

BIOLOGY

BOOKS - GR BATHLA & SONS BIOLOGY (HINGLISH)

POPULATION: INTERACTIONS AND ATTRIBUTES

Multiple Choice Questions

1.	Individuals	of	the	same	species	inhabiting	а	particular	locality
co	nstitute								

A. Flora

B. Fauna

C. Population

D. Community

Answer: C

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		-

2. Group of organisms of the sames species in a given area at a particular
time is called:

A. genera

B. ecosystem

C. community

D. population

Answer: D



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3. Geometric representation of age structure is a characteristic of :

A. Landscape

B. Ecosystem

D. Biotic community
Answer: C
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4. The abundance of a species population within its habitat is called :
A. niche density
B. absolute density
C. relative density
D. regional density
Answer: A
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C. Population

5. What is the most important factor for the success of animal population A. Natality B. Adaptability C. Interspecies activity D. Unlimited food supply **Answer: B Watch Video Solution** 6. Which of the following factors is not concerned with population regulation in animals? A. Hibernation B. Territorialism C. Hierarchy contest D. Threatening displays

Answer: A



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- 7. A group of individuals of the same age within a population is called:
 - A. Cline
 - B. Clone
 - C. Cohort
 - D. Community

Answer: C



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8. Populations of individuals belonging to same genetic stock differing markedly in vegetative characteristics are :

A. ecads
B. flora
C. ecotype
D. ecotones
Answer: A
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9. Genetically adapted population to a particular habitat is called:
A. biome
B. niche
C. ecotone
D. ecotype
Answer: D
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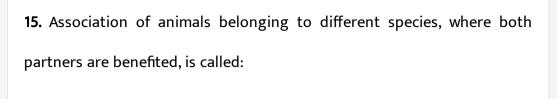
10. Most interacting populations are :						
A. parasitic						
B. symbiotic						
C. coevolved						
D. mutualistic						
Answer: C Watch Video Solution						
11. In a stable population, predation:						
A. is harmful						
B. is beneficial						
C. depletes the prey						

Answer: C		
○ Wate	ch Video Solution	
12. The dise	ease normally present in the population is:	
A. ende	mic	
B. epide	emic	
C. endo	thermic	
D. endo	ocrinology	
Answer: A		
○ Wate	ch Video Solution	

C. cartographer D. Human ecologist **Answer: B Watch Video Solution** 14. July 11 is observed as A. World AIDS Day B. World Population Day C. World Population Day D. World Science and Technology Day Answer: B **Watch Video Solution**

A. Statistician

B. Demographer



- A. colony
- B. sympathy
- C. mutualism
- D. commensalism

Answer: C



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16. Different types of interactions and the nature of ineractions between species (A) and (B) are given in column I and II respectively. Choose the

correct answer from the answer key where they are matched:

	Column I	Column II		
A	Mutualism	р	Beneficial to A no effect for B	
В	Competition	q	Beneficial to both A and B	
C	Parasitism	r	Beneficial to A and inhibitory for B	
D	Predation	S	Beneficial to A and harmful to B	
E	Commensalism	t	Harmful to both A and B	

A.
$$A = t$$
, $B = s$, $C = p$, $D = q$, $E = r$

B.
$$A = p$$
, $B = r$, $c = q$, $D = t$, $E = s$

$$C. A = r, B = t, C = s, D = r, E = p$$

D.
$$A = r$$
, $B = p$, $C = q$, $D = s$, $E = t$

Answer: C



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17. Which of the following statements regarding species interdependence

are true?

- 1. An association of two species where one is benefited and other remains unaffected is called mutualism.
- 2. An interspecific association where both partners derive from each other is called commensalism.
- 3. A direct food relation between two species of animals in which one animals kills and feeds on another is referred as predation.
- 4. A relationship between two species of organism where both the partners are benefited from each other is called symbiosis.
 - A. 1 and 4 only
 - B. 3 and 4 only
 - C. 1 and 3 only
 - D. 2 and 3 only

Answer: B



18. Rhizobium bacterium and root nodules of pea (laguminous) plant is an example of

A. symbiosis

B. predation

C. scavenging

D. parasitism

Answer: A



19. Symbiosis means:

A. living together without harm

B. living together with benefit to one partner

C. living together with benefit to both partners

D. living apart with benefit to one and harm to another partner

Answer: C Watch Video Solution 20. Symbiosis is shown by: A. Cuscuta B. E. coli C. Rafflesia D. Monotropa **Answer: B** Watch Video Solution 21. Rhizosphere microflora exhibits: A. Symbiosis

C. Commensalism
D. Space parasitism
Answer: A
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22. Zoochlorellae and zooxanthallae present in Hydra are
A. Predation
B. Symbiosis
C. Food chain
D. Commensalism
Answer: B
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B. Parasitism

23. The nature of interrelationship between corals and zooxanthellae is					
called :					
A. amensalism					
B. protocooperation					
C. cleaning symbiosis					
D. physiological symbiosis					
Answer: D					
Watch Video Solution					
Watch Video Solution					
Watch Video Solution					
Watch Video Solution					
24. The association between two species in which both benefit :					
24. The association between two species in which both benefit :					
24. The association between two species in which both benefit: A. Commensalism					

Answer: C Watch Video Solution 25. A free-living nitrogen-fixing cyanobacterium which can also form symbiotic association with the water fern Azolla is: A. Nostoc B. Tolypothrix C. Chlorella D. Anabaena Answer: D Watch Video Solution 26. Lichens show:

A. mutualism B. parasitism C. saprophytism D. commensalism Answer: A **Watch Video Solution** 27. Which one of the following is a matching pair of certain organism(s) and the kind of association? A. Shark and Sucker fish - Commensalism B. Algae and Fungi in lichens - Mutualism C. Orchids growing on trees - Parasitism D. Cuscuta (dodder) growing on other flowering plants - Epiphytism Answer: B

28. There exists a close associatin between the algae and the fungus within a lichen. The fungus

A. provides food for the alga

B. releases oxygen for the alga

C. fixes the atmospheric nitrogen for the alga

D. provides protection, anchorage and absorption

Answer: D



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29. Lichens are well known combination of an alga and a fungus where fungus has

A. a parasitic relationship with the alga

- B. a symbiotic relationship with the alga
- C. an epiphytic relationship with the alga
- D. a saprophytic relationship with the alga

Answer: B



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- **30.** Helotism is a term used for the symbiosis of
 - A. Algae and Bacteria
 - B. Pinus and Fungi
 - C. Algae and Fungi
 - D. Alage and Cycas

Answer: C



31. Which of the following takes part in symbiosis of lichen?
A. Algae - Fungi
B. Algae -Algae
C. Fungi - Fungi
D. Algae - Gymnosperm
Answer: A
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32. Select the correct match :
A. Symbiosis - Lichens
B. Autotrophs - Monerans
C. Phytoplankton - Ptotozoa
D. Holozoic nutrition - Fungi

Answer: A Watch Video Solution

- 33. Which one of the following pairs is correctly matched?
 - A. Rhizobium Parasite in the roots of leguminous plants
 - B. Mycorrhizae Mineral uptake from soil
 - C. Yeast Production of biogas
 - D. Myxomycetes The disease ringworm

Answer: B



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34. Mucorrhiza is:

A. as association of algae with fungi

B. a fungus parasiting root system of higher plants

C. a symbiotic association of plant roots and certain fungi

D. an association of Rhizobium with roots of leguminous plants

Answer: C

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35. Mycorrhiza helps in :

- A. disease resistance
- B. disease prevention
- C. food manufacturing
- D. nutrition uptaking

Answer: D



36. VAM represents A. symbiotic fungi B. saprophytic fungi C. symbiotic bacteria D. saprophytic bacteria Answer: A **Watch Video Solution** 37. The association between the wood eating termites and cellulose digesting protozoans loged in their gut represents: A. mutualism B. parasitism C. commensalism D. protocooperation

Answer: A



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38. Match the following with correct combination:

33	Column I	D POTEN	Column II
A	Mutualism	1	Tiger arid Deer
В	Commensalism	2	Cuscuta on Cissus
C	Parasitism	3	Sucker fish and Shark
D	Predation	4	Crab and Sea anemone

A.
$$A = 1$$
, $B = 2$, $C = 3$, $D = 4$

B.
$$A = 4$$
, $B = 3$, $C = 2$, $D = 1$

$$C. A = 1, B = 3, C = 2, D = 4$$

D.
$$A = 2$$
, $B = 3$, $C = 3$, $D = 1$

Answer: B



39. Match the following and choose the correct combination from the options given below

	Column I (Population interaction)		Column II (Examples)
A	Mutualism	1	Ticks on dogs
В	Commensalism	2	Balanus and Chthamalus
C	Parasitism	3	Sparrow and any seed
D	Competition	4	Epiphyte on a mango branch
E	Predation	5	Orchid Ophrys and bee

Answer: B



40. A bird enters the mouth of a crocodile and feeds on parasitic leeches.

The bird gets food and the crocodile gets rid of blood sucking leeches.

