



# BIOLOGY

**BOOKS - TRUEMAN BOOK COMPANY**

**BIOLOGY (HINGLISH)**

**NCERT Exemplar Questions +2**

**(ORGANISMS AND POPULATIONS)**

**Mcqs**

**1. Autecology is the**

A. relation of a population to its 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**



**Watch Video Solution**

2. Ecotone is

A. a polluted area

B. the bottom of a lake

C. a zone of transition between two communities

D. a zone of developing community

**Answer: c**



**Watch Video Solution**

### 3. Biosphere is

A. a component in the ecosystem

B. composed of the plants present in the  
soil

C. life in the outer space

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

**Answer: d**



4. Ecological niche is

A. the surface area of the ocean

B. an ecologically adapted zone

C. the physical position 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**



Watch Video Solution

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: c**



6. Salt concentration (salinity) of the sea measured in parts per thousand is

A. )10-15

B. 30-70

C. 0 - 5

D. 30 - 35

**Answer: d**



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

A.  $18 - 25^{\circ} C$  and 150 - 400 cm

B.  $5 - 15^{\circ} C$  and 50 - 100 cm

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

D.  $5 - 15^{\circ} C$  and 100 - 200 cm

**Answer: a**



**Watch Video Solution**



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

A. Lianas and climbers

B. Shrubs

C. Tall tree

D. Herbs

**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 will grow well because it is planted in the same locality

C. It may not survive because of change in its micro climate

D. It grows very well because the plant gets  
more sunlight

**Answer: c**



**Watch Video Solution**

**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. 50 per hour

B. 200 per hour

C. 5 per hour

D. 100 per hour

**Answer: d**



**Watch Video Solution**

**11.** What would be the percent growth or birth rate per individual per hour for the same population mentioned in the previous question (Question 10)?

A. 100

B. 200

C. 50

D. 150

**Answer: b**



**Watch Video 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 and then stabilise

**Answer: c**



**Watch Video Solution**

**13.** What parameters are used for tiger census in our country's national parks and sanctuaries ?

A. Pug marks only

B. Pug marks and faecal pellets

C. Faecal pellets only

D. Actual head counts

**Answer: b**



**Watch Video Solution**

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

- A. Natality gt mortality
- B. Immigration gt emigration
- C. Mortality and emigration
- D. Natality and immigration

**Answer: c**



**Watch Video Solution**



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

A. 128

B. 24

C. 64

D. 32

**Answer: c**



**Watch Video Solution**

**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. 17 millions

C. 20 millions

D. 18 millions

**Answer: b**



Watch Video Solution

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

D. both the species are harmed

**Answer: c**



**Watch Video Solution**

**18.** Lichens are the associations of

A. Bacteria ad fungus

B. Algae and bacterium

C. Fungus and algae

D. Fungus and virus

**Answer: c**



**Watch Video Solution**

**19.** Which of the following is a partial root parasite ?

A. Sandal wood

B. Mistletoe

C. Orobanche

D. Gonoderma

**Answer: a**



**Watch Video Solution**

**20.** Which one of the following organisms reproduce sexually only once in its life time?

A. Banana plant

B. Mango

C. Tomato

D. Eucalyptus

**Answer: d**



**Watch Video Solution**