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FIRST REVISION TEST - 2023

Standard - XII

Time : 3.00 hrs

ZOOLOGY

Marks: 70

Part - I

Answer all the questions:-

15×1=15

- 1) In which Partheno genesis only males are produced?
 - a) Arrhonotoky
 - b) Amphitoky
 - c) Thelytoky
 - d) Predogenetic Parthenogenesis
- 2) Increase in the concentration of the toxicant at successive trophic levels is known as
 - a) Bio defeciation
 - b) Bio transformation
 - c) Bio geochemical cycling
 - d) Bio magnifications
- 3) Predation and Parasitism are which type of interaction?
 - a) (+, +)
 - b) (+, 0)
 - c) (-, -)
 - d) (+, -)
- 4) Excess of flouride in drinking water causes
 - a) Lung disease
 - b) intestinal infection
 - c) Fluorosis
 - d) None of the above
- 5) How many amino acids are arranged in the two chains of Insulin?
 - a) Chain A has 12 and Chain B has 13 amino acids
 - b) Chain A has 21 and Chain B has 30 amino acids
 - c) Chain A has 20 and Chain B has 30 amino acids
 - d) Chain A has 12 and Chain B has 20 amino acids
- 6) Cry toxins obtained from Bacillus thuringiensis are effective against for ____
 - a) Mosquitoes
 - b) Flies
 - c) Nematodes
 - d) Bollworms
- 7) Cirrhosis of liver is caused by Chronic intake of ____
 - a) Opium
 - b) Alcohol
 - c) Tobacco
 - d) Cocaine
- 8) Which period was called "Age of fishes"
 - a) Permian
 - b) Triassic
 - c) Devonian
 - d) Ordovician
- 9) An operon is a
 - a) Protein that Suppresses gene expression
 - b) Protein that accelerates gene expression
 - c) Cluster of structural genes with
 - d) Gene that switched other genes on or off
- 10) Choose the correctly match pairs


a) Amphetamines	-	stimulant
b) LSD	-	Narcotic
c) Heroin	-	Psychotropic
d) Benzodiazepine	-	Painkiller
- 11) Several hormones like hCG, hPL, oestrogen and progesterone are produced by
 - a) Ovary
 - b) Placenta
 - c) Fallopian tube
 - d) Pituitary
- 12) Match and select the correct option

Column I	Column II
a) Proliferative phase	- 1. break down of endometrial lining
b) Secretory phase	- 2. Follicular phase
c) Menstruation	- 3. Luteal phase
a) a-3, b-2, c-1	b) a-2, b-3, c-1
	c) a-1, b-3, c-2
	d) a-3, b-1, c-2

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(2)

XII ZOOLOGY

- 13) Animals that can move from fresh water to seawater is called as
 a) Catadromous b) Stenothermal c) Andromas d) Eurythermal
- 14) This symbol used in Pedigree analysis denotes 
 a) monozygotic twins b) mating
 c) consanguineous marriage d) dizygotic twins
- 15) Which of the following is a hormone releasing intrauterine device (IUD)
 a) Multiload 375 b) LNG - 20 c) Cervical cap d) Vault

Part - II

Answer any six of the following. Question No.24 is compulsory:- **6×2=12**

- 16) What is Redogenetic Parthenogenesis? Give one example.
- 17) How are STDs transmitted?
- 18) Differentiate: Template strand / Coding strand
- 19) Differentiate bacillary dysentery / Amoebic dysentery?
- 20) What are haptens?
- 21) What is biological oxygen demand?
- 22) What is Red data Book?
- 23) What is colostrum? Explain its importance?
- 24) What are ecosan toilets.

Part - III

Answer any six of the following questions. Question No.33 is compulsory: 6×3=18

- 25) What are Coacervates?
- 26) Draw a labelled sketch of Ovum.
- 27) What are symptoms of down's syndrome.
- 28) What are Auto immune disease? give example.
- 29) Write the applications of PCR.
- 30) What is Co-extinction?
- 31) Write short notes on Eutrophication.
- 32) What is withdrawal syndrome
- 33) Differentiate convergent Evolution / Divergent evolution

Part - IV

Answer all the questions:- **5×5=25**

- 34) Explain the various phases of menstrual cycle. **[or]**
 Explain the different Intra uterine device.
- 35) Explain sex determination in human beings? **[or]**
 Explain the salient features of genetic code?
- 36) Explain Industrial melanism? **[or]**
 Describe the bacterial diseases (any five)
- 37) Explain Innate immunity. Describe its types and mechanisms? **[or]**
 Explain animal cloning.
- 38) What is Extinction? What one types of extinction? **[or]**
 Classify the adaptive traits found in the organisms.