Both the partners can also live independently. Such an association is:

- A. amensalism
- B. mutualism
- $\hbox{C. commensal} is m$
- D. protocooperation

Answer: D



- **41.** Territoriality occurs as a result of :
 - A. predation
 - B. competition
 - C. cooperation

Answer: B
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12. Two species compete to each other even in presence of large quantity
of food. The relationship is :
A. antagonism
B. mutualism
C. isolation
D. none of these
Answer: B
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D. parasitism

43. The effect of intraspecific competition on niches to make them:		
A. larger		
B. smaller		
C. change location		
D. more triangular		
Answer: B		
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44. "Complete competitors cannot coexist" is true for :		
A. Primary succession		
B. Secondary succession		
C. Competitive exclusion		
D. Character displacement		

Answer: A Watch Video Solution

45. If the stronger partner is benefited and the weak partner is damaged, it is known as:

- A. redation
- B. allelopathy
- C. symbiosis
- D. commensalism

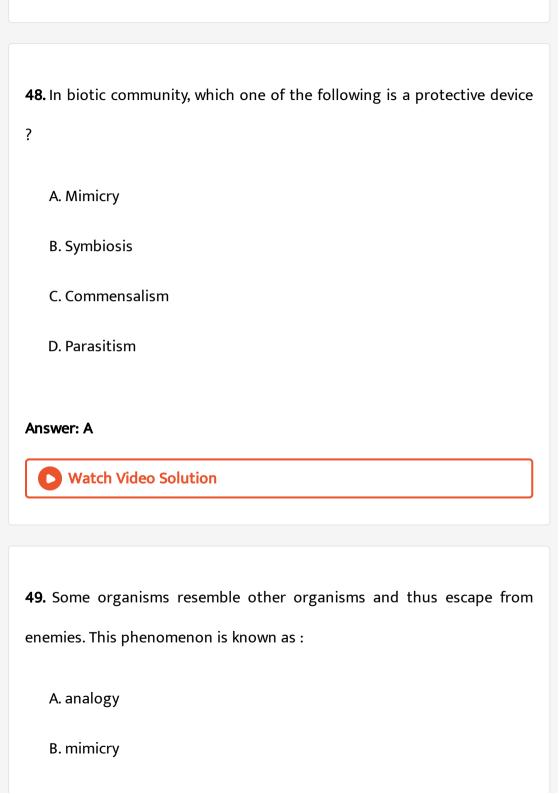
Answer: A



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46. Killing and consuming one's own kind or intraspecific predation is called:

A. Parasitism
B. Cannibalism
C. Autophagy
D. None of these
Answer: B
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47. Select an animal which may be a prey and also a predator :
A. Frog
B. Man
C. Rabbit
D. Lion
Answer: A
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C. homology
D. variation
Answer: B
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50. Resemblance of one organism to another for protection and hiding:
A. Mimicry
B. Predation
C. Adaptation
D. Camouflage
Answer: A
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51. Mimicry is :		
A. protective adaption		
B. structural adaptation		
C. animal association adaptation		
D. regulated by environmental factors		
Answer: A Watch Video Solution		
52. Which of the following insects mimic a dry leaf?		
A. Kalima		
B. Carausius		

C. Phyllium

D. None of these

Answer: A



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- 53. Both mimicry and model are harmful (unpalatable) of the predator:
 - A. Batesiam mimicry
 - B. Warning mimicry
 - C. Mullerian mimicry
 - D. Concealing mimicry

Answer: C



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54. Assertion (A): Laef butterfly and stick insect show mimicry to dodge their enemies:

Reason (R): Mimicry is a method to acquire body colour blending with the surrounding.

A. Both (A) and (R) are true and (R) is the correct explanation of (A)

B. Both (A) and (R) are true but (R) is not the correct explanation of (A)

C. (A) is true statement but (R) is false

D. Both (A) and (R) are false

Answer: A



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55. Praying mantis is a good example of :

A. Camouflage

B. Social insect

C. Mullerian mimicry

D. Warning coloration

Answer: A



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56. Animals have the innate ability to escape from predation Examples for the same are given below. Select the incorrect example

- A. Melanism in moths
- B. Poison fangs in snakes
- C. Colour change in chameleon
- D. Enlargement of body size by swallowing air in puffer fish

Answer: D



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57. Match the Column I with Column II and select the correct option:

	Column I	Column II
A	Camouflage	1 Dendrobates pumilio
В	Batesian mimicry	2 Horse-shoe bat
C	Warning coloration	3 Monarch butterfly
D	Echolocation	4 Praying mantis

Answer: D



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58. Which one of the following is most appropriately defined?

A. Predator is an organism that catches and kills other organism for food

B. Host is an organism which provides food to another organism

C. Amensalism is a relationship in which one species is benefited whereas the other unaffected

D. Parasite is an organism which always lives inside the body of other organism and may kill it

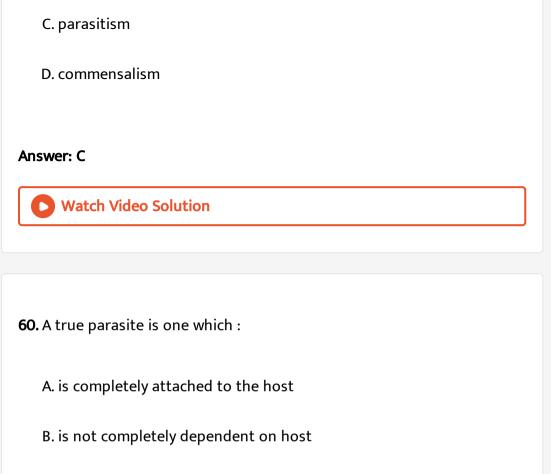
Answer: A



59. The relationship between two organisms in which one obtains some benefit at the expense of the other is called :

A. symbiosis

B. scavenging



C. complete its life cycle in different hosts

D. wholly completes its life cycle in one host

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Answer: A

61. A parasite that lives within a plant tissue is called as	
A. epiphyte	
B. endophyte	
C. ectophyte	
D. none of these	
Answer: B	
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62. Collateral host means:	
A. host in which life-cycle is completed	
B. grass host	
C. infected host	
D. none of the above	

Answer: C



63. The organism which carries a disease from one organism to another is called:

A. host in which life-cycle is completed

B. vector

C. inoculum

D. sterilization

Answer: B



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64. Which of the following is a partial root parasite?

A. Sandal wood
B. Mistletoe
C. Orobanche
D. Ganoderma
Answer: A
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65. Cuscuta is an example of
A. partial root parasite
B. partial stem parasite
C. complete stem parasite
D. complete root parasite
Answer: C
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66. Which of the following causes parasitic castration of crab
A. Fasciola
B. Nereis
C. Palaemon
D. Sacculina
Answer: D Watch Video Solution
67. Obligate parasities are those organisms which :
A. live only on living host
B. live only on dead and decaying organic matter
C. are essentially parasities but also can become saprophytes

D. are essentially saprophytes but also can become parasities
Answer: A
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68. Parasites capable of living without a host are called
A. facultative
B. permanent
C. obligate
D. none of these
Answer: A
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69. Which one of the following is categorised as a parasite in true sense

- A. The cuckoo (Koel) lays its eggs in crow's nest
- B. The female Anopheles bites and sucks blood from humans
- C. Human foetus developing inside the uterus draws nourishment from the mother
- D. Head louse living on the human scalp as well as laying eggs on the

Answer: D



70. When the organisms live together in such a manner that one organism is benefited while others have no effects, it is termed as:

- A. parasitism
- B. mutualism
- C. tautomerism

D. commensalism
Answer: D
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71. An interaction between two individuals where one is benefitted while
the other is neither benefitted nor harmed is called as
A. predation

B. symbiosis

D. parasitism

Answer: C

C. commensalism

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72. An interaction between two individuals where one is benefitted while the other is neither benefitted nor harmed is called as

- A. Symbiosis
- B. Mutualism
- C. Succession
- D. Commensalism

Answer: D



73. Small fish get stuck near the bottom of a shark and derives its nutrition from it. This kind of association is called as:

- A. predation
- B. parasitism
- C. commensalism

D. symbiosis
Answer: C
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74. A sucker fish (Remora) on a shark would exemplify:
A. Parasitism
B. Mutualism
C. Neutralism
D. Commensalism
Answer: D
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75. In commensalism:

A. both partners are harmed B. both partners are benefited C. weaker partner is benefited D. none of the partners is benefited **Answer: C Watch Video Solution** 76. Study the following statements about Adamsia and select your answer from the answer codes: 1. It is a parasite 2. It is an example of commensalims 3. It is called sea anemone 4. It is called hermit crab Answer codes:

