uptake by the organism

B oxygen uptake

C the temperature of the organism

D the mass of the organism

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. C
2. A
3. C
4. B
5. D
6. A
7. A
8. A
9. D
10. C
11. A
12. C
13. B
14. D
15. C
16. C
17. D
18. C
19. A
20. A
21. C
22. C
23. D
24. A
25. B

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