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Ecology

Total Marks: 25

Duration: 0 hours, 20 minutes

Instructions to test takers

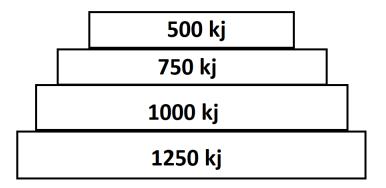
- 1. Answer all the questions in this paper
- 2. All the answers for the questions in this paper will be found on

Study Star (STudy STar)

3. Using the answers on the website, mark yourself truthfully and carefully.

Turn this page, time yourself and begin the test

Section A [10]
 An area made of communities of living things that interact with each other and the non-living environment is referred to as (a) Niche (b) Ecosystem (c)Ecology
2. Which of the following is the principle source of energy for the ecosystem?(a) Sun(b) Water(c)Cabbage
 3. By what process do producers obtain energy? (a) Respiration (b) Transpiration (c)Photosynthesis
4. What species is given the term producers?(a) Fungi(b) Plants(c)Animals
 5. A sequence of feeding relationships that begins with the producers and involves at least three organisms is known as (a) Food web (b) Food chain (c)Feeding relationships
6. Primary consumers occupy the trophic level (a) 1 st (b) 2 nd (c)3 rd
7. A group of interlinked food chains is known as (a) Food link (b) Food chain (c)Food Relationship
8. Study the diagram below.



What type of pyramid is shown in the diagram above?

- (a) Pyramid of energy
- (b) Pyramid of biomass
- (c)Pyramid of mass
- 9. The total dry mass of an organism is referred to as _____
 - (a) Total mass
 - (b) Biomass
 - (c)Sumass
- 10. Study the diagram below.

Cabbage → Rabbit → Man

Which organism represents the level with the highest biomass?

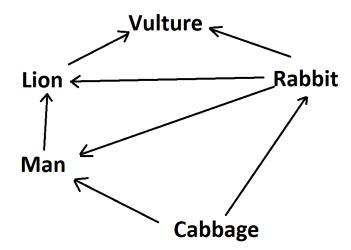
- (a) Cabbage
- (b) Rabbit
- (c)Man

Section B [5]

- 11. A group of populations found in the same area and interact with each other is called
- 12. A place were an organism lives is called _____
- 13. The specific role played by a given organism in an ecosystem is called
- 14. Animals that feed on secondary consumers are known as
- 15. The study of interactions of living things with each other and their environments is referred to as

Section C [10]

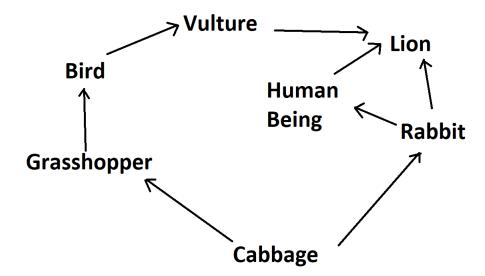
16. Study the diagram below of a food web.



From the above diagram construct a food chain with five levels. [3]

[2]

- 17. State the differences between a food chain and a food web.
- 18. Study the diagram below.



Construct a food chain of four organisms. [3]
19. Identify any one secondary consumer from the above food web in question 18 above. [1]
20. What type of consumer is a vulture? [1]