A. 1 and 2 are correct

B. 2 and 3 are correct

C. 3 and 4 are correct

D. 1 and 4 are correct

Answer: B

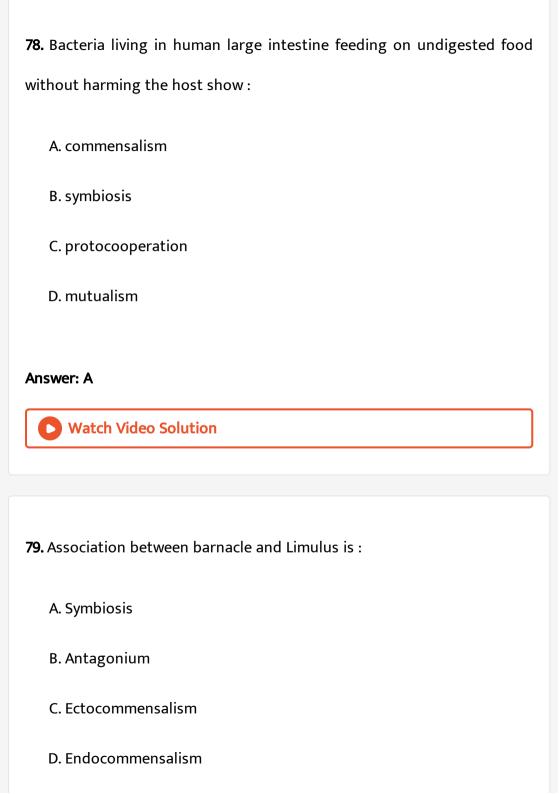
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77. Sea anemone belongs to class

- A. Amensalism
- B. Ectoparasitism
- C. Symbiosis
- D. Commensalism

Answer: C





Answer: C



80. Barnacles growing on the back of whale is an example for :

- A. mutualism
- B. commensalism
- C. parasitism
- D. amensalism

Answer: B



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81. The phenomenon in which one species inhibits the growth another species is called :

A. predation B. amensalism C. parasitism D. commensalism **Answer: B** Watch Video Solution 82. The relationship between two species in which one is inhibited or harmed by the presence of the other is: A. mutualism B. symbiosis C. amensalism D. commensalism Answer: C

83. Amensalism is an association between two species where

A. one species is benefited and other is unaffected

B. one spcies is harmed and other is unaffected

C. one species is harmed and other is benefited

D. both the species are harmed

Answer: A



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84. When in two populations of organisms only one is harmful to the other, the relationship is called :

A. symbiosis

B. mutualism

C. amensalism
D. commensalism
Answer: C
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85. A compound produced by an organism which inhibits the growth of
another organisms is :
A. antiseptic
B. antibiotic
C. antiallergic
D. anticoagulant
Answer: B
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86. Which of the following pairs are correctly matched?

1. Amensalism - A population is inhibited whereas the other populations remain unaffected.

2. Predation - A population uses the other as its food.

3. Mutualism - Interaction favourable to both and obligatory.

Select the correct answer using the codes given below: Answer codes:

A. 1, 2 and 3

B. 1 and 2

C. 1 and 3

D. 2 and 3

Answer: A



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87. The relationship between a cow and a snake is called:

A. Neutralism

C. Competition D. Protocooperation Answer: A **Watch Video Solution** 88. Example of negative interspecific relationship is: A. Antibiosis **B.** Symbiosis C. Mutualism D. Commensalism Answer: A **Watch Video Solution**

B. Symbiosis

89. The world's problem No. 1 today is :
A. Pollution
B. Natural calamities
C. Nuclear proliferation
D. Population explosion
Answer: D
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90. The number of births per thousand people in the population is
expressed as :
A. Growth rate
B. Conception rate
C. Grude birth rate
D. Reproduction rate

Answer: C



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91. If a population of 50 Paramecium present in a pool increases to 150 after an hour, what would be the growth rate of population?

- A. 5 per hour
- B. 50 per hour
- C. 200 per hour
- D. 100 per hour

Answer: D

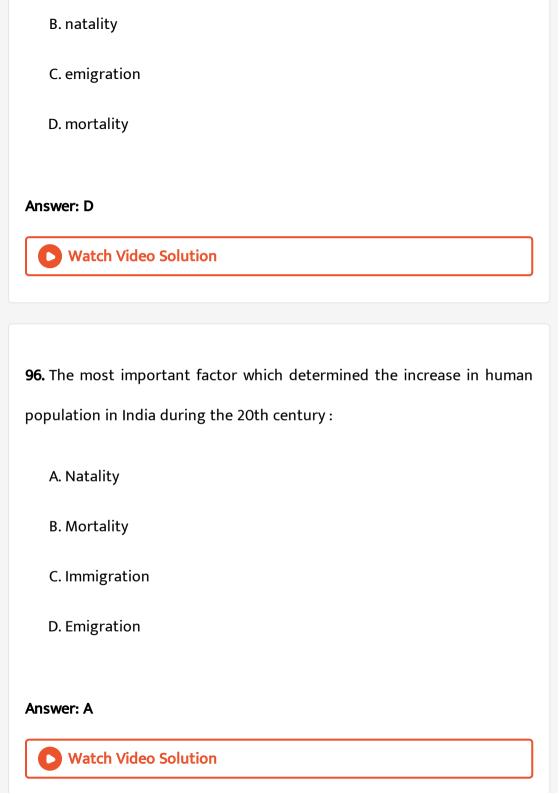


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92. If a population of 50 Paramecium present in a pool increases to 150 after an hour, what would be the growth rate of population?

A. 50
B. 100
C. 200
D. 150
Answer: C
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93. A population has more young individuals compared to the older individuals. What would be the status of the population after some years ?
A. It will decline
B. It will stabilise
C. It will increase
D. It will first decline and then stabilise

Answer: C Watch Video Solution 94. The population of an area tends to decrease by: A. Mortality B. Immigration C. Natality D. All of these Answer: A **Watch Video Solution** 95. The permanent decrease in population number occurs the to: A. migration



97. Natality is the characteristic of population which means:

A. the total number of individuals present per unit area at a given time

B. the increase in number of individuals in a population under given environmental conditions

C. loss of individuals due to death in a populations under given environmental conditions

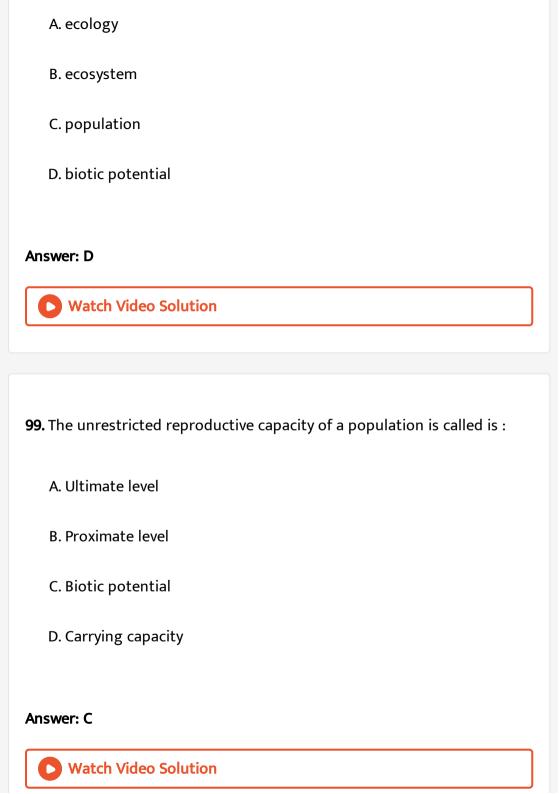
D. the movement of individuals into and out of population

Answer: B



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98. The inherent maximum capacity of an organism to reproducer or increase in number is called as :



100. The measure of maximum rate of reproduction under optimal condition is known as :

- A. Population growth
- B. Biotic potential
- C. Carrying capacity
- D. None of these

Answer: B



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101. Maximum survival and reproductive capacity shown by a population under optimal environmental conditions is called:

- A. Carrying capacity
- B. Biotic potential

C. Natality
D. Vitality
Answer: B
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102. Which of the following is limited by the carrying capacity for a
population growing logistically ?
A. Natality
B. Biotic potential
C. Environmental resistance
D. All of the above
Answer: B
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103. The physiological capacity to produce offsprings is called:	
A. mortality	
B. birth rate	
C. biotic potential	
D. crude natality	
Answer: C	
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104. Biotic potential or potential natality means :	
A. number of organisms is a biome	
B. potential of organism in biome	
C. number of maximum number in a population	
D. natural increase of population under ideal/optimum condition.	

Answer: D



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105. Two opposite forces operate in the growth and development of every population. One of them relates to the ability to reproduce at a given rate. The other force opposing is called:

- A. Fecundity
- B. Mortality
- C. Biotic potential
- D. Environmental resistance

Answer: D



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106. Which of the following is a measure of environmental resources that can sustain a population over a long period of time ?

