

MODEL PAPER - I (E/M)

GENERAL SCIENCE - II (Biological Science) - 20T

CLASS : X

PART : A & B

MAX. MARKS : 40

TIME : 1.35 Hrs

PART - A (Marks : 30)

INSTRUCTIONS :

1. Read carefully and understand the question Paper.
 2. Answer the questions under PART-A on separate answer book.
 3. write the answers to the questions under PART-B on the question Paper itself and attach it to the answer book of PART-A.
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SECTION - I (3 x 2 = 6 MARKS)

INSTRUCTIONS :

1. There are six very short answer questions.
 2. Attempt only three questions.
 3. Each question carries two marks.
 4. Answer each question in 1 or 2 sentences.
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1. What is Fermentation ? Give one example.
 2. Do you know causes of Malnutrition.
 3. How is excretion in Amoeba ?
 4. What is the portion of fiber in the gastro intestinal track ?
 5. What is external fertilization ? Give an example.
 6. What is Tissue culture ? Mention its uses.
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SECTION - II (2 x 4 = 8 MARKS)

INSTRUCTIONS :

1. There are four short answer questions.
 2. Attempt only two questions.
 3. Each question carries two marks.
 4. Answer each questions in 4 to 5 sentences.
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7. How do We prove that light is necessary for Photosynthesis ?

8. Which are the applications shown in plants ?
9. Vegetative propagation, how can it be used in human life ?
10. Ask any questions together with the doctor to know about blood pressure Section.

SECTION - III (2 x 8 = 16 MARKS)

INSTRUCTIONS :

1. There are four Essay questions.
 2. Attempt only two questions.
 3. Each question Carries eight marks.
 4. Answer each question in 8 or 10 sentences.
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11. Which Cell is 'Power houses of cell' in a body ? Explain this with help of a map.
12. Explain briefly about Homologous and Analogous organs.
13. Write the different type of Asexual reproduction System with Suitable examples.
14. What are the highlights of Darwin's theory.

PART - B (1 × 10 = 10 MARKS)

INSTRUCTIONS :

- 1. Answer the all questions.*
 - 2. Each question carries 1 mark.*
 - 3. write capital letters (A,B,C,D) showing the correct answer for the following questions in the brackets against them.*
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1. Plays a major role in the respiratory movements of Males. ()

- | | |
|--------------|---------------------|
| A. Diaphragm | B. Abdominal cavity |
| C. Ribs | D. Lungs |

2. Reproductive System found in paramoecium. ()

- | | |
|---------------------|------------------|
| A. Binary fission | C. Fragmentation |
| B. Multiple fission | D. None of these |

3. Single circulatory system have in ... ()

- | | |
|-------------|----------|
| A. Elephant | B. Fish |
| C. Man | D. Whale |

4. Who discovered the tissue culture ? ()

A. Mendal

B. Heberland

B. Lamark

D. Levoiser

5. Who Suggested the equation for photosynthesis. ()

A. Rabert hills

C. Melvin Kelvin

B. CB Vanile

B. Pristin

6. Which alkaloid is Present in Neem. ()

A. Marphin

B. Quinine

C. Nimbin

D. Caffeen

7. Which synthesizes intestinal bacteria. ()

A. Riboflavin

B. Folic acid

C. Retinol

D. Cyanacobalamin

8. What is the best method to get plants with desirable charecters. ()

A. Hibridization

B. Layaring

C. Grafting

D. Genetical change

9. Area of cell respiration. ()

A. Chlorophyll

B. Cellmass

C. Nucleus

D. Mitochondria

10. Malphigian tubes are present in ... ()

A. Earth worm

B. Teniasolium

C. House fly

D. Para moecium
