

SAMPLE QUESTIONS SEM III

SYBSC ZOOLOGY PAPER –I

UNIT-I

1. 1) In epistasis, the gene which suppresses is called ?
(a) Hypostatic (c) epistatic
(b) Recessive (d) dominant

2. Deaf-mute children in human being is an example of?
(a) Duplicate recessive (c) recessive
(b) Dominant (d) Double dominant.

3. Which is an example of Rh incompatibility ?
(a) Erythroblastosis fetalis (c) coat colour in cats
(b) Coat colour in rabbit (d) Rh+ve mother and Rh+ve father

4. Genotype of chinchilla version ?
(a) CC (c) $c^{ch}c^{ch}$
(b) $c^a c^a$ (d) $c^{ch} c^{ch}$

5. Recessive epistasis is also known as
a) Inhibitory epistasis
b) supplementary epistasis
c) complementary epistasis
d) Acceleratory epistasis.

UNIT – II

1. ZZ-ZW sex determination mechanism is observed in
a) Elephants
b) Birds

- c) Honey bee
- d) Monkeys

2. Genic balance theory was confirmed by

- a) Morgan
- b) Bridges
- c) Mendel
- d) Watson

3. Colour blindness is an example of

- a) Y-linked genes
- b) X-linked genes
- c) Autosomal genes
- d) Mitochondrial genes

4. The range of temperature for formation of crocodile male lies between

- a) 31.7°C to 34.5°C
- b) 31.2°C to 40 °C
- c) 37.1°C to 34.7°C
- d) 37°C

5. Pattern of baldness is an example of

- a) Sex limited genes
- b) Sex influenced genes

- c) Sex determining genes
- d) sex controlling genes

UNIT – III

1. DNA packaging in eukaryotes is carried out with the help of
 - a) Non histone
 - b) Histone
 - c) Deoxy sugars
 - d) Ribose sugars

2. Chromatin which is transcriptionally inactive or late replicating is called as
 - a) Euchromatin
 - b) Heterochromatin
 - c) Somatochromatin
 - d) Transochromatin

3. Evidence for RNA as genetic material in virus was demonstrated by
 - a) Conrat and Singer
 - b) Morgan and Bridges
 - c) Bateson and punnett
 - d) Watson and Crick

4. Transcription of mRNA precursors require the enzyme
 - a) RNA polymerase I
 - b) RNA polymerase II
 - c) RNA polymerase III
 - d) DNA polymerase

5. The smallest RNA containing 75-93 nucleotides is
 - a) mRNA
 - b) rRNA
 - c) tRNA
 - d) sRNA

