## **BIO - ZOOLOGY ONE MARKS (CHAPTER 7,8 AND 9)**

1. The disease Shigellosis (Bacillary dysentery) in human is caused by a. Shigella sp. b. *Yersinia pestis* c. Vibrio cholerae d. Clostridium tetani 2. The disease Bubonic plague (Black death) in human is caused by d. Clostridium tetani a. Shigella sp. b. Yersinia pestis c. Vibrio cholerae 3. The disease Diphtheria in human is caused by a. Corynebacterium diphtheriae b. Yersinia pestis c. Salmonella typhi d. Clostridium tetani 4. The disease Cholera in human is caused by a. Corynebacterium diphtheriae b. Yersinia pestis c. Salmonella typhi d. Vibrio cholerae 5. The disease Tetanus (Lock jaw) in human is caused by a. Corynebacterium diphtheriae b. Clostridium tetani c. Salmonella typhi d. Vibrio cholerae 6. The disease Typhoid (Enteric fever) in human is caused by a. Corynebacterium diphtheriae b. Clostridium tetani c. Salmonella typhi d. Vibrio cholerae 7. The disease Pneumonia in human is caused by a. Streptococcus pneumoniae b. Mycobacterium tuberculosis c. Yersinia pestis d. Vibrio cholerae 8. The disease Tuberculosis in human is caused by a. Streptococcus pneumoniae b. Mycobacterium tuberculosis c. Yersinia pestis d. Vibrio cholerae 9. The disease Common cold in human is caused by a. Rhino viruses b. Hepatitis – B virus c. Rubella virus d. Mumps virus 10. The disease Mumps in human is caused by a. Rhino viruses b. Mumps virus c. Rubella virus d. *Hepatitis – B virus* 11. The disease Measles in human is caused by a. Hepatitis – B virus b. Rubella virus c. Mumps virus d. Rhino viruses 12. The disease Viral hepatitis in human is caused by a. Rhino viruses b. Mumps virus c. Rubella virus d. *Hepatitis – B virus* 13. The disease Chicken pox in human is caused by a. H1N1 virus b. Zoster virus c. Flavi virus d. Alpha virus 14. The disease Poliomyelitis in human is caused by a. Polio virus b. Zoster virus c. Flavi virus d. Alpha virus 15. The disease Dengue fever in human is caused by b. Zoster virus c. Flavi virus a. Polio virus d. *Alpha virus* 16. The disease Chikungunya in human is caused by a. Polio virus b. Zoster virus c. Flavi virus d. Alpha virus 17. The disease Swine flu in human is caused by b. H1N1 virus a. Polio virus c. Flavi virus d. Alpha virus 18. The disease Amoebiasis in human is caused by a. Trypanosoma species b. Leishmania donovani c. Entamoeba histolytica d. Plasmodium falciparum 19. The disease African sleeping sickness in human is caused by a. Trypanosoma species b. Leishmania donovani c. Entamoeba histolytica d. Plasmodium falciparum 20. The disease Kala – azar in human is caused by a. Trypanosoma species b. Leishmania donovani c. Entamoeba histolytica d. Plasmodium falciparum 21. The disease malaria in human is caused by

	a. Trypanosoma species	b. Leishmania donova	ıni
	c. Entamoeba histolytica	d. Plasmodium falcipa	arum
22.	The disease Athlete's foot in human is cause	d by	
	a. Trypanosoma species	b. Tinea pedis	
	c. Ascaris lumbricoides	d. Wuchereria bancro	fti
23.	The disease Ascariasis in human is caused by	y	
	a. Trypanosoma species	b. Tinea pedis	
	c. Ascaris lumbricoides	d. Wuchereria bancro	ofti
24.	The disease Filariasis in human is caused by		
	a. Trypanosoma species	b. Tinea pedis	
	c. Ascaris lumbricoides	d. Wuchereria bancro	fti
25.	The disease Dengue fever in human is transr	<u>-</u>	
	a. Aedes aegypti b. Anopheles mosquito	<del>-</del>	d. Musca domestica
26.	The disease Amoebiasis in human is transmi	•	
	a. Aedes aegypti b. Anopheles mosquito	-	d. Musca domestica
27.	The disease Chikungunya in human is transr	•	
	a. Aedes aegypti b. Anopheles mosquito		d. Musca domestica
28.	The disease malaria in human is transmitted		
	a. Aedes aegypti b. Anopheles mosquito	*	d. Musca domestica
29.	The disease African sleeping sickness in hur		
	a. House flies b. Tsetse flies	c. sand fly	d. Anopheles mosquito
30.	The disease Kala – azar in human is transmit	•	
