

## Biology Model Question Paper - 7

**Question 1** : The characteristic that is shared by urea, uric acid and ammonia is/are

- A. They are nitrogenous wastes
  - B. They all need very large amount of water for excretion
  - C. They are all equally toxic
  - D. They are produced in the kidneys
- (A) A and D  
(B) A, C and D  
(C) A only  
(D) A and C

Answer: (C)

**Question 2** : The 2005 Nobel Prize for Physiology / Medicine was awarded to Barry Marshall and Robin Warren of Australia for their discover of \_\_\_\_\_.

- (A) human papilloma virus causing cervical cancer
- (B) bacterium *Helicobacter pylori* causing peptic ulcer
- (C) prions, a new biological principle of infection
- (D) Human Immunodeficiency Virus

Answer: (B)

**Question 3** : The main aim of the human genome project is \_\_\_\_\_.

- (A) to identify and sequence all the genes present in human DNA.
- (B) to introduce new genes into humans.
- (C) to remove disease causing genes from human DNA.
- (D) to develop better techniques for comparing two different human DNA samples.

Answer: (A)

**Question 4** : The lactase hydrolyzes lactose into

- (A) Glucose
- (B) Glucose and galactose
- (C) Fructose
- (D) Glucose and fructose

Answer: (B)

**Question 5** : Tetany is caused by

- (A) Hyperparathyroidism
- (B) Hypoparathyroidism
- (C) Hyperthyroidism
- (D) Hypothyroidism

Answer: (B)

**Question 6 :** The agents which are known to cause CJD are

- (A) A class of bacteria
- (B) A class of viruses
- (C) Fungi
- (D) Protein particles

Answer: (D)

**Question 7 :** The loosely arranged non-chlorophyllous parenchyma cells present in lenticels are called

- (A) Complementary cells
- (B) Passage cells
- (C) Water stomata
- (D) Albuminous cells

Answer: (A)

**Question 8 :** The greatest threat to genetic diversity in agricultural crops is

- (A) extensive mixed cropping
- (B) introduction of high yielding varieties
- (C) extensive use of fertilisers
- (D) extensive use of insecticides and pesticides

Answer: (D)

**Question 9 :** The gene of sickle cell anaemia is inherited by

- (A) Blood cells
- (B) Bone cells
- (C) Sex chromosomes
- (D) Autosomes

Answer: (D)

**Question 10 :** The Gastrin is secreted from

- (A) Intestine
- (B) Stomach
- (C) Pancreas
- (D) Rectum

Answer: (B)

**Question 11** : The force responsible for upward conduction of water against gravity comes from

- (A) transpiration
- (B) photosynthesis
- (C) translocation
- (D) respiration

Answer: (A)

**Question 12** : The cause of cretinism is

- (A) Hypothyroidism
- (B) Hypoparathyroidism
- (C) Hyperthyroidism
- (D) Hyperparathyroidism

Answer: (A)

**Question 13** : The brainstem is made up of

- (A) Midbrain, pons, cerebellum
- (B) Midbrain, pons, medulla oblongata
- (C) Diencephalon, medulla oblongata, cerebellum
- (D) Cerebellum, cerebrum, medulla oblongata

Answer: (B)

**Question 14** : The anterior V-spot in microfilaria of *Wuchereria* represents

- (A) Nerve ring
- (B) Cervical papilla
- (C) Excretory system
- (D) Reproductive

Answer: (C)

**Question 15** : The amount of CSF in the cranial cavity

- (A) 500 ml
- (B) 140 ml
- (C) 1 litre
- (D) 1.5 ml

Answer: (B)