- A. Biotic potential
- B. Reproductive potential
- C. Carrying capacity
- D. None of these

Answer: C



107. The growth rate of population stabilizes after:

- A. stationary phase
 - B. logarithmic phase
 - C. carrying capacity
 - D. negative acceleration phase

Answer: C Watch Video Solution 108. Carrying capacity of a population is determined by: A. predation B. natality rate C. mortality rate D. limiting resources





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 $\textbf{109.} \ \textbf{When population reaches carrying capacity:} \\$

A. Mortality rate = Birth rate

B. Mortality rate > Birth rate

C. Mortality rate < Birth rate

D. None of the above

Answer: A



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110. In a graph of population, on x-axis time and on y-axis population is plotted. A parallel line to x-axis shows:

- A. Natality equal to mortality
- B. Natality decreases mortality increases
- C. Natality constant mortality increases
- D. Natality increases mortality decrease

Answer: A



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111. If N= population density at time t, then population density at time t+1 can be written as. $N_{t+1}=N_t+[(A+B)-(C+D)].$ Select the correct option for A,B,C and D in the above equation.

A. rate of immigration, mortality rate, natality rate

B. rate of immigration, natality rate, mortality rate

C. rate of emigration, natality rate, mortality rate

D. mortality rate, natality rate, rate of immigration

Answer: B



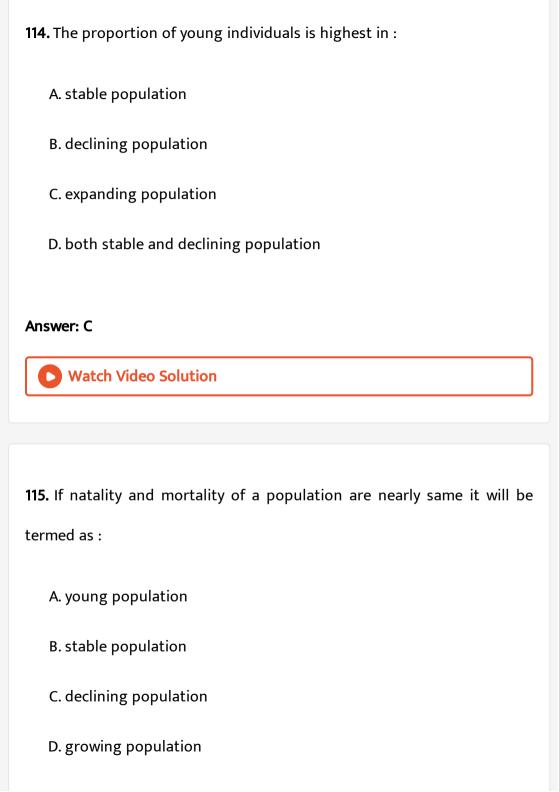
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112. A population that has not reached the carrying capacity is likely to:

A. decline in number

B. grow exponentially

C. remain stable in number					
D. grow but not at an exponential rate					
Answer: B					
Watch Video Solution					
113. The number of individuals of the population who left the habitat and gone elsewhere during the time period under consideration is known as:					
A. Immigration					
B. Emigration					
C. Migration					
D. Natality					
Answer: B					
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Answer: B



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116. If natality rate is parallel to mortality rate then population is:

- A. slowly increases
- B. slowly decreases
- C. remain stationary
- D. show J-shaped curve

Answer: C



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117. If in a population, natality is balanced by mortality then there will be:

A. over population

B. zero population growth

C. increase in population growth

D. decrease in population growth

Answer: B

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118. Zero growth means :

- A. natality is zero
- B. natality balances mortality
- C. natality is less than mortality
- D. natality is more than mortality

Answer: B



119. A protozoan reproduces by binary fission. What will be the number of protozoans in its population after six generations ?

A. 64

B. 24

C. 32

D. 128

Answer: A



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120. Which of the following would necessarily decrease the density of a population in a given habitat ?

A. Natality > mortality

B. Immigration > emigration

C. Mortality and emigration

, 0
Answer: C
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121 Deputation density of terrestrial examisms is measured in terms of
121. Population density of terrestrial organisms is measured in terms of individual per:
A. meter^3
$B.\mathrm{meter}^4$

D. Natality and immigration

C. meter

 $D. meter^2$

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Answer: D

122. The formula for the calculation of population density is $D=rac{n/a}{t}$,

in this formula "a" represents:

A. unit time

B. area of the land

C. population density

D. whole world population

Answer: B



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123. The density of a population can be calculated by:

$$\mathsf{A.}\,D = \frac{S(\mathrm{Space})}{N(\mathrm{Number})}$$

$$B.D = rac{N(ext{Number})}{S(ext{Space})}$$

B.
$$D = rac{N(ext{Number})}{S(ext{Space})}$$
C. $D = rac{S(ext{Size})}{W(ext{Weight})}$

D. None of the above

Answer: B



Watch Video Solution

124. Pertaining to human population, if there is decrease in competition, it would be the result of :

- A. Stable but high population density
- B. Explosion of population density
- C. High population density
- D. Low population density

Answer: D



125. Which of the following factors regulate human life with reference to population density?

A. Availability of food, housing and health facilities

B. Climatic conditions

C. Urbanisation

D. All of the above

Answer: D



Watch Video Solution

126. Which factor controls the population density?

A. Geographic factor

B. Demographic factor

C. Psychological factor

D. Socio-economic factor

Answer: B



127. Which of the following factors controls the human population density?

- A. Industry
- B. Climate
- C. Communication
- D. Natural resources

Answer: B



Watch Video Solution

128. A high density of tiger population in an area can result in:

A. predation B. protocooperation C. interspecific competition D. intraspecific competition **Answer: D Watch Video Solution** 129. Study of trends in human population growth and predation of future development is called: A. Demography B. Biography C. Calligraphy D. Psychology Answer: A



130. Population Growth

- A. Mortality
- B. Natality
- C. Emigration
- D. None of these

Answer: B



Watch Video Solution

131. A force which acts against the achievement of the highest possible level of population growth is known as :

- A. Saturation level
- B. Carrying capacity

C. Population pressure
D. Environmental resistance
Answer: D
Watch Video Solution
132. The phase of the population growth when the natality is equal to
mortality is called as :
A. plateau
B. lag phase
C. log phase
D. experimental phase
Answer: A
Watch Video Solution

133. In order for the human population to achieve zero population growth which of the following must occur ?

A. There must be more post reproductive individuals than reproductive individuals

B. There must be more prereproductive than reproductive individuals

C. There must be the same number or fewer prereproductive individuals as there are reproductive individuals

D. All of the above

Answer: C

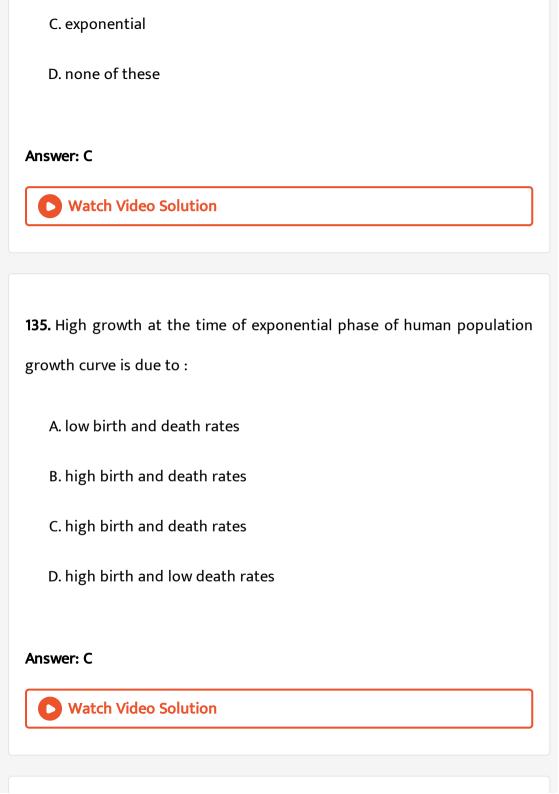


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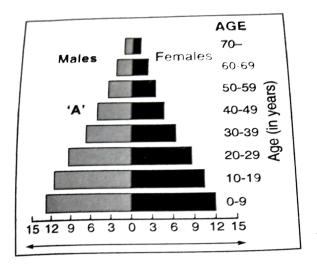
134. Human population growth is:

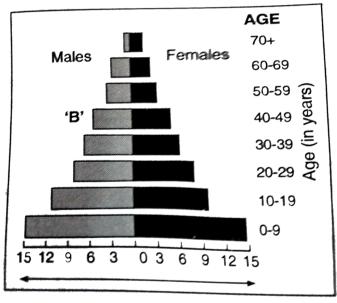
A. lag

B. stationary



136. 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





Interpretations:

