



# BIOLOGY

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**BIOLOGY (HINGLISH)**

**AIPMT-2014 (GENETICS )**

**Mcqs**

1. Which of the following shows coiled RNA strand and capsomeres

A. Retrovirus

B. Polio virus

C. Tobacco mosaic virus

D. Measles -virus

**Answer:**



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2. Which one of the following is wrongly matched

A. Operon - Structural genes, operator and promoter

B. Transcription - Writing information from DNA to RNA

C. Translation - Using information in mRNA to make protein

D. Repressor protein - Binds to operator to stop enzyme synthesis

**Answer:**



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3. A man whose father was colour blind marries a woman who had a colour blind mother and normal father. What percentage of male children of this couple will be colour blind

A. 0.75

B. 0.25

C. 0

D. 0.5

**Answer: B**



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4. In a population of 1000 individuals 360 belong to genotype AA, 480 to Aa and the remaining 160 to aa. Based on this data, the frequency of allele A in the population is

A. 0.7

B. 0.4

C. 0.5

D. 0.6

**Answer:**



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**5. A human female with Turner's syndrome**

A. Is able to produce children with normal husband

B. Has 45 chromosomes with XO

C. Has one additional X chromosome

D. Exhibits male characters

**Answer:**



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**6.** An analysis of chromosomal DNA using the Southern hybridization technique does not use :

A. PCR

B. Electrophoresis

C. Blotting

D. Autoradiography

**Answer:**



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7. Fruit colour in squash is an example of

A. Inhibitory genes

B. Recessive epistasis

C. Dominant epistasis



## D. Complementary genes

**Answer:**



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**8. Transformation was discovered by**

A. Watson and Crick

B. Meselson and Stahl

C. Hershey and Chase

D. Griffith

**Answer:**



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**9. Commonly used vectors for human genome sequencing are**

A. T / A Cloning Vectors

B. T - DNA

C. BAC and YAC

D. Expression Vectors

**Answer:**



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**10. Viruses have**

- A. Both DNA and RNA
- B. DNA enclosed in a protein coat
- C. Prokaryotic nucleus
- D. Single chromosome

**Answer:**



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