

**BIOLOGY
NECO
PAST
QUESTIONS
AND ANSWERS
(OBJECTIVES)**

1. The topmost layer of a typical soil profile is

- A. clay
- B. coarse sand
- C. fine sand
- D. gravel
- E. humus

(Answer: E)

2. Which of these is NOT part of a seed?

- A. Cotyledon
- B. Embryo
- C. Endosperm
- D. Pericarp
- E. Testa

(Answer: D)

3. Which of the following functions of the body are nephrons associated with?

- A. Circulation
- B. Digestion
- C. Excretion
- D. Reproduction
- E. Respiration

(Answer: C)

4. In a moss plant, spores are produced in the

- A. capsule
- B. leaf
- C. rhizoid
- D. seta
- E. stalk

(Answer: A)

5. Which of these organisms reproduces by budding?

- A. Amoeba
- B. Euglena
- C. Hydra
- D. Paramecium
- E. Volvox

(Answer: C)

6. Which of these is NOT a pollutant?

- A. Carbondioxide
 - B. Lead oxide
 - C. Nitrogen gas
 - D. Nitrogen oxide
 - E. Sulphur dioxide
- (Answer: C)

7. Villi are finger-like structures found in the

- A. large intestine
 - B. rectum
 - C. small intestine
 - D. stomach
 - E. tongue
- (Answer: C)

8. Over-grazing encourages soil

- A. acidity
 - B. conservation
 - C. erosion
 - D. fertility
 - E. formation
- (Answer: C)

9. In mammals, tissue respiration takes place in the

- A. alveoli
 - B. cells
 - C. lungs
 - D. nose
 - E. trachea
- (Answer: B)

10. The following plants have self-pollinated flowers EXCEPT?

- A. groundnut
 - B. okra
 - C. rice
 - D. wheat
- (Answer: B)

11. These processes are involved in asexual reproduction EXCEPT

- A. budding
 - B. fertilization
 - C. fission
 - D. spore formation
 - E. vegetative propagation
- (Answer: B)

12. Excess amino acids are converted into urea by the

- A. heart
- B. kidney
- C. liver
- D. muscles
- E. spleen

(Answer: C)

13. The products of respiration in higher plants are

- A. carbondioxide, energy and starch
- B. carbondioxide, energy and water
- C. carbondioxide, oxygen and water
- D. carbondioxide, starch and water
- E. glucose, energy and water

(Answer: B)

14. What will be the phenotypic ratio in the f1 generation, if a dominant red flowered plant (RR) is crossed with recessive white flowered plant (rr)?

- A. 1 red : 1 white
- B. 2 red : 0 white
- C. 3 red : 1 white
- D. 4 red : 0 white
- E. 4 red : 4 white

(Answer: D)

15. Which of these influences growth movement in plants?

- A. Acetic acid
- B. Auxins
- C. Chlorophyll
- D. Enzyme
- E. Ethylene

(Answer: B)

16. Which of the following is bryophyte?

- A. Bladderwort
- B. Flytrap
- C. Liverwort
- D. Pitcher
- E. Sundew

(Answer: C)

17. The basic unit of classification of living things is the

- A. class
- B. genus
- C. kingdom
- D. phylum

E. species
(Answer: E)

18. Fern plants carry out Photosynthesis in the
A. frond
B. rhizome
C. sorus
D. stolon
E. thallus
(Answer: A)

19. The cortex of a herbaceous stem is made up of
A. collenchyma and parenchyma
B. collenchyma and sclerenchyma
C. parenchyma and sclerenchyma
D. pericycle and endodermis
E. sclerenchyma and endodermis
(Answer: A)

20. Root hairs are extensions of the
A. cortex
B. endodermis
C. epidermis
D. piliferous layer
E. vascular bundle
(Answer: C)

21. The structure in cell concerned with the synthesis of proteins is the
A. endoplasm reticulum
B. ribosome
C. nucleus
D. plasma membrane
E. golgi apparatus
(Answer: B)

22. Which of the following is an abiotic factor in an ecosystem?
A. Food
B. Host
C. Parasite
D. Predator
E. Pressure
(Answer: E)

23. Exoskeleton is a characteristic feature of
A. amoeba
B. earthworm

- C. hydra
 - D. millipede
 - E. tapeworm
- (Answer: D)

24. The type of placentation found in tomato fruit is called
- A. axile
 - B. bisal
 - C. free central
 - D. marginal
 - E. parietal
- (Answer: A)

25. The male reproductive part of a flower is made up of
- A. anther and filament
 - B. ovary and ovule
 - C. ovule and style
 - D. stigma and filament
 - E. style and stigma
- (Answer: A)

26. Which of these is a simple dehiscent fruit?
- A. Achene
 - B. Cypsela
 - C. Legume
 - D. Nut
 - E. Samara
- (Answer: C)

27. Which of the following processes converts nitrates in the soil to atmospheric nitrogen?
- A. Denitrification
 - B. Lightning
 - C. Nitrification
 - D. Putrefaction
 - E. Rainfall
- (Answer: A)

28. The part of the male reproductive organ where sperm cells are produced is called?
- A. epididymis
 - B. penis
 - C. seminal vesicle
 - D. seminiferous tubules
 - E. vas deferens
- (Answer: D)

29. Mycelium is a feature of

- A. algae
- B. bacteria
- C. ferns
- D. fungi
- E. viruses.

(Answer: D)

30. Which of the following body characteristics distinguishes Ascaris from Earthworms?

- A. Bilaterally symmetrical
- B. Cylindrical
- C. Segmented
- D. Soft
- E. Unsegmented

(Answer: C)

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