



SEAT No. _____

No. of Printed Pages: 2

[A-2]

SARDAR PATEL UNIVERSITY

OCTOBER - 2022

[ZOOLOGY]

US 04 CZOO 02

[PHYSIOLOGY, ECONOMIC ZOOLOGY, TOXICOLOGY AND WILD LIFE]

TIME: 12.30 AM-2.30 PM

DATE: 08/10/2022

MARKS: 70

Q-1 MULTIPLE CHOICE QUESTIONS:

[10]

1. FERTILIZATION OF SECONDARY OOCYTE PRIMARILY TAKES PLACE IN
a. ENDOMETRIUM B. MYOMETRIUM C. PERIMETRIUM D. FALLOPIAN TUBE
2. CORPUS LUTEUM RESCUE AFTER FERTILIZATION BY
a. PROGESTERONE B. ESTROGEN C. hCG D. hPL
3. HYALURONIDASE IS PRESENT IN
a. OVUM B. ZYGOTE C. EMBRYO D. SPERMATOZOA
4. FOLLOWING IS A PART OF THE LYMPHATIC SYSTEM
a. THYROID B. THYMUS C. PITUITARY D. THORAX
5. T CELLS AND B CELLS ARE ORIGINATING FROM
a. BONE MARROW B. SPLEEN C. LYMPH NODE D. LYMPH VESSEL
6. WHICH OF FOLLOWING IS ALSO CALLED NURSERY BEE?
a. QUEEN B. DRONE C. WORKER D. NONE
7. *MACROBRACHIUM ROSENBURGII* ISWATER PRAWN
a. SHALLOW B. ESTUARIES C. FRESH D. MARINE
8. THE FOLLOWING IS FUNDING ORGANIZATION FOR NATURE
a. WWW B. WWE C. WTO D. WWF
9. WHICH OF FOLLOWING IS ENDANGERED IN INDIA?
a. PIGEON B. VULTURE C. PARROT D. MYNA
10. WILD ASS NATIONAL PARK IN GUJARAT IS
a. BHAVNAGAR B. JAMNAGAR C. PORBANDAR D. KACHCHH

Q-2

TRUE OR FALSE

[04]

1. PROSTATE GLAND FOUND IN FEMALE
2. TEARS ARE A FIRST LINE IMMUNE SYSTEM
3. ULTRA FILTRATION OF URINE TAKES PLACE IN BLADDER
4. VELAVADAR IS THE NATIONAL PARK FOR BLACK BUCK

FILL IN THE BLANKS

[04]

1. ARE SECRETING CELLS IN SEMINIFEROUS TUBULES [SERTOLI, LAYDIG]
2. IN ANTIBODIES HEAVY CHAIN HAVING AMINO ACIDS [220, 450]
3. ONE OF THE SOIL POLLUTIONS TAKES PLACE BY..... [FERTILIZERS, RAIN]
4. GIR WILDLIFE SANCTUARY IS DEVOTED TO..... [SLOTH BEAR, LION]

Q-3 SHORT QUESTIONS [ANY TEN]

[20]

1. DRAW STRUCTURE OF SEMINIFEROUS TUBULE
2. WRITE THE PROCESS OF FERTILIZATION
3. WRITE ABOUT INTRAUTERINE DEVICES FOR BIRTH CONTROL
4. DRAW AND WRITE ABOUT STRUCTURE OF ANTIGEN
5. WRITE ABOUT LYMPHATIC NODE
6. WRITE ABOUT INFLAMMATION AND FEVER
7. WRITE COMPOSITION OF HONEY
8. DEFINE TOXICOLOGY
9. WRITE ABOUT DDT AS POLLUTANT
10. WRITE AIM FOR CONSERVATION OF WILDLIFE
11. WRITE BLACKBUCK OF GUJARAT
12. WRITE BENEFITS OF WILD LIFE

Q-4 LONG QUESTIONS [WRITE ANY FOUR]

[32]

1. EXPLAIN SPERMATOGENESIS
2. DESCRIBE FEMALE REPRODUCTIVE ORGANS
3. EXPLAIN MATURATION OF B-CELLS AND ANTIBODY MEDIATED IMMUNITY
4. EXPLAIN FIRST LINE IMMUNITY
5. METHODS OF BEE KEEPING
6. AUTOMOBILE EMISSION
7. DESCRIBE VANISHING OF WILDLIFE
8. DESCRIBE SIGNIFICANCE OF WILDLIFE

— X —

(2)