

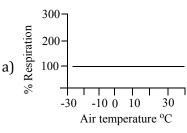
Subject: BIOLOGY DPP No.: 9 Class: XIIth Date:

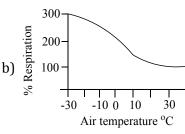
Topic:- Organisms & Populations

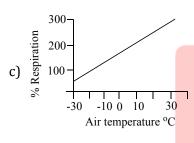
1.	The inherent maximum capacity of an organism to reproduce or increase in number is called as			
	a) Biotic potential	b) Ecosystem	c) Population	d) Ecology
2.	The basic unit of study in ecology is			
	a) Population	b) Organism	c) Community	d) Species
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3.	Body compensates low oxygen availability at high altitudes by I. increasing RBC			
	II. decreasing binding affinity of haemoglobin			
	III. increasing binding affi			
	IV. increasing breathing ra			
	V. decreasing breathing ra			
	Choose the correct option			
	a) I, II and III	b) II, III and IV	c) I, III and IV	d) I, II and IV
	aj i, ii ana iii	b) II, III and IV	c) i, iii and iv	aj i, ii ana iv
4.	The species of plants that play a vital role in controlling the relative abundance of other species in a			
	community are called		o de la companya de	1
	a) Edge species	b) Keystone species	c) Pioneer species	d) Seral species
5.	If birth rate is 100, death rate is 10 and number of individuals in population group is 1000, then what will			
	be the percentage of natur	O		
	a) 0.09%	b) 9.0%	c) 0.9%	d) 90%
_				
6.	A ₀ layer is rich in	1.5		
	a) Minerals	b) Humus	c) Litter	d) None of these
7.	In most animals, the metabolic reactions proceed in aA temperature range (in humans, it is 37°C). But			
/.	there are microbes (archaebacteria) that flourish in hot springs and deep sea hydrothermal vents where			
	temperature far exceedB			
	Choose the correct option for A and B			
	•			d) A-broad; B-40°C
	a) A-narrow; B-100°C	b) A-broad; B-100°C	c) A-median; B-100°C	d) 11 broad, 12 10 0
8.	How many types of age pyramid are there?			
	a) Two types	b) Three types	c) Four types	d) Five types

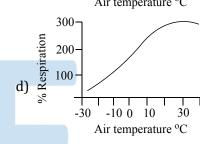
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- 9. Competition occurs when
 - a) Closely related species compete for same resources
 - b) Unrelated species compete for same resources
 - c) Both (a) and (b)
 - d) Natural resources are unlimited
- 10. Which of the following graphs correctly depicts the rate of respiration of a non-hibernating mammal living in cold climate?









- 11. I. Some species of insects and frogs are critically coloured (camouflaged)
 - II. Some animals are poisonous
 - III. Monarch butterfly are distasteful

The above adaptations are against

- a) Predation
- b) Mimicry
- c) Symbiosis
- d) Protection
- 12. Humus layer in soil composed of dead fresh organic matter called
 - a) Litter

b) Duff

- c) Real humus
- d) Compost

- 13. I. Basking by desert lizards in sun
 - I. Hiding in burrow by some animals
 - II. Thermal gaping

Above are the examples of

a) Cursorial adaptation

b) Behavioural adaptation

c) Fossorial adaptation

- d) Scansorial adaptation
- 14. I. Biochemical adaptation are seen in organisms living in great depth of the ocean to face crushing pressure
 - II. Allen's rule is explain mammals living in colder climates
 - III. Altitude sickness is caused because of body not getting enough oxygen due to low atmospheric

pressure at high altitude

IV Desert lizards lack he

IV. Desert lizards lack behavioural means to manage to their body temperature Choose the correct option for above adaptations

- a) I, II and III
- b) I, II and IV
- c) II, III and IV
- d) I, III and IV
- 15. Lichens represents an intimate mutualistic relationship between
 - a) Fungus and bacteria

b) Fungus and photosynthetic algae

c) Fungus and archaebacteria

d) Fungus and plants

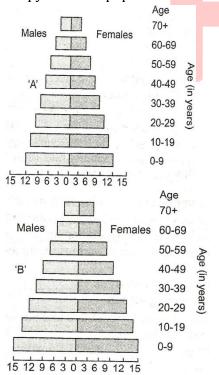
- 16. The science dealing with soil is
 - a) Edaphology
- b) Paedology
- c) Pedology
- d) All of these
- 17. Biological control methods adopted in agriculture pest control are based on the
 - a) Predator-prey interaction

b) Prey feeding habitat

c) Prey interaction with other predators

d) Predator-predator interaction

- 18. Exponential growth occurs when
 - a) There is only sexual reproduction
- b) There is only asexual reproduction
- c) There is a fixed carrying capacity
- d) No inhibition from crowding
- 19. A country with a high rate of population growth took measures to reduce it. The figure below shows age sex pyramids of populations A and B twenty years apart. Select the correct interpretation about them.



- a) 'A' is more recent and shows slight reduction in the growth rate
- b) 'B' is earlier pyramid and shows stabilised growth rate

- c) 'B' is more recent showing that population is very young
- d) 'A' is the earlier pyramid and no change has occurred in the growth rate
- 20. Viscum album grows on trees. This is an example of
 - a) symbiosis
- b) Parasitism
- c) Commensalism
- d) predation