A. "A" is more recent and shows slight reduction in the growth rate

B. "A" is the earlier pyramid and no change has occurred in the growth rate

C. "B" is earlier pyramid and shows stabilised growth rate

D. "B" is more recent showing that population is very young

Answer: A



View Text Solution

137. Most important parameter for determining population growth is:

A. natality

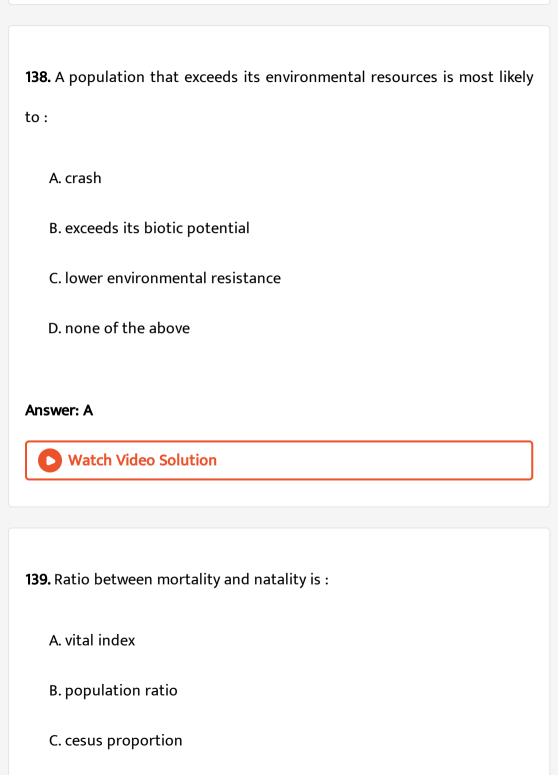
B. vital index

C. population size

D. population growth curves

Answer: C





D. density coefficient

Answer: A



Watch Video Solution

140. In 2005, for each of the 14 million people present in a country, 0.028 were born and 0.008 died during the year. Using exponential equation, the number of people present in 2015 is predicted as

- A. 25 millions
- B. 17 millions
- C. 20 millions
- D. 18 millions

Answer: B



141. A population growing in a habitat with limited resources shows four phases of growth in the following sequence:

- A. Acceleration-deceleration-lag phase-asymptote
- B. Asymptote-acceleration-deceleration-lag phase
- C. Lag phase- acceleration-deceleration-asymptote
- D. Acceleration-lag phase-deceleration-asymptote

Answer: C



142. The age of pyramid with broad base indicates:

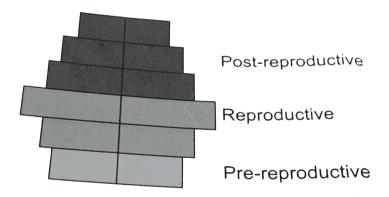
- A. High percentage of young individuals
- B. Low percentage of young individuals
- C. High percentage of old individuals
- D. Low percentage of old individuals

Answer: A



Watch Video Solution

143. What type of human population is represented by the following age pyramid?



- A. Expanding population
- B. Vanishing population
- C. Stable population
- D. Declining population

Answer: D

144. The concept that 'population tends to increase geometrically while food supply increases arithmetically 'was put forward by :

- A. Isaac Newton
- B. Leo Tolstoy
- C. T.R. Malthus
- D. Charles Darwin

Answer: C



Watch Video Solution

145. According to which theory will the human population out run food supply?

A. Altrusian theory

B. Malthusian theory

C. Elton's theory

D. Kalthusian theory

Answer: B



Watch Video Solution

146. Which of the following equations corretly represents the exponential population growth curve?

A. dN/dt = rN

B. dt/dN = rN

C. dN/rN = dt

D. rN/dN = dt

Answer: A



147. If the rate of addition of new species increases with respect to the individual loss of the same population, then the graph obtained has:

- A. declined growth
- B. zero population growth
- C. exponential growth
- D. none of these

Answer: C



Watch Video Solution

148. If the rate of addition of new number increases with respect to the individual lost of the same population, then the graph obtained has:

- A. exponential growth
- B. declined growth

D. none of these
Answer: A
Watch Video Solution
149. Exponential growth in a population is shown by :
A. J-shaped curve
B. S-shaped curve
C. Hyperbolic curve
D. None of these
Answer: A
Watch Video Solution

C. zero population growth

150. Exponential growth occur in A. yeast B. bacterial C. asexual reproduction D. all of these **Answer: C Watch Video Solution** 151. In a population, the condition at which the rate of addition of new members is more than the rate of individuals lost indicates: A. zero population growth B. exponential growth C. fluctuating growth D. declining growth

Answer: B



Watch Video Solution

152. Phenomenal and rapid increase of population in a short period is called:

- A. natural increase
- B. population growth
- C. population explosion
- D. none of these

Answer: C



Watch Video Solution

153. Population explosion has occurred in the last :

B. 300 years C. 100 years D. 50 years **Answer: D Watch Video Solution** 154. Populations explosion in India is due to: A. Climate B. Limited education C. Increased natality D. Political instability **Answer: C Watch Video Solution**

A. 500 years

155. A logistic growth curve depicting a population that is limited by a definite carrying capacity is shaped like the letter :

A. J

B. L

C. M

D. S

Answer: D



156. Match list I with list II and choose the correct option:

	List I		List II
A	Pacific salmon	1	Verhulst-Pearl Logistic growth
В	$N_t = N_0 e^{rt}$	2	Breeds only once in life time
C	Oyster	3	Exponential growth
D	$dN/dt = rN \frac{(K-N)}{K}$	4	A large number of small sized offsprings

A. A-4, B-3, C-1, D-2

B. A-3, B-4, C-1, D-2

C. A-3, B-1, C-4, D-2

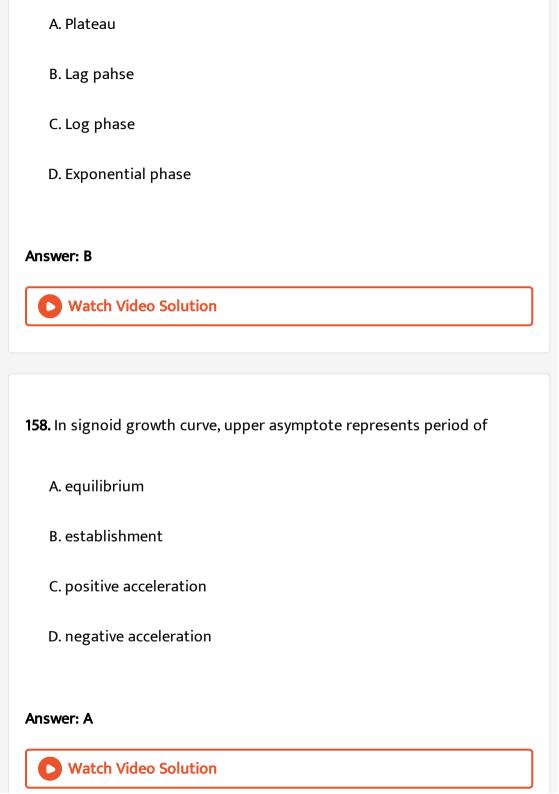
D. A-2, B-3, C-4, D-1

Answer: D



Watch Video Solution

157. In sigmoid populations growth curve, the initial stage of the curve is called :



159. Human population follows:

A. J-shaped population growth

B. Z-shaped population growth

C. S-shaped population growth

D. All of the above

Answer: C



Watch Video Solution

160. Which one of the following factors has contributed most to the rapid rise of human population in the present century?

A. Polygamy

B. Increase in birth rate

C. Decrease in infantile rate

D. Decrease in death rate of old people

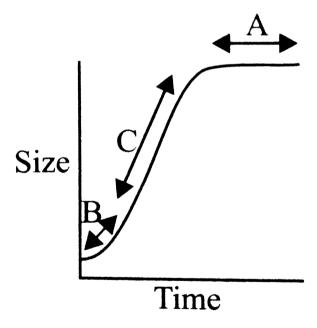
Answer: C



Watch Video Solution

161. Given graph is drawn on the parameters of growth versus time. Here

A,B and C respetively represent



A. Steady state phase, Lag phase and Log phase

B. Lag phase, Log phase and Steady state phase

- C. Exponential phase, Log phase and Steady state phase
- D. Slow growing phase, Lag phase and Steady state phase

Answer: A



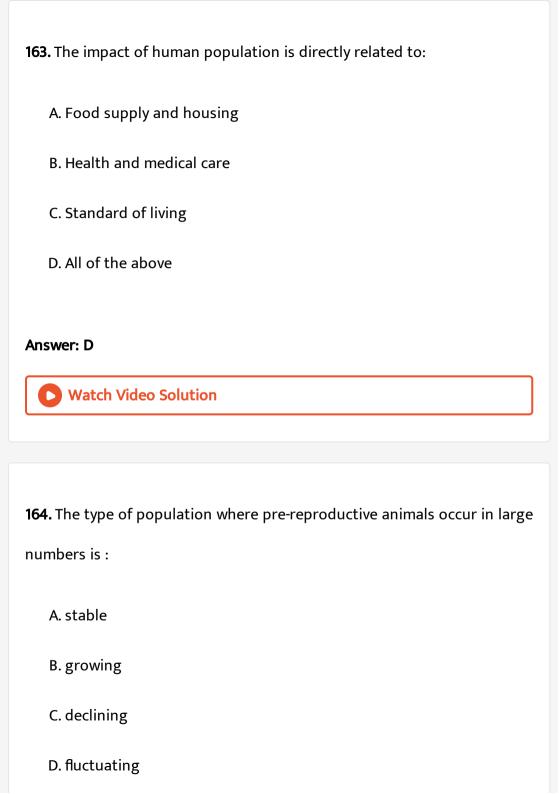
Watch Video Solution

162. High increase in population is due to:

- A. increase in average lifespan
- B. better medical facilities
- C. decrease in death rate
- D. all of the above

