

BIOLOGY (Fresh) Time: 20 Minutes Multiple Choice Questions 01 Mark for each	Part-II Marks: 18	Paper Code <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Roll No. of the Student</td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> </tr> <tr> <td colspan="8">Serial No. Of the Answer Book _____</td> </tr> </table>	Roll No. of the Student								Serial No. Of the Answer Book _____							
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- Note:**
- 1) Attempting all MCQs is compulsory. This paper along with the OMR sheet must be returned to the superintendent after due time.
 - 2) Fill the circle (A)(B)(C)(D), which one is correct with blue or black ball point, in this sheet as well as in separate OMR Sheet like
 - 3) If more than one circle in the OMR sheet is filled then no credit will be given to such answer.

SECTION-A

1. The weight of pituitary gland is _____
 1g 0.5g 2g 3g
2. Heroin is processed from _____
 Morphine Nicotin Opoid Hashish
3. The mammalian forebrain is differentiated into the thalamus, limbic system and the _____
 Cerebellum Cerebrum Hippocampus Hypothalamus
4. All are cartilage characteristic except _____
 No inorganic salt No blood supply Reshaped Collagen type II
5. Human lungs are spongy due to the presence of million of _____
 bronchioles trachea alveoli bronchi
6. Effector may be _____
 Muscle Gland Bone Both A & B
7. In skeletal Muscle, calcium facilitates contraction by binding to _____
 Troponin actin Myosin troponin
8. Which one is the most important mechanism for water loss from the body?
 Excretion in urine Sneezing Sweating Breathing
9. Pneumonia is caused by _____
 Bacteria mycoplasma Virus All
10. The number of human spinal nerves are _____
 62 24 64 50
11. The corpus luteum is formed at the site of _____
 Ovulation Fertilization Implantation Menstruation
12. The nerve impulse carry from receptor to CNS by _____
 Motor nerve Mixed Nerve Sensory Nerve All
13. Which hormone is amino acid derivatives _____
 Estrogen Thyroxin Progesteron ADH
14. The number of linkage group in man is _____
 92 46 23 2
15. Rh blood group is encoded by _____
 One gene Two gene Three gene Four gene
16. The number of human chromosome in somatic cell _____
 2n 3n 4n 1n
17. Which of the following act as a stop codon _____
 UAG UGU UAG None of these
18. Ecological pyramid also known as _____
 Eltonian pyramid Tringular pyramid Square pyramid None of these

BIOLOGY (Fresh) P-II

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

SECTION "B"**Marks: 40**

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

- i. Define stroke and its symptoms shortly.
- ii. Write sign and symptom of aging.
- iii. Write disadvantages of bottle feeding.
- iv. Write note on Tactition.
- v. Discuss the process of Spermatogenesis.
- vi. Write short note on Territorial behavior.
- vii. Differentiate between endocrine and exocrine glands.
- viii. Discuss function of ADH and Oxytocin.
- ix. What is the effect of sympathetic stimulation?
- x. What is the importance of cleavage?
- xi. Write sign and symptom of turner's syndrome?
- xii. Write mechanism of active membrane potential.
- xiii. Write different types of receptors.

SECTION "C"**Marks: 27**

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

- III. Write the process of DNA Replication.
- IV. Explain repair of fractured bone?
- V. Explain Darwin's theory of evolution by natural selection.
- VI. What are the causes of male and female infertility? Analyse the possible solution to this problem.