

Note: Time allowed for section B and C is 2 hours and 40 minutes.

SECTION "B"

Marks: 32

II. Attempt any EIGHT Parts out of the following. Each Part carries equal marks.

- i. Discuss gaseous exchange in lungs.
- ii. Describe Urinary System of Humans.
- iii. Write down the symptoms and treatment of kidney stone.
- iv. Define Neuron. Draw its structure.
- v. Differentiate between the two types of coordination system..
- vi. Write down names of vertebrae according to their location in the body.
- vii. Write down conditions necessary for Germination of seeds.
- viii. Differentiate between continuous and Discontinuous variation.
- ix. Define Nitrogen cycle. Write down the steps involved in nitrogen cycle.
- x. Write down major uses of single cell protein.
- xi. Give two examples of Drugs which are extracted from plants.

SECTION "C"

Marks: 21

Note: Attempt any THREE questions of the following. Each question carries equal Marks.

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| III. | (a) Explain the effect of exercise on the rate of breathing . | 4 |
| | (b) Describe Rheumatoid arthritis under the following headings. | 3 |
| | i) Causes ii) Symptoms iii) Treatment | |
| IV. | (a) Define self pollination and Cross pollination and give examples.. | 4 |
| | (b) Write down Mode of Transmission of AIDS. | 3 |
| V. | (a) Explain why Mendel selected peas as a subject for studying genetics. | 3 |
| | (b) Differentiate between Population and community. | 4 |
| VI. | (a) Define Fermentation. Discuss the methods of fermentation. | 4 |
| | (b) Describe sulfonamides and Tetracyclines. | 3 |