BIOLOGY

BOOKS - TRUEMAN BIOLOGY

AIPMT-2014 (GENETICS)

Mcqs

1. Tiger project was launched in India in

   A. 1972

B. 1973

C. 1977

D. 1970

Answer:

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2. Which of the following shows coiled strand and copsomeres?

A. Retrovirus

B. Polio virus

C. Tobacco mosaic virus

D. Measles -virus

Answer:

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3. Which one of the following is wrongly matched?

A. Operon - Structural genes, operator and

   promoter

B. Transcription - Writing information from

   DNA tot-RNA

C. Translation - Using information in m-

   RNA to make protein

D. Repressor protein - Binds to operator to

   stop enzyme synthesis

Answer:

4. 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:

5. In a population of 1000 individuals 360 belong 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:

6. 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:

7. An analysis of chromosomal DNA using southern hybridization technique does not use

A. PCR

B. Electrophoresis

C. Blotting

D. Autoradiography

Answer:

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8. Fruit colour in squash in an example of

A. Inhibitory genes

B. Recessive epistasis

C. Dominant epistasis

D. Complementary genes

Answer:

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9. Transformation was discovered by

A. Watson and Crick

B. Meselson and Stahl

C. Hershey and Chase

D. Griffith

Answer:

10. Commonly used vectors for human genome sequencing are

    A. T / A Cloning Vectors

    B. T - DNA

    C. BAC and YAC

    D. Expression Vectors

Answer:

11. 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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