



BIOLOGY

BOOKS - SARAS PUBLICATION

ASSESSMENT TEST-4

Exercise

1. The sporozoite of the material parasite is present in ___

- A. Saliva of infected female Anopheles mosquito
- B. RBC of human suffering from malaria
- C. Spleen of infected humans
- D. Gut of female Anopheles mosquito

Answer:



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2. Cry toxins obtained from *Bacillus thuringiensis* are effective against _____

A. Mosquitoes

B. Silkworms

C. Nematodes

D. Bollworms

Answer:



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3. Identify those correct sequence of ELISA testing .

A. Detection \rightarrow Read out \rightarrow Coating \rightarrow
Blocking

B. Read out \rightarrow Coating \rightarrow Detection \rightarrow
Read out

C. *Coat* \in *g* \rightarrow *Block* \in *g* \rightarrow *Detection*
 \rightarrow Read out

D. *Block* \in *g* \rightarrow *Detection* \rightarrow *Coat* \in *g*
 \rightarrow Read out

Answer:



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4. Predation and parasitism are which type of interaction ?

A. (+,+)

B. (+,0)

C. (-,-)

D. (+,-)

Answer:



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5. Identify the wrong statement

A. Growth is limited by the carrying capacity of the environment

B. Growth pattern turns logistic when the resource becomes progressively limiting

C. Population of the same or different species in a habitat live in isolation

D. Many insects show explosive increase in number during the rainy season

Answer:



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6. Assertion: The environmental conditions of the tropics are favourable for speciation and diversity of organisms. **Reason:** The climate,

seasons, temperature, humidity and photoperiod are more or less stable and congenial.

A. Both Assertion and Reason are true.

Reason explain Assertion correctly

B. Both Assertion and Reason are true but

Reason is not the correct explanation of

Assertion

C. Assertion is true, but reason is false

D. Both Assertion and Reason are false

Answer:



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7. Which is the crucial indicator of richness in an ecosystem?

A. Endemism

B. Localism

C. Adventism

D. Dandyism

Answer:



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8. When is ozone day celebrated?

A. 39142

B. 46023

C. 42217

D. 42614

Answer:



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9. As per 2017 statistics, the highest per capita emitter of carbon dioxide in the world is

A. USA

B. China

C. Qatar

D. Saudi Arabia

Answer:



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10. List the causative agent, mode of transmission and symptoms for Diphtheria and Typhoid.

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11. Give any two bioactive molecules produced by microbes and state their uses.

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12. Explain gobar gas or biogas production.



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13. How was Insulin obtained before the advent of rDNA technology? What were the problems encountered?



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14. Mention the advantages and disadvantages of cloning.



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15. Classify the aquatic biomes of Earth.



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16. What is meant by emigration?



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17. What are the effects of immigration?



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18. Write a short note on WWF.



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19. What is an endangered species?



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20. What is SMOG and how it is harmful for us?



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21. What is sameer?



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22. Which is referred to as biomagnification?



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