



# BIOLOGY

## BOOKS - TRUEMAN BIOLOGY

### Drug Addiction

#### Assertion And Reason

1. [A]: Overuse improper use of antibiotics is harmful.

[R]: It may exterminate the microflora which produces antibiotics

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: A**



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2. [A]: In alcoholic drink the alcohol is converted into glucose in liver.

[R]: Liver cells are able to produce glucose from alcohol.

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: D**



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**3. [A]:** Morphine is most effective analgesic.

**[R]:** It binds to the post synaptic membrane & blocks the binding of neuro transmitters

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: A**



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4. [A]: The carrier protein cytochrome P450 detoxifies the harmful contents present in

cigarette smoke in the lungs.

[R]: This is the sole role of cyt P450.

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: C**



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5. [A]: Alcoholism and tobacco smoking are regarded social diseases.

[R]: Because both adversely affect the families of sufferers

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: B**



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**6. [A]:** Smoking stimulates secretion of gastric juice in stomach even when stomach is empty.

**[R]:** It is aimed at quickening the digestion of food when taken



- A. If both A and R are true and R is the correct explanation of A
- B. If both A and R are true but R is not the correct explanation of A
- C. If A is true and R is false
- D. If both A and R are false

**Answer: C**



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7. [A]: Alcohol intake during pregnancy is not advisable.

[R]: Alcohol causes foetal alcohol syndrome (FAS).

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: A**



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**8. [A]:** Smoking causes cancer of tongue, lips & lungs.

**[R]:** It inactivates P 53 genes

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: A**



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9. [A]: In low degree smoking is helpful

[R]: In low doses, nicotine stimulates con-  
duction of nerves impulses & relaxes the  
muscles

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: A**



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**10.** Assertion. Alcohol is taken as a stimulant by drunkards.

Reason. Alcohol improves the conduction of nerve impulses, making the person alert.

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: D**



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**11. [A]:** Blood pressure can be measured with a sphygmomanometer in the arm.

**[R]:** In our body, blood flows with a great pressure only through arms

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: C**



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**12. [A]:** Oxygenator acts as artificial kidney.

**[R]:** Oxygenator machine completely takes over the functions of heart as well as lung.



A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: D**



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13. [A]: Perfluorocarbon can act as the substitute of blood.

[R]: Perfluorocarbon has some properties of blood

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: A**



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**14.** [A]: Repeated use of CT scanning is harmful.

[R]: IN CT scanning. X-ray is used.

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: A**



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**15. [A]:** The "balloon pump" is used to assist the heart.

**[R]:** Balloon is used when heart is removed from the body.

- A. If both A and R are true and R is the correct explanation of A
- B. If both A and R are true but R is not the correct explanation of A
- C. If A is true and R is false
- D. If both A and R are false

**Answer: C**



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**16.** [A]: Gene therapy has been employed to correct certain diseases like combined immune deficiency syndrome (SCID).

[R]: Gene therapy can be applied to certain specific diseases.

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: B**



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**17. [A]:** While undergoing MRI, patients having pacemaker should take some care.

**[R]:** MRI does not affect pacemaker.

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: C**



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**18. [A]:** For accurate measurement of Doppler echocardiography the frequency of ultrasound waves should be noticed.



[R]: Ultrasound beam can be as close to parallel.

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: B**



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**19.** [A]: Person having increased blood urea level suffers from kidney disease.

[R]: Urea cycle operates in kidney.

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: C**



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**20. [A] :** Ultrasound (in sonography ) is the sound beyond the range of human hearing

**[R] :** Vibrations crystals is the source of ultrasound

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

**Answer: B**



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