

This Question Paper contains 4 Printed Pages.

20E(A)

GENERAL SCIENCE, Paper - II

(English version)

Parts A and B

Time : 2½ Hours

Maximum Marks : 50

Instructions :

1. Answer the questions under **Part-A** on a separate answer book.
2. Write the answers to the questions under **Part-B** on the Question Paper itself and attach it to the answer book of **Part-A**.

Part - A

Time : 2 Hours

Marks : 35

SECTION - I

4×1=4

NOTE :

1. Answer **ANY FOUR** questions from the following.
 2. Each question carries **ONE** mark.
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1. What is Life Process?
 2. What is apical dominance?
 3. How do the amplexusory pads help the frog?
 4. What is Malnutrition?
 5. Mention the sources of vitamin 'C'.
 6. Mention any two types of natural calamities.

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P.T.O.

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SECTION - II

5×2=10

- NOTE :** 1. Answer **ANY FIVE** questions, choosing atleast **TWO** from each Group **A** and **B**.
2. Each question carries **TWO** marks.

GROUP - A

7. What are respiratory substrates ? Give two examples.
8. Why there is more pressure in arteries than in veins ?
9. What are Nissl granules ? Where do you find them ?
10. What are the effects of Cytokinins in plants ?

GROUP - B

11. What is embryo rescue ? When is this method followed ?
12. How do you differentiate between the animal pole and vegetal pole of the ovum of frog ?
13. What are the steps to be taken by obese people to reduce their weight and size ?
14. What are the main causes for global warming ?

SECTION - III

4×4=16

NOTE :

1. Answer **ANY FOUR** questions from the following choosing atleast **TWO** from each group **A** and **B**.
2. Each question carries **FOUR** marks.

GROUP - A

15. How can we show that heat is liberated during respiration ?
16. What are the differences between Red Blood Cells (R.B.C.) and White Blood Cells (W.B.C.) ?
17. What are plant growth substances ? Give examples.
18. How is the brain in the human beings protected from injury ?

GROUP - B

19. Give an account of menstrual cycle in human beings.
20. If one has taken the decision not to be infected with HIV, what precautions should he/she take ?
21. What are the effects of Kwashiorkor on children ?
22. Mention the symptoms of a fracture. What first-aid will you render for fractures ?

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SECTION - IV

1×5=5

- NOTE :** 1. Answer **ANY ONE** question from the following.
2. This question carries **FIVE** marks.

23. Draw a neat labelled diagram of the transverse section of a leaf.
24. Draw a neat labelled diagram of reproductive system of male Frog.