	a. House flies b. Tsetse flies	c. sand fly	d. Anopheles mosquito
31.	The disease Filariasis in human is transmitte		
	a. Aedes aegypti b. Anopheles mosquito	_	d. Musca domestica
32.	The overall ability of body to fight against the		_
	a. immunity b. susceptibility	c. specificity	d. vicinity
33.	Antibody production is the characteristic fea		
	a. amphibians b. invertebrates		d. mammals
34.	The process of production of blood cells in t		
	a. monocytopoiesis b. lymphopoiesis	_	d. haematopoiesis
35.	Bursa of Fabricius is a primary lymphoid org		
	a. reptiles b. birds	c. mammals	d. amphibians
36.	Which is not a primary lymphoid organ		
	a. thymus b. bursa of fabricus	c. lymph node	d. bone marrow
37.	One of the main secretions of thymus is the		
	a. insulin b. interferon	c. thymosin	d. growth hormone
38.	Which is not a secondary lymphoid organ		
•	a. appendix b. tonsils	c. adenoids	d. thymus
39.	The glands located in the roof of the mouth,	behind the soft palate	where the nose connects to
	the throat.		
	a. appendix b. tonsils	c. adenoids	d. thymus
40.	is a secondary lymphoid organ loc	cated in the upper part	of the abdominal cavity
	close to the diaphragm.		
	a. appendix b. tonsils	c. adenoids	d. spleen
41.	The outer most layer of the lymph node is ca		
	a. B-lymphocytes b. T-lymphocytes	c. follicular cells	d. kuffer cells
42.	The paracortex zone is beneath the cortex of	• •	•
10	a. B-lymphocytes b. T-lymphocytes	c. follicular cells	d. kuffer cells
43.	The only cells capable of specifically recogn		
	a. lymphocytes b. macrophages	c. monocytes	d. dendritic cells

44.	is a substance capable of initi	ating an immune respon	onse.
	a. adjuvants b. immunogen	c. Haptens	d. antibodies
45.	are substance that are non-imm		
	specific immune response.		
	a. adjuvants b. immunogen	c. Haptens	d. antibodies
46.	Substances that can enhance the immune re		
	a. adjuvants b. immunogen		
47.	is an antigenic determinant and	-	
	a. Haptens b. paratope		
48.	is the antigen – binding site and is		
	to an antigen.	1	8
	a. Haptens b paratope	c. Epitope	d. adjuvants
49.	is the property of a substance (		
	the specific immune response.	( 8. )	I
	a. Antigenicity b. susceptibility	c. specificity	d. vicinity
50.	Light chains (L) of an antibody molecule ha		
	a. 15,000 Da b. 25,000 Da	c. 35.000 Da	d. 45 000 Da
51	Heavy chains (H) of an antibody molecule		
01.	a. 50,000 Da b. 40,000 Da		
52	An antibody molecule is Y shaped structure		u. 70,000 Zu
J			ains
	c. four polypeptide chains	b. six polypeptide cha d. three polypeptide c	chains
53	The process by which a pathogen is marked		
55.	a. agglutination b. precipitation		
54	Measles, Mumps and Rubella (MMR) vacc		
J <b>T.</b>	a. live attenuated vaccine b. killed vacc		
55	DPT vaccine is the type of	inc c. toxords	d. recombinant vaccine
55.	a. live attenuated vaccine b. killed vacc	ine c toxoids	d recombinant vaccine
56	Hepatitis-B vaccine is the type of	inc c. toxoids	d. recombinant vaccine
50.	a. first generation vaccine	b. second generation	vaccina
	c. third generation vaccine	<ul><li>b. second generation</li><li>d. DNA vaccine</li></ul>	vaceme
57	Who discovered vaccine against rabies, and		
	<ul><li>a. Louis Pasteur</li><li>c. Calmette and Guerin</li></ul>	d. Dr. Albert Sabin	
50	Who prepared first vaccine for small pox in		
50.	a. Louis Pasteur	b. Dr. Edward Jenner	
		d. Dr. Albert Sabin	
50	c. Calmette and Guerin Polio vaccine was developed by		malia vaasima)
39.		b. Dr. Edward Jenner	
	a. Louis Pasteur		
60	c. Calmette and Guerin	d. Dr. Albert Sabin	is in Engage in the year
ou.	BCG vaccine was developed by	against tuberculos	is in France in the year
	1908.	1 D E1 11	
	a. Louis Pasteur	b. Dr. Edward Jenner	
-1	c. Calmette and Guerin	d. Dr. Albert Sabin	
61.	Allergy is a form of over active immune res	•	
	a. IgE b. mast cells	c. IgA	d. both a and b
62.	results from the failure of one o	r more components of	the immune system.
