



BIOLOGY

BOOKS - MBD NCERT SOLUTIONS

MODEL TEST PAPER -1

Set A Section A Physics

1. Give composition of the biogas produced by decomposition of biowaste.



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2. What are the disadvantages of solar energy ?



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[Set A Section C Life Science](#)

1. UV rays are prevented from entering the earth's atmosphere by :

A. Oxygen

B. Nitrogen

C. Ozone

D. Carbon dioxide

Answer:



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2. The most important components for photosynthesis is :

A. Carbon dioxide

B. Chlorophyll.

C. Sunlight

D. All of the above

Answer:



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3. Which of the following is STD ?

A. Kala azar

B. Jaundice

C. Cholera

D. Syphilis

Answer:



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4. Name two biodegradable and two non - biodegradable substance .



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5. Give function of testis and ovary.



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6. What factors are responsible for formation of new species .



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7. What do you mean by the term fossils. Give their importance .



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8. (i) What is respiration ?

(ii) What is digestion ? What is the role of saliva in the digestion of food ?

(iii) What is blood pressure . What are normal value of systolic and diastolic blood pressure .



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Set B Section A Physics

1. The persistence of vision for human eye is

A. $1/10$ th of a second

B. $1/16$ th of a second

C. $1/6$ th of the second

D. $1/18$ th of a second

Answer:



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1. Which one of the following is acidic ?

A. Lemon juice

B. Tomatoes

C. Milk

D. All

Answer:



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2. Which one of the following will turn red litmus blue ?

A. Vinegar

B. Baking soda solution

C. Lemon juice

D. soft drinks

Answer:



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3. Which one of the following will turns blue litmus red ?

A. Vinegar

B. Lime water

C. Baking soda solution

D. Washing soda solution

Answer:



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4. Name the acid present in the following :

(i) Tomato (ii) Vinegar (iii) Tamarind .



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5. What is the difference between soaps and detergents ? State in brief the cleaing action of soaps is removing an oily spot from a fabric. Why are soaps not very effective whene a fabric is washed in hard water ? How is this problem resolved ? .





Set B Section C Life Science

1. Which of these juices is secreted by pancreas ?

A. Trypsin

B. Pepsin

C. Bile juice

D. Both a and b

Answer:



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2. The two oviducts in a human female unite into an elastic bag like is know as :

A. Vagina

B. Uterus

C. Fallopian tube

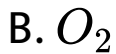
D. Cervix

Answer:



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3. The formula of Ozone is _____ .



Answer:



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4. What is bad ozone ?



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5. List two traditional system of water harvesting .



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6. List any four methods of contraception used by humans. How does their use have a direct effect on the health and prosperity of a family ?



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7. (a) Draw a diagram of the longitudinal section of a flower and label on it sepal , petal , ovary and stigma.

(b) Write the names of male and female reproductive parts of a flower .



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8. (a) What is fragmentation in organisms ?

Name a multicellular organism which reproduces by this method.

(b) What is regeneration in organisms ? Describe regeneration in Planaria with the help of a suitable diagram.



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Set C Section C Life Science

1. Floods can be prevented by

- A. Afforestation
- B. Removing top soil
- C. Deforestation
- D. Agriculture

Answer:



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2. The chlorophyll in photosynthesis is used for :

A. Absorbing light

B. Breaking down water molecule

C. Na function

D. Reduction of CO_2

Answer:



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3. Proteins after digestion are converted into :

A. Carbohydrates

B. Small globules

C. Amino acids

D. Starch

Answer:



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4. What of the following is a non-biodegradable substance ?

A. Virgin plastic

B. Plastic

C. Plants

D. Plant producers

Answer:



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5. The number of atoms of oxygen present in ozone are :

A. 3

B. 4

C. 2

D. 1

Answer:



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6. Differentiate between natural and artificial ecosystem.



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7. Name the bacteria whose presence in water indicates the contamination with disease-causing micro-organisms.



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8. What are natural resources ?



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9. Name one sexually transmitted diseases caused by a bacterial infection and one by a viral infection how can these prevented ?



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10. Define the terms pollination and fertilization . Draw a diagram of a pistil showing pollen tube growth into the ovule and label them ?



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11. Describe in brief the role of :

(i) testis (ii) Seminal vesicle .

(iii) vas deferens .

(iv) ureter and

(v) prostate gland in human male reproductive system .



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Set D Section C Life Science

1. Narmada bacho andolan was to :

- A. Clean narmada
- B. Expanad narmada
- C. Save narmada

D. None of above

Answer:



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2. Carbohydrates in the plants are stored in the form of :

A. Glycogen

B. Strach

C. Glucose

D. Maltose

Answer:



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3. Which of the following disease is transmitted sexually ?

A. Kala azar

B. Jaundice

C. Cholera

D. Syphilis

Answer:



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4. The constituents which do not form eco - system are :

A. Biotic constituents

B. Plastic bags

C. Abiotic constituents

D. All of these

Answer:



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5. Homologous organs have :

A. Same structure , same function

B. Different structure , different function

C. Same structure , different function

D. Different structure , same function .

Answer:



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6. Why are plastic bags non - biodegradable ?



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7. Name the place where Chipko Andolan organized .



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8. List four advantage of water harvesting ?



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9. List any two difference between pollination and fertilization .



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10. (a) Explain the terms :

(i) Implantation (ii) Placenta.

(b) What is the average duration of human pregnancy ?



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