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-	2	•	200	

Potassium iodide

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Number						

					Register Number	ologe	
			Part		OOLOGY		
			(English V	ersion)	ell rollin and	
Tin	ne Allo	wed: 3 Hou	urs]			[Maximum	Marks: 150
				PART	- I		
		Note: i)	All the que	stions are	to be answere	d.	, selle , v
		ii)	Choose and	d write the	correct answe	ers in the ans	wer-book.
				41)		- · · · · · · · · · · · · · · · · · · ·	30 × 1 = 30
1.	The l	numan disea	se caused d	ue to autos	omal dominar	nt gene is	
	a) :	Huntington's	s chorea	b)-	Albinism	1919)88610	
	c) '	Thalassemia		d)	Sickle cell a	naemia.	
2.	The a	utomated m	achines to r	ead hundre	eds of bases in	n the DNA are	
	a)]	Electrocardio	ogram	b)	Sequenators	3	
	c) 1	Manometer		d)	Autoanalyse	r.	
3.	Super	r bugs are go	enetically en	gineered			
	a) \	Viruses		b)	Bacteria		
	c) I	rungi		d)	Algae.	merekan sabes	
4.	The p	articles that	initiate rain	by seeding	clouds method	od are	
	a) S	Sodium chlor	ide	b)	Potassium c	hloride	

Chlorofluorocarbons.

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5.	W	nich one of the following	is not a dual	breed variety of cattle?
	a)	Ongole	. b).	Karan Swiss
	c)	Tharparker	d)	Kankrej.
6.	Th	e triose sugar is		
	a)	Fructose	b)	Galactose
,	c)	Glyceraldehyde	d)	Glucose.
7.	Wł	nich one of the following	is not a protei	in digesting enzyme?
j-	a)	Trypsin	b)	Carboxy peptidase
	c)	Renin	d)	Sucrase.
8.	Wh	nich of the following ions	initiates the	chemical events of muscle contraction
	a)	Sodium	b)	Calcium
	c)	Potassium	d)	Chloride.
9.	Wh	ich part of the brain co	ntains sleep ce	entre and respiratory centre?
	a)	Mesencephalon	b)	Diencephalon
	c)	Rhombencephalon	d)	Prosencephalon.
10.	The	organ of corti is located	l on	
	a)	Basilar membrane	b)	Reissner's membrane
	c)	Plasma membrane	d)	Tympanic membrane.
11.	The	exotic breed of fowl is		
nasaani				
	a)	Chittagong	b)	Leghorn
	c)	Aseel	d)	Busra.

12.	Which of the following Vitamins are rich in fish?			16.03° 1.08°	
*	a)	Vitamins A and B	b)	Vitamins D and K	
	c)	Vitamins A and D	d)	Vitamins B and E.	
13.	Prog	gressive increase in WBC count	indica	ntes	
	a)	Anaemia	b)	Polycythemia	
	c)	Thalassemia	d)	Leukemia.	
14.	Roy	al jelly is secreted by		AN OWN LUBE OOK	
	a)	Queen bee	b)	Worker bee	
	c)	Drone bee	d)	Larva.	
15.	The	infecting agent of Pebrine disea	se is		
	a)	Fungus	b)	Virus	r en
	c)	Bacteria	d)	Protozoa.	
16.	Whi	ch one of the following represen	ts hy	pertension blood pressure	?
	a)	120/80 mm Hg	b)	130/90 mm Hg	
	c)	160/95 mm Hg	d)	95/160 mm Hg.	
17.	The	transmitter substance of stimul	us is		
	a)	Acetyl choline	b)	Potassium chloride	
	c)	Interferon	d)	Calcium ions.	