	a. Immunodeficiency b. allergy		d. auto immune deficiency
63.	HIV is seen as a spherical virus and		
		c. 100-120nm	d. 160-180nm
64.	At the core of HIV contain two large		

a. single stranded RNA	b. double stranded DNA
c. single stranded DNA	d. double stranded RNA
65. RNA genome of the virus repli	eates to form viral DNA with the help of the enzyme
	criptase c. topoisomerase d. DNA polymerase
66. The preliminary test of AIDS is	
	n blot c. widal test d. ELISA
67. More reliable and a confirmato	ry test of AIDS is
a. PCR b. wester	·
68. The LAB bacteria grows in mil	k and convert it into curd, thereby digesting the milk protein
	c. renin d. trypsin
69 are compounds in foo	d (fibers) that induce the growth or activity of beneficial
microorganisms.	
a. Antibiotics b. Symbol	otics c. Probiotics d. Prebiotics
	ms intended to provide health benefits when consumed,
generally by improving or resto	ring the gut flora.
	tics c. Symbiotics d. Antibiotics
71. The flavour in yogurt is due to	
a. casein b. rennet	c. renin d. acetaldehyde
72. During cheese production, milk	is usually acidified and the enzyme is added to
cause coagulation.	
a. casein b. rennet	c. renin d. acetaldehyde
73. Which is called Baker's Yeast	
a. Propionibacterium shermani	b. Saccharomyces cerevisiae
c. Lactobacillus lactis	d. Streptococcus thermophilus
74. Antibiotic means	
a. good life b. suppo	ts lifec. against life d. no life
	nycin and was the first to use the term "antibiotic" in 1943.
	nder Fleming c. Earnest Chain d. Howard Florey
76 is also referred as the	
	yclinec. Streptomycin d. erythromycin
77. Which was the first antibiotic d	iscovered by Alexander Fleming in 1926.
a. Penicillin b. Tetrac	yclinec. Streptomycin d. erythromycin
78 is the property of and	ibiotics to kill microorganisms.
	nicity c. immunity d. susceptibility
79 is bactericidal against	t both gram positive and gram negative bacteria, especially
against Mycobacterium tuberci	losis.
a. Penicillin b. Tetrac	yclinec. Streptomycin d. erythromycin
80 is an applied science	which deals with the biochemical process of fermentation and
its practical uses.	
a. Zymology b. Cidero	logy c. Brewology d. Oenology
81 is the science and stu	dy of wine and wine making.
a. Zymology b. Cidero	logy c. Brewology d. Oenology
82. In some parts of South India, a	traditional drink calledis obtained from fermenting sap
of palms and coconut trees.	
a. pathaneer b. toddy	c. paneer d. soda
83. World biofuel day is observed	every year on
	october c. 10th March 10th November
84. Choose the correct option	
Microbes	Organic acid
A. Aspergillus niger B. Acetobacter aceti	i) Butyric acid
D A + - 1 + +	ii) Fumaric acid

	C. Rhizopus oryzae - iv) A		
	D. Clostridium butyricum - iv) C	Citric acid	
	a. A-i B-ii, C-iii, D-iv b. A-iv B-iii,	C-ii, D-i c. A-iv B-ii, C-iii, D	-i d. A-iv B-i, C-ii, D-iii
85.	are used in detergent form		
	laundry.		, and a second
	a. Lipases b. amylase	c nectinase	d strentokinase
86	are used as "clot buster	", for removing clots from the	hlood vessels of nationts
ou.			e blood vessels of patients
	who have undergone myocardial inf		1
	a. Lipases b. amylase		
87.	produced by the yeast Mor	<i>ascus purpureus</i> have been u	sed to lower blood
	cholesterol levels.		
	a. Lipases b. amylase	c. statins	d. streptokinase
88.	an immunosuppressant us	sed in organ transplantation is	produced from the fungus
	Trichoderma polysporum.		