Answer: D





Answer: B



Watch Video Solution

165. "A brief reduction in size of a population due to natural calamities usually leads to random genetic drift", for this statement, identify the correct example from the following:

- A. Long necked giraffe
- B. Industrial melanism
- C. Human population of Pitcairn Island
- D. Polydactylic dwarfs in Amish populations

Answer: D



Watch Video Solution

B. Mortality C. Growth rate D. All of these **Answer: C View Text Solution** 167. Bell-shaped polygonal pyramid indicates: A. moderate percentage of young individuals B. high percentage of young individuals C. low percentage of young individuals D. low percentage of old individuals Answer: A

A. Natality

View Text Solution

	168. The formula	for ex	ponential	population	growth is
--	------------------	--------	-----------	------------	-----------

- A. dt/dN = rN
- B. dt/rN = dN
- C. rN/dN = dt
- D. dN/dt = rN

Answer: D



Watch Video Solution

169. The official counting of population is known as:

- A. Census
- B. Enumeration
- C. Population statistics

D. None of these
Answer: A
Watch Video Solution
170. The first census in India was carried out in :
A. 1871
B. 1881
C. 1891
D. 1901
Answer: B
Watch Video Solution
171. In India, census is recorded after every:

A. 5 years B. 10 years C. 15 years D. None of these **Answer: B Watch Video Solution** 172. Which of the following is the most sparsely populated state of India? A. Manipur B. Rajasthan C. Meghalaya D. Arunachal Pradesh **Answer: D Watch Video Solution**

173. Which Indian state has least population growth and highest literacy? A. A.P. B. U.P. C. Kerala D. Assam **Answer: C Watch Video Solution** 174. In India, human population is heavily weighed towards the younger age groups as a result of: A. Short life-span and low birth rate B. Long life-span of many individuals and low birth rate C. Long life-span of many individuals and high birth rate

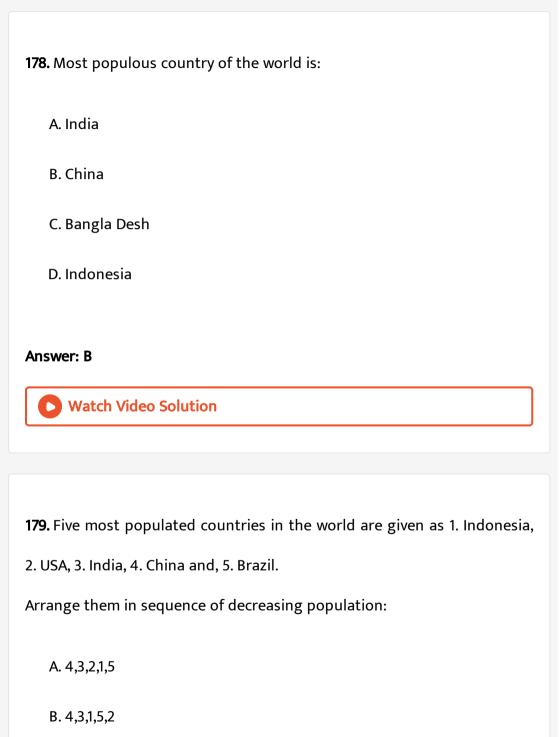
D. Short life-span of many individuals and high birth rate **Answer: D View Text Solution** 175. As per 1991 census, sex ratio (females per 1,000 males) in India is: A. 929 B. 941 C. 972 D. 955 Answer: A





176. To which population category India belongs?

A. Low birth rate and low mortality rate B. Low birth rate and high mortality rate C. High birth rate and low mortality rate D. High birth rate and high mortality rate **Answer: C View Text Solution** 177. In India the population control programme launched in: A. 1955 B. 1976 C. 1951 D. 1987 Answer: C **Watch Video Solution**



- C. 3,2,4,1,5 D. 4,3,5,1,2
- **Answer: A**



Watch Video Solution

180. In which of the following the birth rate is high and death rate is normal?

A. Sweden

B. Indonesia

C. India and Morocco

D. America and Spain

Answer: C



View Text Solution

181. What per cent of world population lives in India?
A. 10
B. 12
C. 15
D. 17
Answer: D
Watch Video Solution
182. If a student wants to study about birth rate, death rate, sex ratio, age
182. If a student wants to study about birth rate, death rate, sex ratio, age distribution, etc., of a population, the information is obtained from :
distribution, etc., of a population, the information is obtained from :
distribution, etc., of a population, the information is obtained from : A. census

Answer: A



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183. Certain characteristic demographic features of developing countries are

- A. high mortality, high density, uneven population growth and a very old age distribution
- B. high fertility, low or rapidly falling mortality rate, rapid population growth and a very young age distribution
- C. high fertility, high density, rapidly rising mortality rate and a very young age distribution
- D. high infant mortality, low fertility, uneven population growth and a very young age distribution

Answer: B

Watch Video Solution

184. Assertion (A): The age-sex structure of human population in countries like France and Germany gives a steep pyramid.

Reason (R): In countries like Sudan and India the population is increasing at a rapid rate.

A. Both (A) and (R) are true and (R) is the correct explanation of (A)

B. Both (A) and (R) are true but (R) is not the correct explanation of (A)

C. (A) is true statement but (R) is false

D. Both (A) and (R) are false

Answer: B



View Text Solution

185. If birth rate is 100, death rate is 10 and number of individual in population group is 1000, then what will be the percentage of natural

growth rate? A. 9.0 % B. 0.09 % C.0.9%D. 90 % Answer: A **Watch Video Solution** 186. In India there is decline in female population as compared to males, this because of: A. number of female children are born less as there is more chance of prenatal death in case of female child B. less female reach reproducitve age C. female infanticide

D. all of the above

Answer: C



Watch Video Solution

- 187. What is true about the isolated small tribal populations?
 - A. There is no change in population size as they have a large gene pool
 - B. There is a decline in population as boys marry girls only from their own tribe
 - C. Hereditary diseases like colour blindness do not spread in the isolated population
 - D. Wrestlers who develop strong body muscles in their life time pass this character on to their progeny

Answer: B

188. Which one of the following organisms reproduces sexually only once in its life time ?

A. Mango

B. Tomato

C. Eucalyptus

D. Banana plant

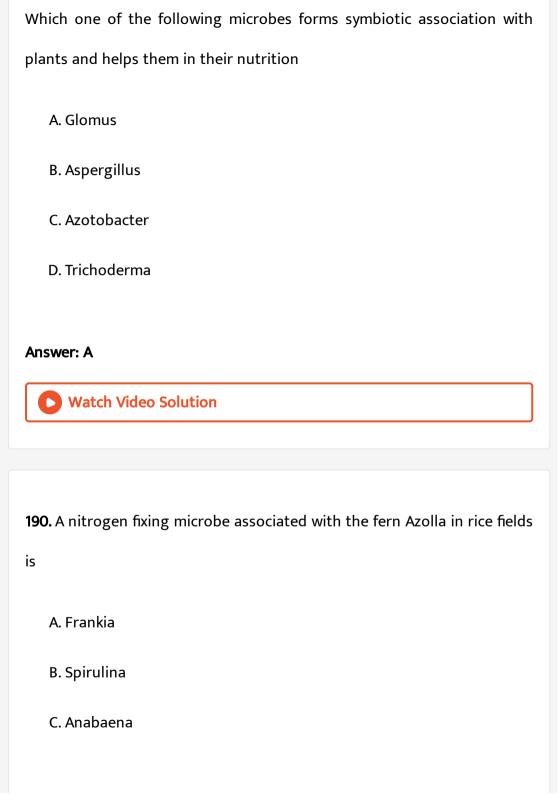
Answer: C



Watch Video Solution

189. Which one of the following helps in absorption of phosphorus from soil by plants

or



D. Tolypothrix

Answer: C



Watch Video Solution

- 191. Which of the following statements is false regarding predators?
 - A. Tiger is an example of a predator.
 - B. Predators keep populations under control.
 - C. Predators help in maintaining species diversity in a community
 - D. If a predator is not efficient, then the prey population would become extinct.

Answer: D



Watch Video Solution

192. Match the following:

	Population Interaction		Example
A	Predation	1	Cuscuta and hedge plants
В	Commensalism	2	Balanus and Chthamalus
C	Parasitism	3	Cactus and moth
D	Competition	4	Orchid and mango

Answer: A



Watch Video Solution

193. Which of the following is a pioneer in xerarch succession?

A. Sedges

C. Bryophytes D. Phytoplanktons **Answer: B Watch Video Solution** 194. Cuscuta is an example of A. Predation B. Ectoparasitism C. Endothermic D. Brood parasitism Answer: B **Watch Video Solution**

B. Lichens

195. Which one of the following is a population?

A. All the plants in a forest

B. All the oak trees in a forest

C. A spider and some trapped flies in its web

D. Earthworm that lives in a grassland along with other arthropods

Answer: B



Watch Video Solution

196. Which one of the following sets of items in the options (a-d) are correctly categorised with one exception in it?

CategoryItems Exception

A. UAA, UAG, UGA Stop codons Exception Items Category

UAG

kangaroo, Koala, Wombat Australian marsupials Wombat

C.

