



# BIOLOGY

## NEET & AIIMS

### MOCKTEST 41 : ZOOLOGY

#### Example

1. Which of the following is incorrect for golden rice?

A. It is a 3 transgenic variety of *Oryza sativa*

B. It contains increased quantities of  $\beta$ -carotene

C. Gene for  $\beta$ -carotene has been taken from the daffodil plant

D. Seeds of golden rice are white in colour

**Answer: D**



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2. In India how many recombinant therapeutics are being presently marketed?

A. 30

B. 20

C. 12

D. 112

**Answer: C**



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**3. Pro-insulin consists of**

A. A-peptide

B. A and B peptide

C. A, B and C peptides

D. Only C-peptide

**Answer: C**



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**4. First clinical gene therapy was conducted in**

A. 1983

B. 1997

C. 1890

D. 1990

**Answer: D**



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5. Match column-I with column-II and select the correct option using the codes given below (a) E. Coli(Coloumn-I) - (i) cDNA is early

embryonic cell(Coloumn-II)	(b)	ADA
deficiency(Coloumn-I)	- (ii)	Human
insuline(Coloumn-II)	(c)	Rosie(Coloumn-I) - (iii)
Alpha-1-antitrypsin(Coloumn-II)		(d)
Emphysema(Coloumn-I)	- (iv)	Alpha-
lactalbumin(Coloumn-II)		

A. a(i), b(ii), c(iv), d(iii)

B. a(ii), b(i), c(iii), d(iv)

C. a(ii), b(i), c(iv), d(iii)

D. a(iii), b(iv), c(ii), d(i)

**Answer: C**



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6. Which of the following technique is not used for early diagnosis of disease?

- A. Polymerase chain reaction
- B. Recombinant DNA technology
- C. Enzyme linked immuno sorbent assay
- D. Conventional method

**Answer: D**



7. Commercial use of Bio-resources by unauthorised person or organisation is called

A. Biopatent

B. Patent

C. Biopiracy

D. Bioethics

**Answer: C**





8. Which of the following transgenic animals are being used to test the safety of the polio vaccine?

A. Rabbits

B. Pigs

C. Mice

D. Sheep

**Answer: C**



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9. Which of the following is a complete curative method for treatment of ADA deficiency in a patient?

A. Functional ADA is given to the patient by injection

B. Infusion of lymphocytes containing ADA cDNA after birth

C. Gene isolated from marrow cells producing ADA is introduced into cells at

early embryonic stages

D. Bone marrow transplantation in which

ADA gene is introduced into adult cells

only

**Answer: C**



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**10.** Which method of diagnosis is used for detecting mutations quicker than other method?

A. PCR

B. ELISA

C. Western blotting

D. ESR

**Answer: A**



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**11.** How many documented varieties of basmati rice are grown in india?

A. 17

B. 7

C. 10

D. 27

**Answer: D**



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**12.** Which body will make decisions regarding the validity of GM research and the safety of introducing GM-organisms for public services

A. ICAR

B. GEAC

C. CDRI

D. IUB

**Answer: B**



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**13.** Read the following statement A and B.

Statement-A: Rosie, produced human protein enriched milk, 2.4 grams per litre. Statement-

B: The Indian Parliament has recently cleared the second amendment of the Indian patents bill. Choose the correct option.

- A. Only statement A is correct
- B. Only statement B is correct
- C. Both statements are incorrect
- D. Both statements are correct

**Answer: D**



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14. Eli Lilly an American company prepared two DNA sequences corresponding to A and B chains of human insuline and introduced them in

A. *E. Coli*

B. *B. thuringiensis*

C. *M. icognitia*

D. *Pseudomonas putida*

**Answer: A**



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15. Organism which developed by A.M. Chakravorty and used for clearing oil spills?

A. E. Coli

B. Pseudomonas putida

C. Rosie

D. B. thuringiensis

**Answer: B**



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