

1 Mark Questions

- The line that divided oriental zoogeographic region from that of Australian zoogeographic region is known as
 - Wallace line
 - Darwin line
 - Lyel line
 - Smith line
- The nematodes are
 - acoelomate organism
 - pseudocoelomate organism
 - coelomate organism
 - hemocoelomate organism
- The origin of vertebrate during evolution occurred during
 - Cenozoic era
 - Mesozoic era
 - Paleozoic era
 - Archeozoic era
- Dinosaurs first appeared and adaptive radiation of reptiles took place during
 - Cretaceous period
 - Jurassic period
 - Triassic period
 - Carboniferous period
- The giant panda is a natural inhabitant of
 - India
 - China
 - Australia
 - North America
- Anuran's heart is divided into
 - one-chambered
 - two-chambered
 - three-chambered
 - four-chambered
- The antibody whose concentration is highest in human blood under normal condition is
 - IgM
 - IgA
 - IgE
 - IgG
- The prosthetic group in respiratory pigment haemocyanin is
 - iron
 - copper
 - mercury
 - zinc
- The phenomenon of MHC restriction was discovered by
 - Doherty and Zinkernagel
 - Medawar and Billingham
 - Edelman and Porter
 - Burnet and Nossal
- Working principle behind DNA vaccine is believed to be
 - anti DNA antibody is produced in vaccinated individual
 - the vaccine DNA codes for antibody directed against the pathogen
 - the vaccine DNA codes for antigenic protein which is expressed in the immunized animal
 - the vaccine DNA boosts the immune system of the animal
- The RNA molecule often used to determine evolutionary relatedness is
 - messenger RNA
 - transfer RNA
 - ribosomal RNA
 - SnRNA
- A post pubertal human female would have more number of ova at the age
 - 45
 - 35
 - 25
 - 15
- The precursor for coenzyme-A is
 - niacin
 - thiamine
 - riboflavin
 - pantothenic acid
- A major protein constituent of plasma membrane of erythrocytes is
 - haemoglobin
 - glycophorin A
 - albumin
 - actin
- The codon for amino acid tryptophan is
 - UAA
 - UAG
 - UGA
 - UGG
- Beri-beri is the result of deficiency of
 - vitamin-B₁
 - vitamin-B₂
 - vitamin-B₆
 - vitamin-B₁₂

17. The genes for T-cell receptors were characterised by
- (a) Tonegawa
 - (b) Kabat
 - (c) Benaceraf
 - (d) Jerne

18. The hormone secreted by adrenal cortex is
- (a) adrenaline
 - (b) corticosterone
 - (c) prolactin
 - (d) vassopressin

19. The histone octamer associated with nucleosome contains

- (a) $(H_2A)_4 (H_2B)_4$
- (b) $(H_3)_4 (H_4)_4$
- (c) $(H_2A)_3 (H_2B)_1 (H_3)_1 (H_4)_3$
- (d) $(H_2A)_2 (H_2B)_2 (H_3)_2 (H_4)_2$

20. Which of the following is called "master gland of the endocrine orchestra"?

- (a) Pituitary
- (b) Thyroid
- (c) Thymus
- (d) Adrenal gland