कांजी - 011

| Seat Number |  |   |  |  |  |  |
|-------------|--|---|--|--|--|--|
|             |  | 9 |  |  |  |  |



## ZOOLOGY PAPER - II: ZOO - 242 Mammalian Physiology

| Time: Two Hours  | Max. Marks : 4 |
|------------------|----------------|
| Time . Two Hours | Max. Mary . 4  |

|      |                      | (2415   | 6)                   |  |
|------|----------------------|---|----------------------|--|
| P. F | Max. Mar             |   |                      |  |
|      | 1.<br>2.<br>3.<br>4. | tions to Candidates: Do not write anything on que Graph or diagram should be used for writing paper or bla Students should note, no sup All questions are compulsory Figures to the right indicates | drav<br>ck H<br>ople | wn with the black ink pen bein<br>IB pencil.<br>ment will be provided. |
| 1.   | Mu                   | ltiple Choice, attempt any eig  | jht.                 |  |
|      | i)                   | Thermoregulation means a) Temperature regulation c) Water regulation  | b)<br>d)             | Salt regulation<br>None.   |
|      | ii)                  | Muscle fatigue is also called<br>a) physical<br>c) chemical   | b)<br>d)             | mental   |
|      | III)                 | The wall of gastrointestinal t<br>a) mucous<br>c) Enzymes   | ract<br>b)<br>d)     |  |
|      | iv)                  | The junction between two ne<br>a) Generator area<br>c) Junction   | b)<br>d)             |  |
|      | v)                   | Prolactin hormone is concert<br>a) Milk ejection<br>c) Growth   | n wi<br>b)<br>d)     | th<br>Spermatogenesis<br>None.   |
|      | vi)                  | a) Acidosis c) Asphyxia   | bloo<br>b)<br>d)     | d pH.<br>Alkolosis<br>Anoxia.  |

|    |     | vi                                       | i) Th<br>a)<br>c)  | 70   | uency (H<br>b)<br>d) | eart beat) in human is<br>75<br>120   |     |
|----|-----|--|--------------------|--|----------------------|---------------------------------------|-----|
|    |     | vi                                       | ii) UI<br>a)<br>c) | trafiltration takes plac<br>glomerulus<br>Bowman's Capsule | 1000                 | PCT<br>None.                          |     |
|    |     | ix                                       | a)<br>a)<br>c)     | ta cells of pancreas s<br>Insulin<br>somatostatin          | secrete<br>b)<br>d)  | glucagon<br>None.                     |     |
|    |     | x)                                       | aj                 | 28 day human ovaria<br>day 1<br>day 14                     | n cycle,<br>b)<br>d) | ovulation occurs in<br>day 5<br>None. |     |
| 2. |     | De                                       | fine               | / Explain / Comment  | on any f             | our.                                  | 8   |
|    |     | a)                                       | Но                 | meotherms  | b)                   | Menarche                              |     |
|    |     | c)                                       | Со                 | litis  | d)                   | Anoxia                                |     |
|    |     | e)                                       | Kid                | Iney Failure   | f)                   | Leukemia.                             |     |
| 3. |     | Att                                      | emp                | t any two of the follow                                    | wing:                |                                       | 8   |
|    |     | i)                                       | Fur                | nction of oestrogen.                                       |                      |                                       |     |
|    |     | ii)                                      | Dig                | estion and absorption                                      | in large             | intestine.                            |     |
|    |     | iii)                                     |                    | rmal composition of u                                      |                      |                                       |     |
| 4. | a)  | Attempt any two of the following :       |                    |  |                      |                                       |     |
|    |     | - i)                                     | Sur                | nmation  |                      |                                       | - 6 |
|    |     | ii)                                      | Tra                | nsport of O2 from lung                                     | gs to tiss           | sue.                                  |     |
|    | 1   | iii) Sketch and label, synapse.          |                    |  |                      |                                       |     |
|    | b)  |  |                    |  |                      |                                       | 2   |
|    | a)  | Attempt any one of the following :       |                    |  |                      |                                       |     |
|    |     | i) Describe the mechanism of pace maker. |                    |  |                      |                                       |     |
|    |     | ii) Digestion by pancreatic enzymes.     |                    |  |                      |                                       |     |
|    | b)  |  |                    |  |                      |                                       |     |
|    | 150 | 100000                                   |                    |  | ******               |                                       | 2   |
|    |     |  |                    |  |                      |                                       |     |