ENGLAND GCSE BIOLOGY OCR GATEWAY HIGHER · UNIT 3 · 25 QUESTIONS

Organism Level Systems — 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 yellow school bus carries children to school. Which blood vessel carries blood away from the heart, like a bus leaving the station?**

- A a ventricle
- B an artery
- C a capillary
- D a vein

Understand It with Pulse | Flag a mistake

2 **Hardcover books are dropped. What happens to their speed as they fall?**

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

Understand It with Pulse | Flag a mistake

3 **A thermometer measures temperature in degrees Celsius. What is the freezing point of water on this scale?**

- A 10
- B 32
- C 100
- D 0

Understand It with Pulse | Flag a mistake

4 **A school lunch tray holds a meal. Why do we need food?**

- A to feel full after eating
- B for fun only, not for health
- C for energy and growth
- D to stay awake at night

Understand It with Pulse | Flag a mistake

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

- A leave them in the sun
- B wash them in cold water
- C cook them thoroughly
- D eat them raw

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6 **A wristwatch ticks every second. How many ticks in a minute?**

- A 30
- B 12
- C 100
- D 60

Understand It with Pulse | Flag a mistake

7 **Which plant hormone makes shoots bend towards light?**

A gibberellin

B insulin

C ethene

D auxin

Understand It with Pulse | Flag a mistake

8 **What is a risk factor for type 2 diabetes?**

A being overweight

B eating vegetables

C exercising daily

D being underweight

Understand It with Pulse | Flag a mistake

9 **What causes type 2 diabetes?**

A the kidneys remove too much glucose

B the pancreas makes no insulin

C cells stop responding to insulin

D the liver makes too much insulin

Understand It with Pulse | Flag a mistake

10 **Blood glucose falls from 10 mmol per litre to 5 mmol per litre. What is the fall?**

A 4 mmol/L

B 5 mmol/L

C 6 mmol/L

D 7 mmol/L

Understand It with Pulse | Flag a mistake

11 **What do gibberellins do?**

A they start germination

B they bend shoots to light

C they stop roots growing

D they ripen fruit

Understand It with Pulse | Flag a mistake

12 **What is the job of a receptor?**

A to make a response

B to carry a message

C to store information

D to detect a change

Understand It with Pulse | Flag a mistake

13 **What does progesterone do?**

A it triggers ovulation

B it thickens the lining before ovulation

C it maintains the uterus lining

D it stimulates eggs to mature

Understand It with Pulse | Flag a mistake

14 **What happens when ADH levels are low?**

A a small volume of concentrated urine

B a large volume of dilute urine

C a small volume of dilute urine

D no urine at all

Understand It with Pulse | Flag a mistake

15 **What does ADH do?**

A stops the kidneys working

B decreases water reabsorption

C increases water reabsorption

D increases urine volume

Understand It with Pulse | Flag a mistake

16 **Where is body temperature monitored?**

A in the liver

B in the brain

C in the heart

D in the skin only

Understand It with Pulse | Flag a mistake

17 **What is the name for the gap between two neurones?**

A a dendron

B a receptor

C an effector

D a synapse

Understand It with Pulse | Flag a mistake

18 **Body temperature is 37 degrees Celsius. It rises by 3 degrees. What is the temperature now?**

A 42 degrees Celsius

B 39 degrees Celsius

C 40 degrees Celsius

D 41 degrees Celsius

Understand It with Pulse | Flag a mistake

19 **What does glucagon do?**

A it stops the liver releasing glucose

B it lowers blood glucose

C it stores glucose as glycogen

D it raises blood glucose

Understand It with Pulse | Flag a mistake

20 **Blood glucose falls from 8 mmol per litre to 4 mmol per litre. What is the fall?**

A 3 mmol/L

B 4 mmol/L

C 5 mmol/L

D 6 mmol/L

Understand It with Pulse | Flag a mistake

21 **What do auxins control in plants?**

A the germination of seeds

B the ripening of fruit

C growth towards light

D the opening of flowers

Understand It with Pulse | Flag a mistake

22 **Which neurone carries the impulse from the receptor to the CNS?**

A a relay neurone

B a sensory neurone

C a motor neurone

D an effector neurone

Understand It with Pulse | Flag a mistake

23 **What is vasodilation?**

A blood vessels near the skin narrow

B sweat glands close

C the heart beats faster

D blood vessels near the skin widen

Understand It with Pulse | Flag a mistake

24 **What is IVF?**

A a type of contraception used by couples

B fertilisation inside the womb

C a hormone treatment for diabetes

D fertilisation outside the body

Understand It with Pulse | Flag a mistake

25

What is urea?

A a sugar stored in the liver

B waste from protein breakdown

C a salt lost in sweat

D a hormone that controls water

Understand It with Pulse

Flag a mistake

ANSWER KEY

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

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