Tirunelveli District Common Half Yearly Examination - 2024



Standard 12 ZOOLOGY

Marks: 70

Tir	me: 3.00 Hours ZOOLOG	Y	Marks: 7
			15×1=1
I.	Answer all the questions:	actoria is by	201
	1) The mode of sexual reproduction, in t	b) Endospore form	ation
	a) Formation of gametes	d) Zoospore forma	tion
	c) Conjugation	a) Zoospore forma	birth is called
	The milk secreted by the mammary gl	c) Lactose	d) Sucrose
	a) Mucous b) Colostrum 3) Which of the following is correct regar	ding HIV, hepatitis B	, Gonorrhoea ar
	trichomoniasis?		
	a) Gonorrhoea is a STD whereas othe	rs are not	etorial
	b) Trichomoniasis is a viral disease wh	ereas others are ba	Cleriai
	c) HIV is a pathogen whereas others	are diseases	not
	d) Hepatitis B is eradicated completel	y wnereas otners ar	e not.
	Choose the correct pair	The state of the s	We are
	a) Turner Syndrome - xxy male		
	b) Klinefelter syndrome - xo female		
	c) Down syndrome - Trisomy 23		F365-
	d) Patau's syndrome - Trisomy 13		
	5) An operon is a	10.000	
	a) Protein that suppresses gene expre	ssion	-
	b) Protein that accelerates gene expre	ession	
	c) Cluster of structural gene with rele	ated function	
	d) Gene that switched other genes or	or off	
	6) Modern man belongs to which period?	No. of the Assessment	A) Combine
	a) Quarternary b) Cretaceous	c) Silurian	d) Cambrian
	7) Haemozoin is		
	a) A precursor of haemoglobin b) A toxin from streptococcus		
	c) A toxin from plasmodianum species d) A toxin from Haemophilus species		
	8) B cells that produce and release large	amount of antibody	are called
	a) Memory cells b) Basophils	c) Plasma cells	d) Killer cells
	 CO₂ is not released during 	1,0 / 99D 10 PO J	
	a) Alcoholic fermentation	b) Lactate fermentation	
	c) Aerobic respiration in animals	Aerobic respiration in animals d) Aerobic respiration in plants	
	10) Transgenic animals are those which ha	ive	
	a) Foreign DNA in some of their cells		
	b) Foreign DNA in all their cells		
	c) Foreign RNA in some of their cells	-	
	d) Foreign RNA in all their cells		
	11) The relationship between sucker fish a	ind shark is	
	a) Competition b) Commensalism	c) Predation	d) Parasitism
	12) The organization which published the	red list of species is	
	a) WWF b) IUCN	c) ZSI	d) UNEP
	13) Which one of the following are at high ris	k extinction due to h	
	a) mammals b) birds	c) amphibiuns	d) Echinoderms
	14) is / are an ideal disinfectan	t for waste water?	the same of the
	a) U.V.Rays b) Chlorination	c) Boiling	d) Ozonisation

15) 'The Thickness' of stratospheric ozone layer is measured in / on: b) Dobson units a) Siverts Units

c) Melson units

d) Beaufort scale

Part-II

II. Answer any 6 questions. Q.No. 24 is compulsory.

6×2=12

- 16) What is known as Paedogamy?
- 17) What is the composition of semen?
- How are SIDs transmitted?

127 Define Transcription.

- 20) List out the major gases seams to be found in the primitive earth
- 21) List out the withdrawel symptoms alcoholic addicts
- 22) List out chemical alarm signals produced during inflammation.
- 23) Define Bergmann's rule
- 24) Write notes on Algal Bloom

Part - III

III. Answer any 6 questions. Q.No. 33 is compulsory.

6×3=18

- 25) Differentiate Inter sexes from super sexes
- 26) State any three goals of the human genome
- 27) What is colostrum? Write its significance
- 28) Why do you think it is not possible to produce vaccine against 'common cold'?
- 29) How does saliva act in body defence?
- 30) Write short notes on Brewer's yeast
- 31) Differentiate digopotency from unipotency
- 32) What are called endangered species?
- 33) "Amazon forest is considered to be the lungs of the planet"-Justify this statement

Part - IV

IV. Answer all the questions.

5×5=25

- 34) a) Describe the structure of the human ovum with a neat labelled diagram (OR)
 - b) Define infertility. Write its causes
- 35) a) Explain the genetic basis of ABO blood grouping in man

(OR)

- b) Explain the formation of a nucleosome
- 36) a) Mention the main objections of Darwinism

(OR)

- b) Explain the structure of Immunoglobulin with suitable diagram
- 37) a) What is referred to as industrial alcohol? Briefly describe its preparation? (OR)
 - b) List out the adaptions soon in terrestrial animals
- 38) a) How can we contribute to promote biodiversity conservation?

(OR)

b) How can we control eutrophication?