Higher Secondary Second year

Model Question Paper – 3

Zoology

Time: 2.30 hours			M	arks : 70
Se	ection- I			
I))Answer all the questions				15X 1 = 15
Choose the most suitable answer from code and the Corresponding answer	_	n four alter	natives and wr	ite the option
Which type of muscular exercise is l	beneficial f	or cardio-va	ascular system	
a) Isometric contraction	b)	Isotonic c	ontraction	
c) Both a and b	d)	Anaerobic	muscular cont	raction
Unsaturated fatty acids are abund	dant in			
a) Coconut oil b) saafflower	oil c) butt	er d) vana	spathy	
Match the following and find the	correct a	nswer		
a) Hyper secretion of growth	hormone	in adults	A) Hyper glyc	emia
b) Hyper secretion of thyroxir	ne in adul	ts	B) Critinism	
c) Hypo secretion of thyroxine	e in childre	en	C) Myxoedem	а
d) Hypo secretion of Insulin			D) Acromegaly	y
a) I) C ii) D	iii) A	iv) B		
b) I) D ii) C	iii) B	iv) A		
c) I) B ii) D	iii) A	iv) C		
d) I) C ii) A	iii) D	iv) B		
Which of the following is antiretro	o viral dru	ıg		
a) Interferon b) Pencillion	c) Zidov	/udin	d) Streptomyc	in
The virus used to prepare small	pox vacc	ne is		
a) Adeno virus	b) Pox v	rirus		
c) Variola virus	d)	Vaccinia	virus	
Acquired immunity is found in				
a) Insects b) Snails	c) Starfish	d) Bir	ds and mamma	als

Transfer of immune products from an individual in to non-immune individual

b) Passive Adaptive immunity

d) Non-specific immunity

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a) Innate Immunity

c) Active adaptive immunity

8	Which of the following is soluble Antigen?
	a) Virus b)Bacterial toxin c) Bacteria d) Erythrocytes
9	If the palindrome sequence GGATTC read in 5'-3' direction the sequence on the opposite
	direction is
	a) GGATTC b) CCATTC c) CCTAAG d) CTTAAG
10	Which of the following is not related to Huntington's chorea?
	a) Uncontrolled twitching of voluntary muscles b) depression
	c) Occasional hallucination d) Partial albinism
11	A good choice among all the alternative fuel option is
	b) Natural Gas b) Butane
	c) Hydrogen d) Gobar gas
12	India's first power plant generating electricity from ocean energy is commissioned at
	A) Chennai b) Vizhinam
	c) Masoolipattinam d) Vizagapattinam
13	Minorca originated from
	A) Europe b) Asia
	c) Spain d) Australia
14	The life span of queen bee is
	A) 4-5 years b) 3-4 years
	c) 2-3 years d) 5-6 years
15	How many cocoons are required to obtain 1 Kg of raw silk?
	a) 50,000 b) 55,000
	c) 45,000 d) 40,000
	Section- II
	Write any six of the following 6x2=12
16	Identify True and False Statement
	a) Menstrual cycle ceases during pregnancy
	b) Leydig cells are found in the ovary
17	What is cataract?
18	What is bubonic plague? What are its symptoms?
19	Name two auto immune diseases

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What is the reason for albinism?

21 What are biomedical wastes? How are they disposed off? 22 What are the symptoms for anthrax? 23 Name any four milch breeds 24 What is integrated fish culture? **Section-III** Answer any Six of the following in which question no. 30 is compulsory 6x3=1825 Name the following hormone a) Hyper glycemic hormone b) Hypocalcemic hormone c) Anti diuretic hormone What is reflex arc? What are the organs involved in it? 26 27 Write a note on amoebiasis. 28 List out the Primary Lymphoidal organs. 29 What is pedigree Chart? What are the diseases identified by pedigree chart? 30 Why should biodiversity be conserved? 31 What are the uses of bee venom?(Any three) 32 What is 'Bottle Neck' effect? Which is the best medicinal food of 21st century? Why? 33 **Section-IV** Give the answer for the following questions $5 \times 5 = 25$ 34 What are dental caries? Explain its symptoms and treatment. Or Explain the mechanism of breathing. 35 Write an essay about symptoms, diagnosis control and management of AIDS.

Or

What are the symptoms of graft rejection? What are the measures taken to prevent graft rejection?

36 Explain about human genetical diseases sickle cell anaemia and Huntington's chorea.

Or)

Explain about the management of Hazardous wastes.

37 Describe ECG [Electrocardiogram]

Or)

Describe genetic drift (or) sewall wright effect.

38 Describe about induced breeding technique in fish.

(Or)

What are environment and public health hazards caused by aquaculture practice. What are the steps taken by Government to overcome this?