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SARDAR PATEL UNIVERSITY

B.Sc Fourth semester exam
ZOOLOGY- (US04CZOO-22)
 (Physiology and Wildlife)



Date: 11/04/2022

Time: 3:00 To 5:00 pm

Total Marks: 70

10

- Q-1 Multiple Choice questions:**
- Implantation of embryo occurs in _____ stage:
 - Blastocyst
 - Trophoblast
 - Cytotrophoblast
 - Morula
 - _____ is responsible for the secretion of milk from the mammary gland.
 - Oxytocin
 - Progesterone
 - Estrogen
 - Prolactin
 - Failure of descending testis into the scrotum is known as :
 - Castration
 - Impotency
 - Cryptorchidism
 - Circumcision
 - The ability of the body to defend itself against specific invading agents is called _____ .
 - Innate immunity
 - Adaptive immunity
 - Non-specific immunity
 - None
 - Lymph vessels are united to form _____ .
 - Lymph heart
 - Jugular vein
 - Cisterna chyle
 - Thoracic duct
 - Both B and T cells of immune system are produced in _____ .
 - Bone marrow
 - Thymus
 - Lymph nodes
 - Spleen
 - The blood leaves the glomerulus by:
 - Afferent arteriole
 - Efferent arteriole
 - Renal artery
 - Renal vein.
 - Diuresis is the condition in which :
 - The excretion of volume of urine increases
 - The excretion of volume of urine decreases
 - Kidneys fail to excrete
 - The water balance of blood is disturbed.
 - _____ founded in 1881 & conducts research, educational activities and field work.
 - I.B.W.I
 - B.N.H.S.
 - W.W.F.
 - W.P.S.I.
 - Keoladeo Ghana Bird Sanctuary is situated in _____ state.
 - Gujarat
 - Rajasthan
 - Maharashtra
 - Orissa

Q.2

Write true or false and fill in the Blanks:

1X8=8

1. The hormone which shows a single mid cycle peak in the human female is _____.
2. Kupffer cells in the liver are involved in _____.
3. A person consuming a large amount of fish and meat will excrete urine rich in _____.
4. Dachigam relates with protection of _____.
5. Fertilization takes place in uterus -TRUE or FALSE ?
6. Lymph does not contain Erythrocytes – TRUE or FALSE ?
7. Urea is synthesized in Kidney.– TRUE or FALSE ?
8. Bombay Natural History Society engaged in history of India.-TRUE or FALSE ?

Q-3

Short Answer question (Attempt Any Ten)

2X10=20

1. Write about corpus leuteum.
2. Draw a neat and labeled diagram of seminiferous tubules.
3. Write about menopause.
4. Write about functions of spleen.
5. Write about primary and secondary lymphoid organs.
6. What is acquired immunity?
7. Write about Loop of Henle.
8. Explain role of ADH.
9. Write difference between Uriniferous tubules and Seminiferous tubules.
10. Write the aims of wild life conservation.
11. Write about any two wild life organizations & write their functions.
12. Define endangered animals and extinct animals.



Q-4

Long Answer (Attempt any four)

(8X4=32)

1. Describe chemical methods of birth control.
2. Explain briefly: Embryonic and fetal development.
3. Explain briefly: Disorders of urinary system.
4. Describe: Tubular reabsorption and Secretion in Kidney.
5. Describe about Rheumatoid arthritis.
6. Write about types of Immune responses.
7. Describe briefly vanishing of wild life.
8. What is wild life conservation? Describe various methods of wild life Conservation.

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