Items Category Excepti Plasmodium, Cuscuta, Trypanosoma Protozoan parasites Cuscuta D.

ItemsCategoryExceptionTyphoid, Pneumonia, DiphtheriaBacterial diseaseDiphtheria

Answer: C



197. The sequence of successional stages that occur on sand is known as:

A. xerosere

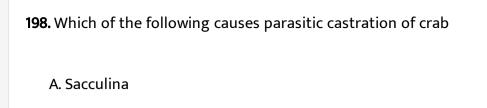
B. lithosere

C. hydrosere

D. psammosere

Answer: D



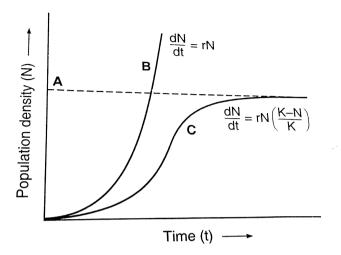


- B. Adamsia
- C. Spongilla
- D. None of these

Answer: A



199. Which is correctly labelled with respect to the given diagram?



- A. C = Exponential curve
- B. A = Carrying capacity
- C. B = Logistic curve
- D. C = Carrying capacity

Answer: B



Watch Video Solution

200. An interaction between two individuals where one is benefitted while the other is neither benefitted nor harmed is called as A. predation B. mutualism C. amensalism D. commensalism **Answer: D Watch Video Solution** 201. The population limited to a particular geographic area is called as: A. alien B. natural C. endemic D. pandemic

Answer: C



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202. The tendency of population to remain in genetic equilibrium may be disturbed by:

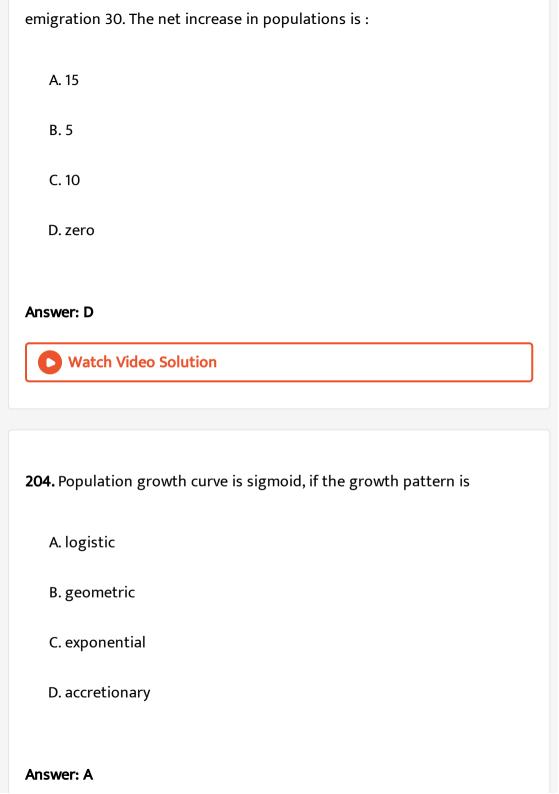
- A. lack of migration
- B. lack of mutations
- C. random mating
- D. lack of random mating

Answer: D



View Text Solution

203. A biologist studied the population of rats in a barn. He found that the average natality was 250, average mortality 240, immigration 20 and





205. Dominant species represents most abundant :

A. first tree

B. shrub that appears for the first time

C. herb that binds the soil and provides organic matter to it

D. species having major effect on physical environment

Answer: D



206. match the following and select the correct option



B. (A) (B) (C) (D) (ii) (iii) (iv)

(D)(B) (C)(A)(iv) (i) (iii) (ii) $(A) \quad (B) \quad (C) \quad (D)$ (iii) (ii) (iv) (i)

Answer: A



207. An orchild growing as an epiphytes on a mango tree is an example for:

A. parasitism

B. predation

C. mutualism

D. commensalism

Answer: D



Watch Video Solution

208. The population growth is generally described by the following equation : $\frac{dN}{dt}=rN\Big(\frac{K-N}{K}\Big)$ What does 'r' represent in the given equation ?

A. death rate

B. carrying capacity

C. population density at time t

D. intrinsic rate of natural increase

Answer: D



Watch Video Solution

209. The number of individuals of the population who left the habitat and gone elsewhere during the time period under consideration is known as :

A. natality

B. mortality

D. immigration
Answer: C
Watch Video Solution
210. The interaction between life organisms of one of the following pairs s an example for commensalism.
A. Cuckoo and crow
B. Wasps and fig tree
C. Orchid and mango tree
D. Cattle or sheep and grass
Answer: C
Watch Video Solution

C. emigration

- 211. Which one of the following causes population explosion?
 - A. Decrease in infant mortality rate and increase in death rate.
 - B. Decrease in death rate, maternal mortality rate and infant mortality rate.
 - C. Decrease in death rate and increase in maternal mortality rate.
 - D. Decrease in infant mortality rate and decrease in number of people in reproductive age.

Answer: B



Watch Video Solution

212. Find the incorrect match:

	I	II	ш
1.	Crab	Sacculina	Interaction ++
2.	Human being	Mosquito	Interaction -+
3.	Sea anemone	Hermit crab	Interaction + 0

B. 2 only C. 1 only D. 2 and 3 Answer: A **Watch Video Solution 213.** Which of the following is correct? A. Population change = (Birth + immigration) + (death + emigration) B. Population change = (Birth + immigration) - (death + emigration) C. Population change = (Birth + emigration)+ (death - immigration)

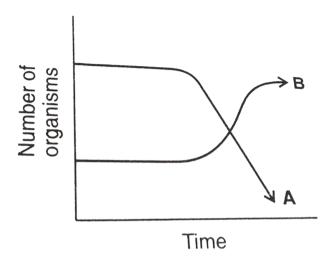
D. Population change = (Birth - immigration)-(death + emigration)

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Answer: B

A. 3 and 1

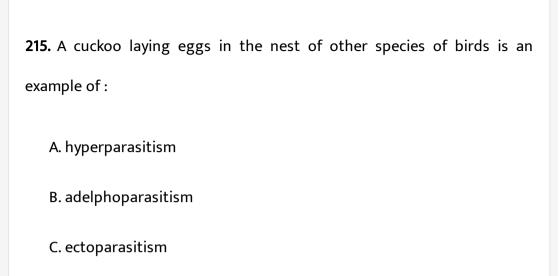
214. The following graph depicts changes in two populations (A and B) of herbivores in a grassy field. A possible reason for these changes is that :



- A. Both plant populations in this habitat decreased
- B. Population A produced more offspring than population B
- C. Population B competed more successful for food than population A
- D. Population A consumed the members of population B

Answer: C





Answer: D



D. broodparasitism

216. One of the following pair of animals is an example of commensalism:

A. Sacculina - Crab

B. Golden Jackal - Tiger

C. Ascaris - Man

D. Plasmodium - Anopheles

Answer: B



Watch Video Solution

217. In which of the following interaction both partners are adversely affected?

- A. Predation
- B. Parasitism
- C. competition
- D. Mutualism

Answer: C



Watch Video Solution

218. An association of individuals of different species living in the same habitat and having functional interactions is :

- A. Ecosystem
- B. Population
- C. Ecological niche
- D. Biotic community

Answer: D



219. When does the growth rate of a population following the logistic model equal zero ? The logistic model is given as dN/dt = rN(1-N/K):

- A. when N/K equals zero
- B. when N/K is exactly one.
- C. when death rate is greater than birth rate.

