

**MP Board Class 12 Biology
Previous Year Question Paper 2015**

P-446 (H/E)

BIOLOGY 2015

Time : 3 Hours |

Class : 12th

| M. M. : 75

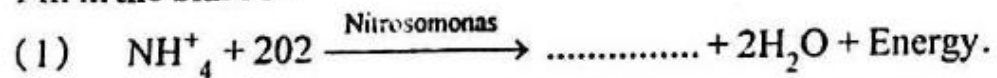
Instructions- (i) All questions are compulsory. (ii) There are two Sections in Question paper. 'Section-A' and 'Section-B'. (iii) In Section-A Q.Nos. 1 to 4 are objective type Questions which contain Fill in blanks, Multiple choice, one word/one sentence answer, Match the column. Each question carries 5 marks. (iv) In section 'B' there are question nos 5 to 18 Internal options are given in each question. (v) Q. Nos. 5 to 8 are very short answer type questions. Each carries 2 marks. Write answers of these questions approximately in 30 words each. (vi) Q.Nos. 9 to 13 are short answer type questions. Each carries 4 marks. Write answers of these questions approximately in 75 words each. (vii) Q.Nos. 14 to 16 are long answer type questions. Each carries 5 marks. Write answers of these questions approximately in 120 words each. (viii) Q. Nos. 17 and 18 are long answer type questions. Each carries 6 marks. Write answers of these questions approximately in 150 words each. (ix) Start answering of the objective type questions from first page of the answer sheet. (x) Draw neat and labelled diagram wherever necessary.

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Section - A (Objective Type Questions)

Q.1. Fill in the blanks-

5



(2) The Secretion of HCl and gastric Juice is controlled by
Hormone.

(3) Pollination takes place by the agency of bird is called

(4) Soyabean is a plant.

(5) Bacterium is found in the roots of leguminous plants.

Q.2. Choose the correct options and write it-

5

(a) Night blindness is caused due to deficiency of

(i) Vitamin - C (ii) Vitamin - A

(iii) Vitamin - D (iv) Vitamin - E

(b) Transpiration Higher among the following plant.

(i) Mesophytes (ii) Hydrophytes

(iii) Xerophytes (iv) Algae cells

(c) Which of the following is not naturally occurring plant hormone.

(i) 2, 4-D (ii) GA 2

(iii) Gibberellin (iv) IAA

(d) Term ecosystem was used for the first time by.

(i) Tansley (ii) Odum

(iii) Ritar (iv) Mishra and puri

(e) Useful vaccination is protection from Polio, Diphtheria and Tetanus.

(i) BCG (ii) DPT

(iii) MMR (iv) STD

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- Q3. **Answer in one word/one sentence each.** 5
- (1) **What is net gain of energy from oxidation of one mole glucose in oxirespiration and unoxirespiration.**
 - (2) **Write the two functions of pericardial fluid.**
 - (3) **Name any plants in which stem is modified into leaf like structure and leaves are modified into spines.**
 - (4) **In which animals Ranikhet disease occur.**
 - (5) **Write any two causes of uncontrolled population growth.**

- Q4. **Match the column** 5

Column - A

- (1) Lichen
- (2) Earthworm
- (3) Ultrafiltration
- (4) Rhizophora
- (5) Opium

Column - B

- Glomerulus
- Mangrove plant
- Papaver somniferum
- Cutaneous Respiration
- Symbiotic

Section - B (Very short Answer type questions)

- Q5. **Draw a labelled diagram of the cardiac muscles.** 2
- (Or) **Draw a labelled diagram of the Malpighian tubules Transfer section.**
- Q6. **Draw a labelled diagram of the pollen grain.** 2
- (Or) **Write any two difference between Epigeal and Hypogeal Germination.**
- Q7. **Write the Two types of mimicry.** 2
- (Or) **Write is succession, what are its type. Write any two stages..**
- Q8. **Wirte any two important difference between short day plants and long day plants.** 2
- (Or) **What is death, Write main reason of death.**

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(Short Answer type Questions)

- Q.9. Write the classification of Animals on the basis of excretory substance. 4
- (Or) Write the name of excretory organs and draw a labeled diagram of excretory system in humans.
- Q.10. Write four important difference between Arobic and Anarobic Respiration. 4
- (Or) Write four main difference between Bone and Cartilage.
- Q.11. Write only the name of male Reproductive organs and female Reproductive organs of Humans. 4
- (Or) Write only the name of different stages Mechanism of human Reproduction.
- Q.12. Write only the name of classification of the plants on the basis of temperature. 4
- (Or) Explain the four Adaptation of xerophyte.
- Q.13. What is Adiction and its type. Write the harmful effect of Alcohol Adiction. 4

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- (Or) Explain the four causes of Adiction.
- Q.14: Measure the rate of Transpiration with the help of Ganong's potometer. 5
- (Or) Explain the factors affecting the rate of photosynthesis.
- Q.15. Describe the internal structure of human ear with labelled diagram. 5
- (Or) Draw a labelled diagram of T.S. of spinal cord and describe its function.
- Q.16. Write the four causes of water pollution and explain the control of water pollution. 5
- (Or) Write the four causes of noise pollution and explain the control of noise pollution.
- Q.17. Describe the calvin cycle with Ray diagram. 6
- (Or) Explain the starch-sugar interconversion hypothesis of stomatal opening and closing and draw a labelled diagram.
- Q.18. Write the Botanical names of the following 6
- | | |
|------------|-------------|
| (1) Potato | (2) Brinjal |
| (3) Chilli | (4) Onion |
| (5) Gram | (6) Wheat |
- (Or) Write the difference between manure and Biofertilizers.