

[23/A-23]

## SARDAR PATEL UNIVERSITY

APRIL-2018

[ZOOLOGY]

US 04 CZOO 02

[PHYSIOLOGY, ECONOMIC ZOOLOGY, TOXICOLOGY AND WILD LIFE]

TIME: 10.00 AM-1.00 PM

DATE: 13/04/2018

MARKS: 70

## Q-1 MULTIPLE CHOICE QUESTIONS:

[10]

1. IMPLANTATION OF EMBRYO PRIMARILY TAKES PLACE IN
  - a. ENDOMETRIUM
  - B. MYOMETRIUM
  - C. PERIMETRIUM
  - D. ATRIUM
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. SPERMATOOZA
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* IS .....WATER 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. BLACKBUCK NATIONAL PARK IN GUJARAT
  - a. BHAVNAGAR
  - B. JAMNAGAR
  - C. PORBANDAR
  - D. KANDLA

## Q-2 SHORT QUESTIONS [ANY TEN]

[20]

1. WRITE ABOUT SECONDARY SEX CHARACTERS IN MALE
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 NAMES OF ANY FOUR ENDANGERED SPECIES OF GUJARAT
12. WRITE SOCIO ECONOMIC BENEFITS OF WILD LIFE

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[P.T.O.]

- Q-3 [A] EXPLAIN HORMONAL CONTROL OF REPRODUCTIVE CYCLE IN FEMALE [05]  
[B] EXPLAIN SPERMATOGENESIS [05]
- OR
- Q-3 [A] DESCRIBE FEMALE REPRODUCTIVE ORGANS [05]  
[B] EXPLAIN IMPLANTATION OF EMBRYO [05]
- Q-4 EXPLAIN MATURATION OF B-CELLS AND ANTIBODY MEDIATED IMMUNITY [10]
- OR
- Q-4 EXPLAIN NON SPECIFIC IMMUNITY [10]
- Q-5 WRITE NOTES ON [A] METHODS OF BEE KEEPING [05]  
[B] TOXIC EFFECT OF HEAVY METALS [05]
- OR
- Q-5 WRITE NOTES ON [A] AUTOMOBILE EMISSION [05]  
[B] LIFE HISTORY OF SILKMOTH [05]
- Q-6 [A] DESCRIBE VANISHING OF WILDLIFE [05]  
[B] WHAT IS WILD LIFE? DESCRIBE MARINE NATIONAL PARK AND THEIR FAUNA [05]
- OR
- Q-6 [A] SIGNIFICANCE OF WILDLIFE ORGANIZATIONS [05]  
[B] DESCRIBE IMPORTANCE OF WILDLIFE [05]