

ABLES KOTA

- Cuscuta is an example of 377 oct (a) ectoparasitism (b) endoparasitism (line on the box
- (b) endoparasitism (b) predation (c) predation
- (d) brood parasitism parasitic

cucko) mirals
its host
its mast

Hotopout Totally dependent Colors to Upon the host

Patresia (Total noot panasite)
(Uscuta (Total stern parasite)

A wasp pollinating a fig flower is an

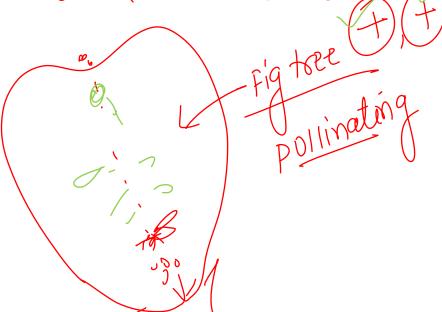


example of

(a) commensalism (b) amensalism

mutualism

(c) parasitism



3

Match column-I with column-II and choose the correct answer.

	Column-I		Column-II
Α.	Pacific Salmon fish	I.	Produces a small number of large sized offspring
В.	Mammals /		Produces a large number of small sized offspring
C.	Oysters	III.	Breed only once in their lifetime
D.	Birds	IV.	Breed many times during their lifetime

(a)
$$A - III, B - \overrightarrow{IV}, C - II, D - I$$

(b)
$$A-I, B-\overrightarrow{IV}, C-II, D-III$$

(c)
$$A - IV, B - II, C - I, D - III$$

(c)
$$A-IV, B-II, C-I, D-III$$

 $A-II, B-IV, C-III, D-I$



Match the following

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	Population	Example
A	. Predation	I Cuscuta and hedge
	Commonation	plants
 B	. Commensalism	II. Balanus and Chathamalus
C	. Parasitism	M. Cactus and moth
\mathbb{D}	. Competition \	V. Orchid and mango
(a	A-III, B-IV.	C-I D-II

- (b) A-IV, B-III, C-II, D-I
- (c) A-I, B-III, C-II, D-IV
- (d) A III, B IV, C II, D I

Species 2 Species In laboratory Alone experiments, Alone two species of the protist Population With With Parameci<u>um</u> Species 2 Species 1 were grown alone Time and in the presence of the other species. The following graphs show growth of species 1 (left) and species 2 (right), both along and when in mixed culture.



Interpretation of these graphs shows that

- (a) competitive exclusion occurred in these experiments.
- (b) both species are affected by interspecific competition but species is less affected.
- (c) both species are affected by interspecific competition but species 2 is less affected.
- (d) both species are affected equally by interspecific competition.

Consider the following statements (A) - (D) Fill in the each with one or two blanks.



A. Lichens represent an intimate (1)
relationship between a fungus and
(ii)

- B. The (iii) are associations between fungi and the roots of higher plants
- C. Plants need the help of ___(iv) __ for pollinating their flowers and dispersing their seeds.
- D. The ___(v) __ pollinates the fig inflorescence while searching for suitable egg laying sites.

Which one of the following options, gives the correct fillups for the respective blank numbers from (i) (v) in the statements?

- (a) (i) Parasitic; (ii) Cyanobacteria; (iii) *Mycorrhizae*; (iv) - Wind; (v) - Bee
- (ii) Mutualistic; (ii) Cyanobacteria; (iii) Mycorrhizae; (iv) Animals; (v) Wasp
- (c) (i) Parasitic; (ii) Cyanobacteria; (iii) <u>Mycorrhizae</u>; (iv) - Insect; (v)
 Bumblebees
- (d) (i) Mutualistic; (ii) Cyanobacteria; (iii) Lichen; (iv) Wind; (v) Wasp

The age of pyramid with narrow base indicates

- (a) high number of young individuals.
- (b) low number of young individuals.
- (c) high number of old individuals.
- (d) low number of old individuals.





Read the following statements regarding adaptation and choose the correct option.

(i) Many xerophytic plants have a thick

Further big.



cuticle on leaf epidermis and sunken

stomata to prevent transpiration. Some xerophytic plants have special (11) photosynthetic pathway (CAM) that enables their stomata to close during M

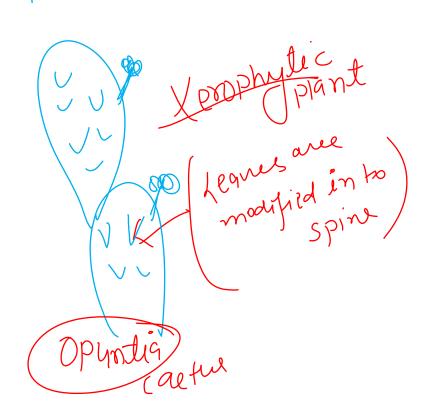
(iii) Opuntias has no leaves, they are reduced to spines

(iv) All adaptation are genetically fixed in all organisms.

(v) In *Opuntia*, the pathway of the photosynthesis is through cycle.

(a) (i), (ii) and (iii) (b) Only (ii)

(iv) and (v) All of these



Which of the following are the characteristics of expanding population?

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- (i) Pyramid shaped age structure.
- (ii) An urix- shaped age structure.
- (iii) Pre-reproductive and reproductive age groups become more or less equal in size.
- (iv) Rapidly growing population with high birth rate
- (a) (i) and (iii)
- (c) (iii) and (iv)

(i) and (iv) (d) (ii) and (iii)

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Stable Decling





1	2	3	4	5	6	7	8	9	10
С	Α	D	Α	Α	С	В	В	Α	В