

MODEL PAPER - IV ( E/M )

GENERAL SCIENCE - II ( Biological Science )

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CLASS : X

PART : A & B

MAX. MARKS : 40

TIME : 1.35 Hrs

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PART-A ( 30 MARKS )

SECTION - I ( 3 X 2 = 6 MARKS )

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👉 Attempt any Three questions.

1. What are raw materials required in photosynthesis ?
  2. How many Sections are there in the nervous System ?
  3. What happens if insulin Production is not adequately Predicted ?
  4. Write two proves of Darwin's Evolutionary Theory.
  5. Which are the waste materials will be removed from the body ?
  6. What is anaerobic respiration ?
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SECTION - II ( 2 x 4 = 8 MARKS )

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👉 Attempt any Two questions.

7. When we are doing the exercise we feel in our muscles. What is the relationship between muscle pain and respiration.
  8. Draw a chlorophyll map and identify the parts.
  9. As per the structure the nerve cell is different from other cells. Explain it ?
  10. Why was Mendel chosen the pea plant for his experiment ?
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SECTION - III ( 2 x 8 = 16 MARKS )

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👉 Attempt any Two questions.

11. Describe the mechanism of artificial Propagation.
12. Write differences between mitosis and meiosis.
13. Explain the theory of Mendel's monohybrid.

14. How can you prove that light is essential for photosynthesis ?

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PART - B (10 X 1 = 10 MARKS )

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👉 Choose the correct answer against the brackets.

1. Which metal have in chlorophyll. ( )

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|--------------|---------|
| A. Calcium   | B. Iron |
| C. Magnisium | D. Zinc |

2. Which type of acid released in stomache ? ( )

- |         |          |
|---------|----------|
| A. Hcl  | B. NaoH  |
| C. HNo3 | D. H2So4 |

3. Binary fission occurs in..... ( )

- |            |                  |
|------------|------------------|
| A. Hydra   | C. Chlamidomonas |
| C. Euglina | D. Mucar         |

4. DNA is .... ( )

- |                     |                  |
|---------------------|------------------|
| A Tissue            | B. Solid         |
| B. Genetic material | D. Non of these. |

5. Longer hans granules are in ... ( )

- |             |            |
|-------------|------------|
| A. Pancreas | B. Lungs   |
| C. Liver    | D. Kidneys |

6. Who invent the theory of acquired heridity ? ( )

- |           |           |
|-----------|-----------|
| A. Mendel | B. Lamark |
| C. Darwin | D. Morgan |

7. Mother's cervical canal, the structure that connects the fetus. ( )

- |                   |                   |
|-------------------|-------------------|
| A. Placenta       | B. Epididimis     |
| C. Umbilical Cord | D. Fallopian tube |

8. Respiratory rate in new born per minute... ( )

- |       |       |
|-------|-------|
| A. 26 | B. 15 |
| C. 32 | D. 18 |

9. Which hormone is encouraged Parthenogenesis ?

- |             |                   |
|-------------|-------------------|
| A. Axins    | B. Gubbarellin    |
| C. Cytokine | D. Absciscic Acid |

10. Which part is found in Amphibians are mixed with anterior and Posterior Veins ( )

- |                  |                   |
|------------------|-------------------|
| A. Aorta         | B. Left Articles  |
| C. Sinus Venosus | D. Right Articles |
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