505	3	Tabil at rocks	4	bec. 187 satisfully for following 181
18.	Pro	tein deficiency disease is called		
	a)	Beriberi	b)	Rickets
	c)	Anaemia	d)	Kwashiorkor.
19.	C-1	8 steroid hormone is		Office of the second of the se
	a)	Testosterone	b)	Progesterone
	c)	Oestrogen	d)	Relaxin.
20.	The	industrial Noise Survey of India	has	recognised permissible noise level fr
	a)	200 dB to 250 dB	b)	81 dB to 120 dB
	c)	150 dB to 200 dB	d)	100 dB to 130 dB.
21.	Gen	etic drift is referred to as		
	a)	Somatic variation	b)	Bottle neck effect
	c)	Disruptive selection	d)	Mutation.
22.	The	connection between sickle cell a	naen	nia and malaria was established by
	a)	Darwin	b)	Allison
	c)	Lamarck	d)	August Weismann.
23.	The	mosquito larvae-controlling fish	is	
	a)	Salmon (1994 to 1994) Ri	b)	Tilapia
	c)	Gourami	d)	Trout.
24.	The	suitable hardness for the growt	h of i	fish in pond water is
	a)	15 ppm	b)	14 ppm
	c)	13 ppm	d)	12 ppm.

25.	Wh	ch of the following is cultured	d in met	ahaline culture system?
	a)	Pinctada fucata	b)	Channa striatus
	c)	Tilapia mossambica	· d)	Artemia salina.
26.	The	permanent birth control met	hod in n	nale is
	a)	Condom	b)	Copper-T
	c)	Vasectomy	d)	Tubectomy,
27.	A sy	ystem for 'antiseptic' surgery	was disc	covered by
	a)	Louis Pasteur	b)	Robert Koch
	c)	Gallo	d)	Joseph Lister.
28.	Wh	ich of the following plays	a role	in the development of cell mediated
	imn	nunity?		
*	a)	Thymus	b)	Spleen
1 .	c)	Liver	d)	Pancreas.
29.	Dur	ing inflammatory response, v	vhich typ	pe of cells influx into the affected area?
	a)	T-Lymphocytes	b)	Phagocytic cells
	c)	Erythrocytes	d)	Monocytes.
30.	The	autoimmune disease is		See Manager the Important steps in rear
	a)	AIDS	b)	SCID
	c)	Multiple sclerosis	d)	Alzheimer's disease.

PART - II

Note: Answer any fifteen questions.

 $15 \times 3 = 45$

- 31. How will you calculate Body Mass Index? Mention its normal range in adult.
- 32. Write any three causes for peptic ulcer.
- 33. What is Rigor Mortis?
- 34. Write a brief note on cardiopulmonary resuscitation.
- 35. Define primary memory.
- 36. Draw the negative feedback mechanism of TSH.
- 37. Write any three functions of skin.
- 38. What are the control measures for Ascariasis?
- 39. What are the three functions of antibodies?
- 40. Write any two uses of Karyotyping.
- 41. What is differentiation?
- 42. What are the effects of ozone depletion on human health?
- 43. Define outbreeding.
- 44. Mention the important steps in rearing of chickens.
- 45. Write about the T wave of ECG.
- 46. Write the uses of Stethoscope.

- 47. Write a brief note on Tasar silk.
- 48. State the theory of inheritance of acquired characters proposed by Lamarck.
- 49. What is Hapa? Mention its uses.
- 50. What is pole culture?

PART - III

Note: Answer any seven questions including Question No. 56 which is compulsory. $7 \times 5 = 35$

- 51. Write about any five types of bone fracture.
- 52. How are test tube babies produced?
- 53. Explain three types of viral culture.
- 54. Enumerate the adaptations of pathogenic microbes.
- 55. How is graft rejected? Mention the symptoms of graft rejection.
- 56. Briefly describe the reasons for decline of biodiversity.
- 57. Write various measures to eradicate poverty in human society.
- 58. Write a short note on milk fever.
- 59. Give an account of chemical composition and uses of honey.
- 60. What are the mechanisms that prevent interspecific crosses?
- 61. Enumerate the prospects of aquaculture.
- 62. Write short notes on any two fresh water ornamental fishes.

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PART - IV

Note: Answer any four questions.

 $4 \times 10 = 40$

- 63. Describe the mechanism of breathing with diagram.
- 64. Explain the importance of pancreas as an endocrine gland.
- 65. Explain the mechanism of urine formation.
- 66. Write an essay on symptoms, control and management of AIDS.
- 67. Give an account of Human Genome Project.
- 68. Write the effects of Global warming and the steps to be taken to control it.
- 69. What is computed tomography scan? Comment on its advantages and uses.
- 70. Write an essay on 'induced breeding in fish culture'.