

[28/A-16] SEAT No. _____

No. of Printed Pages : 02

SARDAR PATEL UNIVERSITY

B.Sc .Fourth semester exam.

ZOOLOGY- (US04CZOO 02)

(Physiology, Economic zoology, Toxicology and Wild life.)

DATE : 12/04/2019 , Friday

TIME : 10 :00 to 1:00 A.M..

TOTAL MARKS : 70

Q-1

CHOOSE CORRECT ANSWER :

10

- 1 Fertilization of ovum occur in _____.
a. Vagina b. Uterus c. Fallopian tube d. All of these
- 2 ----- induces ovulation from the ovary.
a. Oxitocin b. Progesteron c. Estrogen d. LH
- 3 A Smaller substance that has reactivity but lacks immunogenicity is called _____.
a. Epitopes b. Antibody c. Haptane d. Antigen.
- 4 The lymph vessel remain in the centre of intestinal villi is called as :
a. Right lymphatic duct b. Thorasic duct c. Lacteals d. None.
- 5 The process of killing cocoons is called as:
a. Reeling b. Stifling c. Spinning d. none
- 6 Mercury is toxic metal, which come to the lime lite after the incidence of ----- in japan.
a. Mina mata disease b. Blue baby disease c. Itai-itai disease d. none
- 7 -----founded in 1881 & conducts research,educational activities and field work.
a. I.B.W.I b. B.N.H.S. c. W.W.F. d. W.P.S.I.
- 8 Snow leopard is protected in _____ sanctuary.
a. Dachigam b. Kazi ranga . c. Manas national park d. Kaimur sanctuary.
- 9 Semen's secondary liquification is due to _____ enzyme.
a. Spermin b. Choline c. Fibrinolysin d. Hyaluronidase.
- 10 In life history of honey bee,----- emerges from unfertilized eggs.
a. Worker b. Queen c. Drones d. Sterile females

(1)

(P.T.O.)

Q-2	ANSWER IN SHORT : (ANY TEN)	20
1	Write about Liquor folliculi.	
2	Draw a neat and labelled diagram of Seminiferous tubules.	
3	What are the atretic follicles ?	
4	Write about B cell.	
5	Write about primary and secondary lymphoid organs.	
6	Explain brief cysterna chyli.	
7	What type of food is given to developing <i>Macrobrachium rosenburgi</i> .	
8	What are foragers ?	
9	Write the sources of arsenic and lead.	
10	Write about the great indian Bustard.	
11	Write any two wild life organisation & write their functions.	
12	Define endangered animals and extinct animals.	
Q-3	Describe : Human Sperm and chemistry of Semen.	10
	OR	
Q-3	Explain human male and female reproductive organs with diagram.	10
Q-4	Describe :	
A	Describe in brief : immunity.	05
B	Types of immune responses.	05
	OR	
Q-4	What is lymph ? Describe the human lymphatic system in detail.	10
Q-5	Explain :	
A	Automobile emission.	06
B	Life cycle of Lac insect	04
	OR	
Q-5	Explain :	
A	Prawn culture.	06
B	Heavy metals.	04
Q-6	A Write about national parks and sanctuaries of Gujarat.	10
	OR	
Q-6	A What is wild life conservation ? Describe various methods of wild life conservation	06
B	Discuss concepts of threatened species.	04