

# BIOLOGY

## MCQ



## Biology Q&A – 1<sup>st</sup> August 2017

Q1. In photosynthesis—

- (a) Light energy is converted into chemical energy
- (b) Chemical energy is converted into light energy
- (c) Chemical energy is converted into electrical energy
- (d) Light energy is converted into mechanical energy

Ans.(a)

Q2. The hotness or pungency of chili pepper is due to—

- (a) Cucumin
- (b) Sorbitol
- (c) Argenol
- (d) Capsaicin

Ans.(d)

Q3. Exposure to ultraviolet radiation causes eye disease like—

- (a) Conjunctivitis
- (b) Cataract
- (c) Short sightedness
- (d) Colour blindness

Ans.(b)

Q4. Which of the following does not have any enzymes in its cells?

- (a) Algae
- (b) Virus
- (c) Lichen
- (d) Bacteria

Ans.(b)

Q5. Match List-I with List-II and select the correct answer by using the codes given below:

List-I	List-II
A. Ribosome	1. Suicidal bag of cells
B. Lysosome	2. Protein factory of cells
C. Mitochondria	3. Controller of cell
D. Nucleus	4. Power house of cell

Codes:

A B C D

- (a) 1 4 3 2
- (b) 4 3 2 1
- (c) 2 1 4 3
- (d) 3 2 1 4

Ans.(c)

Q6. Consider the following statements:

1. A colour blind person cannot distinguish red and green.
2. Colour blindness is related with a defect in nerve cells.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Ans.(a)

Q7. Arteries supplying blood to the heart are called—

- (a) Carotid arteries
- (b) Hepatic arteries
- (c) Coronary arteries
- (d) Pulmonary arteries

Ans.(c)

Q8. Match the List-I and List-II:

List-I List-II

(Organs of the Body) (Process of Treatment)

- |           |                       |
|-----------|-----------------------|
| A. Heart  | 1. Cataract Operation |
| B. Kidney | 2. Angioplasty        |
| C. Eye    | 3. Hysterectomy       |
| D. Uterus | 4. Dialysis           |

Codes:

A B C D

- (a) 1 2 3 4
- (b) 2 4 1 3
- (c) 4 2 1 3
- (d) 1 2 4 3

Ans.(b)

Q9. Which of the following plant hormone is mainly responsible for fruit ripening?

- (a) Cytokinin
- (b) Ethylene
- (c) Abscissic acid
- (d) None of these

Ans.(b)

Q10. The study of the internal structure of the plants is called—

- (a) Taxonomy
- (b) Agronomy
- (c) Anatomy
- (d) Morphology

Ans.(c)

Q11. A food chain always starts with—

- (a) Nitrogen fixation.
- (b) Decomposition
- (c) Respiration

(d) Photosynthesis

Ans.(d)

Q12. The hormone insulin is a—

- (a) peptide
- (b) fatty acid
- (c) glycolipid
- (d) sterol

Ans.(a)

Q13. “Flow of energy is unidirectional”. It means that—

- (a) Energy always flows from east to west direction.
- (b) The energy of the autotrophs reaches back to the solar input.
- (c) Energy which passes to the higher trophic levels doesn't come back to lower trophic levels
- (d) None of these.

Ans.(c)

Q14. In an ecosystem, the 10% of energy available for transfer from one trophic level to the next trophic level is in the form of—

- (a) Mechanical energy.
- (b) Light energy
- (c) Chemical energy
- (d) Heat energy

Ans.(c)

Q15. Which of the following measures can be taken to reduce the wastage of energy?

- (a) Preparation of smokeless stoves
- (b) Growing fuel wood trees
- (c) Use of biogas
- (d) All of these

Ans.(d)

Q16. Pigmentation of skin is due to-

- (a) lymphocytes
- (b) monocytes
- (c) leucocytes
- (d) melanocytes

Ans.(d)

Q17. Plants wilt due to excess of-

- (a) absorption
- (b) photosynthesis
- (c) transpiration
- (d) none of these

Ans.(c)

Q18. The process of formation of blood corpuscles is called-

- (a) Haemopoiesis
- (b) Haemolysis
- (c) Haemozoin
- (d) None of these

Ans.(a)

Q19. In old age stiffness of joints is due to the-

- (a) hardening of bones
- (b) inefficiency of muscles
- (c) decrease in synovial fluid
- (d) enlargement of bones

Ans.(c)

Q20. The only movable bone in the skull is-

- (a) maxilla
- (b) frontoparietal
- (c) mandible
- (d) nasal

Ans.(c)

Q21. Tibia is a bone found in the-

- (a) skull
- (b) arm
- (c) leg
- (d) face

Ans.(c)

Q22. The exchange of gases in mammals takes place in the-

- (a) larynx
- (b) trachea
- (c) alveoli
- (d) bronchi

Ans.(c)

Q23. During the day time plants-

- (a) take in oxygen and give out carbon dioxide
- (b) take in carbon dioxide and give out oxygen
- (c) take in nitrogen and give out oxygen
- (d) take in carbon dioxide and give out nitrogen

Ans.(b)

Q24. The alimentary canal is usually longer in-

- (a) Carnivores
- (b) Herbivores
- (c) Omnivores
- (d) Insectivores

Ans.(b)

Q25. Phenomenon which converts light energy into chemical energy is-

- (a) Respiration
- (b) Photosynthesis
- (c) Transpiration
- (d) None of these

Ans.(b)

Q26. Blood haemoglobin has high affinity-

- (a) CO<sub>2</sub>
- (b) CO
- (c) O<sub>2</sub>
- (d) H

Ans.(b)

Q27. Enzymes help in-

- (a) Respiration
- (b) Digestion of food
- (c) Immune system
- (d) Reproduction

Ans.(b)

Q28. The human cell contains-

- (a) 44 chromosomes
- (b) 48 chromosomes
- (c) 46 chromosomes
- (d) 23 chromosomes

Ans.(c)

Q29. Snakes and lizards are animals that are-

- (a) Warm-blooded
- (b) Cold-blooded
- (c) Both
- (d) None of these

Ans.(b)

Q30. Bacteria and fungi developing on dead decaying organisms are-

- (a) Parasites
- (b) Commensals
- (c) Saprophytes
- (d) Symbionts

Ans.(c)