

Hill Side School 2012E.C 4th Quarter Answers for Grade 9 Biology Final Exam

I. Write true for correct while false for incorrect statement

1. Autoclaves help us to increase boiling temperature above boiling point of water to kill germs. **TRUE**
2. Disinfectants are chemical substances applied on skin to avoid infection. **FALSE**
3. The first antibiotic, penicillin, was developed by Alexander Fleming. **TRUE**
4. Prevention of malaria can be achieved by controlling reproduction of female anopheles mosquito. **TRUE**
5. Prokaryotes don't contain double membrane organelles like mitochondria. **TRUE**
6. Double circulation is a process in which blood flows through the heart only once. **FALSE**
7. Excessive salt intake and increase in weight can develop hypertension. **TRUE**
8. Lymphatic system is part of circulatory system. **TRUE**
9. Bryophytes are simple plants that have well developed vascular issues. **FALSE**
10. Food chain represents real feeding relationship existing among organisms than food web. **FALSE**

II. Matching the five kingdoms with their correct descriptions

11. All multicellular eukaryotic and autotrophic organisms **(D)** A. Kingdom Monera
12. All multicellular eukaryotic heterotrophs organisms **(E)** B. Kingdom Protista
13. Microscopic prokaryotic organism **(A)** C. Kingdom Fungi
14. Unicellular eukaryotic auto-and heterotrophic organism **(B)** D. Kingdom Plantae
15. Unicellular and multicellular eukaryotic heterotrophs **(C)** E. Kingdom Animalia

III. Choose the correct answer from the given alternatives

16. Protein needed for various activities in our body made in the
A. Mitochondria B. Chloroplast C. Golgi bodies D. Ribosomes
Answer: D
17. The theory of spontaneous generation was disproved by.
A. Louis Pasteur C. Robert Koch
B. Anton van Leeuwenhoek D. Van Helmont
Answer: A
18. Which of the following diseases is **NOT** sexually transmitted disease?
A. Gonorrhea B. Syphilis C. Chancroids D. Giardia

Answer: D

19. Which of the following disease is **NOT** caused by parasitic worms?

- A. Taeniasis B. Tuberculosis C. Schistosomiasis
D. Ascariasis

Answer: B

20. It is a disease caused by contaminated food and water. Which one is it?

- A. Tuberculosis B. HIV/AIDS C. Cholera D. Malaria

Answer: C

21. Which of the following germ-disease pair is **WRONGLY** matched?

- A. *Plasmodium falciparum* - malaria C. *Treponema pallidum* - Syphilis
B. *Salmonella typhi* - Cholera D. *Taenia saginata* - Taeniasis

Answer: B

22. Energy that is harvested from cellular respiration is stored in the form of

- A. Glycogen B. ATP C. ADP D. Starch

Answer: B

23. When a person is infected by dangerous diseases like rabies and tetanus, he/she is given a vaccine which contains the antibodies to combat the specific pathogens. This kind of immunity is called

- A. Acquired active natural immunity C. Acquired passive artificial immunity
B. Acquired active artificial immunity D. Acquired passive natural immunity

Answer: C

24. Which of the following classification is in correct order from general to specific?

- A. Kingdom → Phylum → Order → Class → Family → Genus → Species
B. Kingdom → Phylum → Species → Genus → Family → Order → Class
C. Kingdom → Phylum → Class → Order → Family → Genus → Species
D. Kingdom → Class → Phylum → Order → Genus → Family → Species

Answer: C

25. The most diverse (with greatest number of different species) animal phylum is

- A. Phylum Chordata C. Phylum Arthropoda
B. Phylum Platyhelminthes D. Phylum Mollusca

Answer: C

26. Insects are characterized by having:

- A. One pairs of antenna
B. Two body parts
segment
C. Four pairs of legs
D. Two pairs of legs per

Answer: A

27. Spiny skinned animals are classified under phylum

- A. Nematoda
B. Porifera
C. Annelida
D. Echinodermata

Answer: D

28. Which of the following are greenhouse gases?

- A. Carbon dioxide and methane
B. Nitrogen and oxygen
C. Oxygen and hydrogen
D. Carbon monoxide and oxygen

Answer: B

29. Features that living things have to survive in a given environment refers to

- A. Adaptation
B. reproduction
C. camouflaging
D. irritability

Answer: A

30. Indigestible and seeds with hooks to attach are dispersed by

- A. Water
B. animals
C. wind
D. themselves

Answer: B

31. Which of the following event comes at the end of tree planting procedure?

- A. Pressing the soil firmly around
stake
B. Digging a big hole
C. supporting the plant with a
stake
D. Preparing soil for planting.

Answer: C

IV. Answer questions 32-33 based on the food chain given below

Plants → Rats → Snakes → Wild cats → Eagle

32. Autotrophic organisms are represented by

- A. Plants
B. Rats
C. Wild cats
D. Eagles

Answer: A

33. In this food chain, the wild cats represent all **EXCEPT**

- A. Primary consumer
B. Forth trophic level
C. Tertiary consumer
D. Secondary carnivore

Answer: B

V. Fill the gap sentences with correct answers

34. _____ are chemical substances used to kill bacteria without harming tissues. **Answer: Antibiotic**

35. _____ is the process of injection of dead or weakened strains of pathogens to produce immunity to dangerous diseases.

Answer: Vaccination/immunization

36. One globally accepted name given to a particular species is called _____. **Answer: Scientific name**

37. Animals whose body temperature remains the same regardless of the changing environmental temperature are known as _____.

Answer: Homoiotherms/ Warm blooded

38. Some animals with both male and female reproductive organs referred to as _____. **Answer: Hermaphrodite**

VI. Answer the following questions briefly.

39. List out examples of single microorganisms.

Answer: Viruses, bacteria, protozoa, some algae and some fungi

40. What are the 5 classes of subphylum vertebrata?

Answer: These are

- Class Pisces
- Class Amphibia
- Class Reptilian
- Class Aves
- Class Mammalia

41. Write down means by which desert plants withstand shortage of water.

Answer: Desert plants adapt desert environment by having:

- Large but curled leaves to collect and drain water into their roots
- Reduce their leaf size to minimize water loss
- Reduce their leaves into spines which minimize water loss and prevent them from browsers.
- Succulent stem or leaf to store water.

Wish you understanding!

By Selamu A.

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