



# BIOLOGY

**BOOKS - TRUEMAN BOOK COMPANY**

**BIOLOGY (HINGLISH)**

## Viruses

### Assertion And Reason

1. [A] : Viruses are obligate parasites .

[R] : Viruses can not multiply outside the host .

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:**



**Watch Video Solution**

2. [A] : Viruses are not included in any kingdom of classification .

[R] : Viruses are not cells as they lack cytoplasm .

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:**



**Watch Video Solution**

3. [A] : Viruses are easily killed by strong broad spectrum antibiotics .

[R] : Antibiotics act as antigen& trap viruses .

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:**



**Watch Video Solution**

4. [A] : Outside the host , viruses do not survive .

[R] : Viruses are obligate aerobic .

- 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:**



**Watch Video Solution**

5. [A] : AIDS virus is highly mutable

[R] : It lacks DNA polymerase to repair its mutated genome

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:**



**Watch Video Solution**

6. [A] : Infective part of virus is its nucleic acid .

[R] : During infection , only the nucleic acid of virus enters in to the host cell .

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:**



**Watch Video Solution**

7. [A] : Viruses are exception to cell theory .

[R] : Viruses don't have a defined nucleus and cytoplasm .

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:**



**Watch Video Solution**

8. [A] : SARS Originated in China .

[R] : China is most crowded country of world .

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:**





9. [A] : Viruses are not considered organisms .

[R] : Viruses lack cytoplasm and metabolic machinery .

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:**



**Watch Video Solution**

**10. [A] :** Viruses lack any kind of enzymatic machinery .

**[R] :** They can respire only inside host cell .

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:**



**Watch Video Solution**

**11. [A] :** Viruses are causative organisms of measles and rabies .

[R] : They are connecting link between living and nonliving .

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:**



**Watch Video Solution**

12. [A] : Viruses are not considered organisms .

[R] : Viruses are merely nucleoprotein particles and lack cytoplasm and metabolic wastes .

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:**



**Watch Video Solution**

**13. [A] :** All RNA viruses cannot directly multiply in host cells .

**[R] :** RNA viruses need reverse transcriptase to synthesize RNA only .

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:**



**Watch Video Solution**

**14. [A] :** Some viruses cause cancer .

**[R] :** Cancer viruses trigger uncontrolled growth of cell .

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:**



**Watch Video Solution**

15. [A] : Viruses are obligate parasites .

[R] : Both DNA and RNA are present in a virus .

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:**





**16.** [A] : Subviral infectious agents are called viroids .

[R] : Viroids cause persistent infections .

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:**



**Watch Video Solution**

**17. [A] :** The Phages which caused lysis of bacterial cell are called virulent phages .

**[R] :** The viral DNA controls the metabolic machinery of the host cell .

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:**



**Watch Video Solution**

**18. [A] :** AIDS is called death warrant .

[R] : AIDS virus has a liking for T-lymphocytes which produce antibodies .

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:**



**Watch Video Solution**

**19. [A] :** Virion is the virus particle outside the host cell.

**[R] :** They contain only proteins and no nucleic acids .

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:**



**Watch Video Solution**

**20. [A] :** Virus free plants can be produced from virus infected plants by meristem tissue culture .

[R] : Virus fail to grow during the growth of host tissue in the artificial medium .

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:**



**Watch Video Solution**

