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Practice questions on Unit 1 – Biology and Technology

1. Biology is:

- A) the study of matter
- B) the study of life and living organisms
- C) the study of how living organisms interact
- D) the study of the way atoms and molecules react together

2. Bilharzia is caused by:

- A) snails
- B) bacteria
- C) viruses
- D) parasitic flatworms

3. Dr Tewolde Berhan Gebre Egziabher is a biologist who researches into:

- A) HIV/AIDS
- B) genetic engineering
- C) environmental protection and diversity
- D) human evolution

4. EHNRI carries out research into:

- A) health and nutrition issues
- B) farming
- C) biodiversity
- D) soil and water

5. Before it widened its research the Armauer Hansen Research Institute studied only:

- A) HIV/AIDS
- B) tuberculosis
- C) leprosy

D) cervical cancer

6. ALIPB is world-renowned for research into:

A) different diseases and their control

B) improved agricultural practices

C) human evolution

D) environmental conservation

7. What is the main function of biological research institutions?

A) To provide biologists with jobs

B) To offer equipment, collaboration, and knowledge sharing for biologists

C) To give biologists awards and recognition

D) To be a place to store biological materials

8. Armauer Hansen Research Institute (AHRi) primarily focuses on research in which area(s) now?

A) Leprosy

B) Tuberculosis/ HIV/AIDS

C) Nutrition

D) Agriculture

9. What is the purpose of the Aklilu Lemma Institute of Pathobiology (ALIPB) offering Master's degrees?

A) To become a leading university

B) To train new Ethiopian pathobiologists

C) To honor famous biologists only

D) All of the above

10. The Ethiopian Health and Nutrition Research Institute (EHNRI) is involved in all of the following EXCEPT:

A) Studying the spread of HIV/AIDS

B) Developing a vaccine for malaria

C) Conducting research on animal breeding

D) Investigating rapid diagnosis methods for TB

11. Which of these is NOT a primary research area of the Ethiopian Institute of Agricultural Research (EiAR)?

A) Improving crop varieties like maize and teff

B) Developing new sources of energy

C) Optimizing livestock feeding programs

D) Finding ways to improve soil fertility

12. Why was Ethiopia a priority for establishing gene banks for plant conservation?

A) There is a high rate of deforestation in the country.

B) Ethiopia has a vast range of unique plant species.

C) The climate is ideal for growing all types of plants.

D) Many Ethiopians rely on foreign crops for food.

13. Which institute is primarily responsible for conserving the genetic material of various organisms in Ethiopia?

A) Ethiopian Health and Nutrition Research Institute

B) Institute of Biodiversity Conservation (IBC)

C) Aklilu Lemma Institute of Pathobiology

D) Armauer Hansen Research Institute

14. Professor Tilahun Yilma is an internationally renowned scientist. What is his contribution to the world? He

A) Developed vaccines using genetic engineering

B) Conducted research on molluscicide effect of endod

C) Preserved many different traditional crop varieties

D) Developed drought resistant sorghum

15. Which of the following research institution works only on leprosy?

A) Aklilu Lema Institution of Pathobiology (ALIPB)

B) Ethiopian Health and Nutrition Research Institution (EHNRI)

C) Ethiopian Institution of Agricultural Research (ELAR)

D) Armauer Hansen Research Institute (AHRI)

16. A renowned Ethiopian biomedical scientist and a long serving professor at Addis Ababa University is:

A) Professor Beyene Petros

B) Professor Gabissa Ejeta

C) Professor Yalemtehay Mekonnen

D) Professor Sebsebe Demissew

17. Which one of the following research institutes works on crop and livestock improvement?

- A) Ethiopian helath and nutrition research institution
- B) The institute of biodiversity
- C) Armauer Hansen research institute
- D) Ethiopian institute of agricultural research

18. Professor Yalemtehay Mekonnen us a renowned biologist for her contribution on

- A) Preservation of different traditional crop varieties
- C) The discovery of endod as a control for schistomiasis
- D) Assessment of impact of chemical pesticides hazards on humans

19. The Ethiopian biological research institute which is conducting research on leprosy and other disease is

- A) The institute of biodiversity conservation
- B) Ethiopian institution of agriculture
- C) Armauer Hansen research institution
- D) Aklilu Lemma Institution of pathobiology

20. Dr. Tewolde Berhan Gebre Egziabher received an award for his work on:

- A) Developing a new antibiotic
- B) Protecting biodiversity and farmers' rights
- C) Inventing a new agricultural tool
- D) Treating a previously unknown cattle disease

Answer Key

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|-------|-------|
| 1. B | 11. B |
| 2. D | 12. B |
| 3. C | 13. B |
| 4. A | 14. A |
| 5. C | 15. D |
| 6. A | 16. A |
| 7. B | 17. D |
| 8. B | 18. D |
| 9. B | 19. C |
| 10. C | 20. B |