D. when N nears the carrying capacity of the habitat.

Answer: B



Watch Video Solution

220. Gause's principle of competitive exclusion states that:

A. No two species can occupy the same niche indefinitely for the same limiting resources.

B. Larger organisms exclude smaller ones through competition.

C. More abundant species will exclude the less abundant species through competition.

D. Competition for the same resources excludes species having different food preferences.

Answer: A



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221. Competitive exclusion principle stating that inferior species is eliminated eventually after prologed competition was given by

- A. C. Darwin
- B. G.F. Gause
- C. MacArthur
- D. Verhulst and Pearl

Answer: B



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222. If '+' sign is assigned to benefited interaction '-' sign to detrimental and '0' sign to neutral interaction, then the population interaction represented by '+' '-' refers to:

A. Parasitism

- B. Mutualism

 C. Amensalism

 D. Commensalism

 Answer: A

 Watch Video Solution
- 223. Which of the following is correct for r-selected species?
 - A. Small number of progeny with small size
 - B. Small number of progeny with rate large size
 - C. Large number of progeny with small size
 - D. Large number of progeny with large size

Answer: C



Ncert Corner Exemplar Problems

- 1. Autecology is the
 - A. Relation of a population to is environment
 - B. Relation of an individual to its environment
 - C. Relation of a community to its environment
 - D. Relation of a biome to its environment

Answer: B



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- 2. Ecotone is
 - A. A pulluted area
 - B. The bottom of a lake
 - C. A zone of developing community

D. A zone of transition between two communities

Answer: D



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3. Biosphere is

A. composed of all living organisms present on earth which interact with the physical environment.

B. composed of the plants present in the soil.

C. a component in the ecosystem.

D. life in the outer space.

Answer: A



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- **4.** Ecological niche is
 - A. the surface area of the ocean
 - B. an ecologically position and functional role of a species within the community
 - C. the physical poistion and functional role of a species within the community
 - D. formed of all plants and animals living at the bottom of a lake

Answer: C



- 5. According to Allen's Rule, the mammals from colder climates have
 - A. shorter ears and longer limbs
 - B. longer ears and shorter limbs

- C. longer ears and longer limbs
- D. shorter ears and shorter limbs

Answer: D



Watch Video Solution

- **6.** Salt concentration (salinity) of the sea measured in parts per thousand is:
- - A. 0 5
 - $\mathsf{B.}\,30-45$
 - C. 10 15
 - D.30 70

Answer: B



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7. Formation of tropical forests needs mean annual temperature and mean annual precipitation as:

A.
$$30-50\,^{\circ}\,C$$
 and 100-150 cm

- B. $18-25\,^{\circ}\,C$ and 150-400 cm
- C. $5-15^{\circ}\,C$ and 50-100 cm
- D. $5-15^{\circ} \mathit{C}$ and 100-200

Answer: B



Watch Video Solution

8. Which of the following forest plants controls the light conditions at the ground?

- A. Herbs
- B. Shrubs
- C. Tall trees

D. Lianas and climbers

Answer: C



Watch Video Solution

- **9.** What will happen to a well growing herbaceous plant in the forest if it is transplanted outside the forest in a park?
 - A. It will grow normally.
 - B. It may not survive because of change in its micro climate.
 - C. It will grow well because it is planted in the same locality.
 - $\ensuremath{\mathsf{D}}.$ It grows very well because the plant gets more sunlight

Answer: B



10. If a population of 50 Paramecium present in a pool increases to 150 after an hour, what would be the growth rate of population ?

- A. 5 per hour
- B. 50 per hour
- C. 200 per hour
- D. 100 per hour

Answer: D



- **11.** What would be the per cent growth or birth rate per individual per hour for the same population mentioned in the previous question ?
 - A. 100
 - B. 200
 - C. 50

Answer: B



View Text Solution

12. A population has more young individuals compared to the older individuals. What would be the status of the population after some years?

A. It will decline

B. It will stabilise

C. It will increase

D. It will first decline and then stabilise

Answer: C



13. What parameters are used for tiger census in our country's national parks and sanctuaries?A. Pug marks only

B. Faecal pellets only

C. Actual head counts

D. Pug marks and Faecal pellets

Answer: D



14. Which of the following would necessarily decrease the density of a population in a given habitat ?

A. Natality > mortality

B. Immigration $\,>\,$ emigration

C. Mortality and emigration

D. Natality and immigration		
Answer: C		
View Text Solution		
15. A protozoan reproduces by binary fission. What will be the number of		
protozoans in its population after six generations?		

A. 64

B. 128

C. 24

D. 32

Answer: A

16. In 2005, for each of the 14 million people present in a country, 0.028 were born and 0.008 died during the year. Using exponential equation, the number of people present in 2015 is predicted as :

- A. 25 millions
- B. 20 millions
- C. 17 millions
- D. 18 millions

Answer: C



- 17. Amensalism is an association between two species where:
 - A. one species is harmed and other is benefitted.
 - B. one species is harmed and other is unaffected.
 - C. one species is benefitted and other is unaffected.

Answer: B		
Vie	ew Text Solution	
18. Lichen	ns are the associations of :	
A. fung	igus and algae	
B. fun	igus and virus	
C. bac	cteria and fungus	
D. alga	ae and bacterium	
Answer: A	A	
Vie	ew Text Solution	

A. Mistletoe B. Orobanche C. Ganoderma D. Sandal wood **Answer: D View Text Solution** 20. Which pne of the following organisms reproduces sexually only once in its time? A. Mango B. Tomato C. Eucalyptus D. Banana plant **Answer: B**

- 21. Which of the following statements/s is/are wrong?
- I. Many plants are dependent on sunlight to meet their photoperiodic requirement for flowering.
- II. The UV component of the spectrum is harmful to many organisms.
- III. The tiger cansus in our national parks and tiger reserves is often based on actual head counts.
- IV. Some desert plants like Opuntia, have no leaves- they are reduced to spines.
- V. In brood parasitism the parasitic bird lays its eggs in the nest of its host and does not allow the host incubate them.
 - A. III only
 - B. II and IV only
 - C. III and V only
 - D. I, II and IV only

Answer: C



- 22. Consider the following statements.
- A. Temperature is the most ecologically relevent environmental factor.
- B. Temperature increases progressively from the equator towards the poles and from plains to the mountain tops.
- C. Diversity is not an important characteristic of living organisms.
- D. Mango trees do not and cannot grow in temperate countries like Canada and Germany.

Of the above statements:

- A. B and D are correct
- B. A and B are correct
- C. A and C are correct
- D. A and D are correct

Answer: D



23. Biome distribution with respect to annual temperature and precipitation is given below. Identify grassland and coniferous forest by selecting the correct option:



A. A and B

B. B and E

C. B and D

D. C and D

Answer: B



24. Which one of the following statements is incorrect?

A. In amensalism one species is harmed and other is benefited.

B. commensalism is the interaction in which one species benefits and other is neither harmed nor benefited.

C. The association of cattle egret and grazing cattle is a classic example of commensalism.

D. Competition occurs when closely related species compete for the same resources.

Answer: A



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25. Different species are represented by A, B,C,D,G,P,Q,R and S. Which of the following represents a community?



A. (i) B. (ii) C. (iii) D. None of these Answer: B View Text Solution 26. Read the following five statements (A to E) and select the option with all correct statements. (A) Our intestine is a unique habitat for hundreds of species of microbes.

(B) Snow leopards are found in the forests of Kerala and Tamil Nadu.

(D) Many freshwater animals connot live for long in sea water and vice

(E) The availability of light on land is closely linked with that of

(C) Some snails and fish go into hibernation to avoid summer.

versa because of the osmotic problems.

tamperature.

- A. (A), (D) and (E)
- B. (B), (C) and (E)
- C. (A), (C) and (D)
- D. (A), (B) and (D)

Answer: A



View Text Solution

27. Representation of age pyramids for human population is given below. Identify A, B and C by selecting the correct option:



- A. $\frac{A}{\text{Declining}}$ $\frac{B}{\text{Stable}}$ Expanding
- Declining Stable Expanding $A \quad B \quad C$
- Stable Expanding Declining
- C. $\frac{A}{\text{Expanding}}$ $\frac{B}{\text{Stable}}$ $\frac{C}{\text{Declining}}$
- Stable Declining Expanding

Answer: C



View Text Solution

28. Different factors affecting population density are given below. I,B,D and E represent:



- A. Emigration, immigration, natality, mortality
- B. Immigration, natality, mortality, emigration
- C. Immigration, mortality, natality, emigration
- D. Immigration, natality, emigration, mortality

Answer: B



29. Consider the following statements.

A. The productivity and distribution of plants has nothing to do with

water.

B. Next to temperature, water is the most important factor influencing the life of organisms.

C. Mammals from colder climates generally have longer ears and limbs to minimise heat loss.

D. Life on Earth originated in water and is unsustainable without water.

Of the above statements:

A. A and B are correct

B. A and D are correct

C. B and C are correct

D. B and D are correct

Answer: D



30. Select the correct option:



- (A) (B) (C) (D)
- $^{\mathsf{A.}}$ (ii) (i) (iv) (iii)
- (A) (B) (C) (D)
- (i) (iv) (iii) (ii)
- $\mathsf{C.} \begin{array}{cccc} (A) & (B) & (C) & (D) \\ (iv) & (i) & (ii) & (iii) \end{array}$
- D. (A) (B) (C) (D) (iii) (iv) (ii) (i)

Answer: C



View Text Solution

31. The following diagrams are the age pyramids of different populations.



Select the correct statements regarding the above:

A. A-It is a pyramid-shaped age pyramid indicating decreased population growth.

B. B-It is an inverted bell-shaped pyramid indicating stable population.

 $\hbox{C. C-It is urn-shaped pyramid indicating increased population growth.}\\$

D. All statements are incorrect.

Answer: B



View Text Solution

32. Image of an eminent ecologist is given below. Correctly identify him:



A. Ramdeo Misra

B. Ernst Haeckel

C. Georgii Gause

D. Joseph Grinnell

Answer: A