	a. Cyclosporin A b. amylase	c. statins	d. streptokinase
89.	It is multi- plasmid hydrocarbon-deg		
	the oil spills	5	
	a. Pseudomonas putida	b. Nitrosomonas eur	congeg
	c. Ideonella sakaiensis		nonas aromatica
90.	is also capable of degradi		alogenated organic
	compounds including trichloroethyle	ene and vinyl chloride.	
	a. Pseudomonas putida	b. Nitrosomonas eur	ropaea
	c. Ideonella sakaiensis		nonas aromatica
91.	is currently tried for recy		
	a. Pseudomonas putida	b. Nitrosomonas eur	ораеа
	c. Ideonella sakaiensis	d. Dechloron	nonas aromatica
92.	Insulin is formed of amino acid		olypeptide chains, A and B
		d. 61	
93.	Insulin polypeptide chain A has		
	a. 15 b. 21		d.51
94.	Insulin polypeptide chain B has	_ amino acids.	
	a. 15 b. 21	c. 30	d.51
95.	was the first ever pharmaceut	tical product of recombinant I	ONA technology
	administered to humans.		
	a. Insulin b. interferon	c. vaccine	d. glucagon
96.	In 1997, Rosie, the first transgenic of	ow produced human protein	enriched milk, which
	contained the	-	
	a. human alpha lactalbumin	c. human insulin	
	c. human glucagon	d. human interferon	
97.	Therapy which involves insertion of		lace the missing gene
	product is	and the second second second	
	a. Gene augmentation	b. Gene inhibition	
	c. Gene mutation	d. Gene deletion	
20	Therapy which involves insertion of		hibits the expression of the
76.	dominant gene is	the and sense gene which in	monts the expression of the
		h Cana inhihitian	
	a. Gene augmentation	b. Gene inhibition	
00	c. Gene mutation	d. Gene deletion	sing love shed in 1007
99.	The recombinant vaccine for		tine faunched in 1997.
	a. Diabetes mellitus	b. common cold	
	c. malaria	d. hepatitis B (HbsAg)	

with deficiency.	en in 1990 by French Anderson to a four year old girl
<del>_</del>	ne c. adenosine deaminase d. RBC
101 can develop into more than 20	
	c. brain cells d. liver cells
102 is a rich source of adult stem	
a. spermatogonia cells	b. yellow bone marrow d. red bone marrow
	nd produce all of the differentiated cells in an organism
	c. Totipotency d. Oligopotency
	ool to determine if a person is HIV positive or negative
	c. Widal test d. Urine test
05. The technique PCR was developed by	(Nobel laureate, 1993) in the year 1983.
a. Eva Engvall and Peter Perlmann	
•	d. Best and Banting
	om the pancreatic islets of a dog and demonstrated its
effectiveness against diabetes.	
a. Eva Engvall and Peter Perlmann	
c. Ian Wilmut and Campbell	d. Best and Banting
07. ELISA is a biochemical procedure dis	covered by to detect the presence of
specific antibodies or antigens in a sar	
a. Eva Engvall and Peter Perlmann	b. Kary Mullis
c. Ian Wilmut and Campbell	d. Best and Banting
	is denatured to separate into two individual strands by
high temperature. This is called	
a. renaturation b. synthes	sis c. annealing d. denaturation
09. The primer template is used to synthes	
a. Taq – DNA polymerase b.	
	Isomerase
	aplifications of RNA in which case it is referred to as
	c. RT-PCR d. Western blot
	Textra (foreign/exogenous) DNA into the genome of
the animals to create and maintain stal	
· · · · · · · · · · · · · · · · · · ·	c. transcription d. Gene therapy
	called the transgene and the animals that are produced
by DNA manipulations are called	caned the transgene and the annuals that are produced
a. transgenic animals	h the consticulty engineered
	b. the genetically engineered d. all the above
c. genetically modified organisms	
13. Dolly was the first mammal (Sheep) c	
a. Eva Engvall and Peter Perlmann	
c. Ian Wilmut and Campbell	$\mathcal{E}$
	al, species specific substances produced by
mammalian cells when infected with v	
a. Alpha lactalbumin c. Insulin	
	thogenic organism rather than the whole organism are
called	
a. Subunit recombinant vaccines	b) attenuated recombinant vaccines
c) DNA vaccines	d) conventional vaccines
16are used for testing the safe	ty of vaccines.
	Transgenic fish
c. Transgenic cow d.	Transgenic sheep