



BIOLOGY

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BIOLOGY (HINGLISH)

NEET - 2013 (GENETICS)

Mcqs

1. If both parents are carriers for thalassemia, which is an autosomal recessive disorder, what

are the chances of pregnancy resulting in an affected child?

A. 0.25

B. 1

C. no chance

D. 0.5

Answer: A



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2. Which Mendelian idea is depicted by a cross in which the F_1 generation resembles both the parents

A. Inheritance of one gene

B. Co-dominance

C. Incomplete dominance

D. Law of dominance

Answer: B



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3. The incorrect statement with regard to Haemophilia is

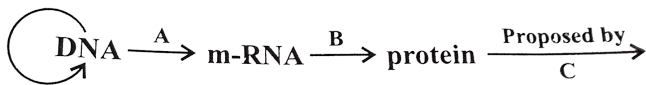
- A. It is a dominant disease
- B. A single protein involved in the clotting of blood is affected
- C. It is a sex-linked disease
- D. It is a recessive disease

Answer: 1



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4. The diagram shows an important concept in the genetic implicative of DNA. Fill in the blanks A to C.



A. A - transcription B - translation C -

Francis Crick

B. A - translation B - extension C - Rosalind

Franklin

C. A - transcription B - replication C - James

Watson

D. A - translation B - transcription C - Erevin

Chargaff

Answer: 1



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5. Which enzyme/s will be produced in a cell in which there is a nonsense mutation in the lac Y gene?

A. Transacetylase

B. Lactose permease and transacetylase

C. β -galactosidase

D. Lactose permease

Answer: C



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6. Which of the following statements is not true of two genes that show 50% recombination frequency?

A. The genes show independent assortment

B. If the genes are present on the same chromosome, they undergo more than one crossovers in every meiosis

C. The genes may be on different chromosomes

D. The genes are tightly linked

Answer: 4



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