

Biology Q&A – 23<sup>rd</sup> July 2017:

Q1. Among the following, which one lays eggs and does not produce young ones directly?

- (a) Echidna
- (b) Kangaroo
- (c) Porcupine
- (d) Whale

Ans: A

Q2. The hormone insulin is a

- (a) Glycolipid
- (b) Fatty acid
- (c) Peptide
- (d) Sterol

Ans: C

Q3. Antigen is a substance which

- (a) Destroys harmful bacteria
- (b) Is used to treat poisoning
- (c) Lowers body temperature
- (d) Stimulates formation of antibody

Ans: D

Q4. The cellular and molecular control of programmed cell death is known as

- (a) Apoptosis
- (b) Ageing
- (c) Degeneration
- (d) Necrosis

Ans: A

Q5. A genetically engineered form of brinjal, known as the Bt brinjal has been developed.

The objective of this is

- (a) To make it pest resistant
- (b) To improve its taste and nutritive qualities
- (c) To make it drought resistant
- (d) To make its shelf life longer

Ans: A

Q6. Sodium Pump operates in

- (a) Heartbeat
- (b) Muscle contraction
- (c) Nerve impulse
- (d) None of the above

Ans: C

Q7. Which of the following features of DNA makes it uniquely suited to store and transmit genetic information from generation to generation?

- (a) Complementary of the two strands
- (b) Double helix
- (c) Number of base-pairs per turn
- (d) Sugar-phosphate backbone

Ans: B

Q8. In the human body, which structure is the appendix attached to?

- (a) The large intestine
- (b) The small intestine
- (c) The gall bladder
- (d) The stomach

Ans: A

Q9. In the human body, which one of the following hormones regulates blood calcium and phosphate?

- (a) Glucagon
- (b) Growth hormone
- (c) Parathyroid hormone
- (d) Thyroxine

Ans: C

Q10. Which one of the following is not a digestive enzyme in the human system?

- (a) Trypsin
- (b) Gastrin
- (c) Ptyalin
- (d) Pepsin

Ans: B

Q11. Which one of the following is not a good source of nutrition of calcium?

- (a) Rice
- (b) Ragi
- (c) Skimmed milk
- (d) Egg

Ans: A

Q12. Which one of the following is an insectivorous plant?

- (a) Passion flower plant
- (b) Pitcher plant
- (c) Night queen
- (d) Flame of the forest

Ans: B

Q13. Which one of the following parts of the pitcher plant becomes modified into a pitcher?

- (a) Stem
- (b) Leaf

- (c) Stipule
  - (d) Petiole
- Ans: B

Q14. How do most insects respire?

- (a) Through skin
- (b) Through gills
- (c) By lungs
- (d) By tracheal system

Ans: D

Q15. Which one of the following parts of human brain is the regulating centre for swallowing and vomiting?

- (a) Cerebellum
- (b) Cerebrum
- (c) Medulla oblongata
- (d) Pons

Ans: C

