

This Question Paper contains 4 Printed Pages.

20E(B)

GENERAL SCIENCE, Paper-II

(English version)

Parts A and B

Time : 2½ Hours

Maximum Marks : 50

Part - B

Time : 30 minutes

Marks : 15

- Note :**
1. Answer **all** the questions.
 2. Each question carries ½ mark.
 3. Candidate must use the **CAPITAL LETTERS** while answering the multiple choice questions.
 4. Marks will **not** be awarded in case of any over-writing and rewriting or erased answers.

I. Write 'CAPITAL LETTER' showing the correct answer for the following questions in the brackets provided against them. $10 \times \frac{1}{2} = 5$

1. The end product of Dark reaction is **[.....]**
(A) PGA
(B) CO₂
(C) C₆H₁₂O₆
(D) ATP
2. Respiration in amoeba occurs by **[.....]**
(A) Transpiration
(B) Osmosis
(C) Diffusion
(D) Inhalation
3. Ventricle is incompletely divided in **[.....]**
(A) Crow
(B) Cat
(C) Camel
(D) Lizard

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PTO.

4. Shedding of leaves and fruits is due to the hormone [.....]
(A) Indole acetic acid
(B) Naphthalene acetic acid
(C) Gibberellins
(D) Abscissic acid
5. Islets of Langerhans are present in [.....]
(A) Kidney
(B) Liver
(C) Pancreas
(D) Trachea
6. Cocoon of earthworm is formed by [.....]
(A) Spermathecae
(B) Seminal vesicles
(C) Clitellum
(D) Ovaries
7. The most essential floral organs required for sexual reproduction [.....]
(A) Calyx and Corolla
(B) Corolla and Androecium
(C) Gynoecium and Thalamus
(D) Gynoecium and Androecium
8. Acrosome of spermatozoon helps in [.....]
(A) digestion
(B) locomotion
(C) excretion
(D) fertilization

[3]

9. Goitre is due to the deficiency of [.....]

- (A) Calcium (B) Zinc
(C) Selenium (D) Iodine

10. The things that will destroy life on earth is [.....]

- (A) Atomic war
(B) Collision of the earth with another planet
(C) Global warming
(D) All of the above

II. *Fill in the blanks with the correct answers.*
Each question carries $\frac{1}{2}$ mark.

$10 \times \frac{1}{2} = 5$

11. The energy present in the light rays is called
12. The cells that play an important role in clotting of blood are
13. Substance that bring out co-ordination between organs are called
14. The third whorl of a flower is composed of
15. In house-fly, helps in laying fertilized eggs.
16. From the third month of pregnancy, the embryo is called
17. Excessive intake of Fluorine results in
18. The vitamin that prevents sterility in males is vitamin
19. Mumps is caused by virus.
20. Wood, coal, petroleum, natural gas are examples for energy resources.

[4]

III. Match the following. Each question carries $\frac{1}{2}$ mark.

$5 \times \frac{1}{2} = 2\frac{1}{2}$

'A'

(i) **Group - A**

Group - B

- | | | |
|----------------------|---------|----------------------------------|
| 21. Reaction centres | [.....] | (A) Universal donor. |
| 22. Blood group 'O' | [.....] | (B) Pulmonary respiration. |
| 23. Lungs | [.....] | (C) Thylakoids. |
| 24. Mitochondria | [.....] | (D) Tracheal respiration. |
| 25. Heart attack | [.....] | (E) Blocking of coronary artery. |
| | | (F) Universal recipients. |
| | | (G) Cristae. |

'B'

(ii) **Group - A**

Group - B

$5 \times \frac{1}{2} = 2\frac{1}{2}$

- | | | |
|-------------------------------|---------|--------------------------|
| 26. Greenhouse gases | [.....] | (A) Spermatozoa |
| 27. Milt of frog | [.....] | (B) Suckers |
| 28. Sea shore region | [.....] | (C) Root buds |
| 29. Chrysanthemum | [.....] | (D) Ova |
| 30. Vitamin 'B ₂ ' | [.....] | (E) Mangroves |
| | | (F) Chloroflouro carbons |
| | | (G) Riboflavin |