

BIOLOGY

BOOKS - TRUEMAN'S BIOLOGY (ENGLISH)

NCERT Exemplar Questions +2 (EVOLUTION)

Mcqs

- 1. Which of the following is used as an atmospheric pollution indicator
 - A. Lepidoptera

B. Lichens

- C. Lycopersicon
- D. Lycopodium

Answer: b



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2. The theory of spontaneous generation stated that
A. life arose from living forms only
B. life can arise from both living and non-living
C. Life can arise from non-living things only
D. Life arises spontaneously, neither from living nor from the non-
living.

Answer: c



3. Animal husbandry and plant breeding programmers are the examples of

A. reverse evolution

C. mutation
D. natural selection
Answer: b
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4. Palaentological evidences for evolution refer to the
A. development of embryo
B. homologous organs
C. fossils
D. analogous organs
Answer: c
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B. artificial selection

5. The bones of forelimbs of whale, bat, cheetah and man are similar in structure, because.

A. one organism has given rise to another

B. they share a common ancestor

C. they perform the same function

D. they have biochemical similarities

Answer: b



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6. Analogous organs arise due to

A. divergent evolution

B. artificial selection

C. genetic drift

D. convergent evolution

Answer: d



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- 7. $p^2+2pq+q^2=1$ represents an equation used in
 - A. Population genetics
 - B. Mendelian genetics
 - C. Biometrics
 - D. Molecular genetics

Answer: a



- 8. Appearance of antibiotic-resistant bacteria is an example of
 - A. adaptive radiation

C. pre-existing variation in the population D. divergent evolution Answer: c **Watch Video Solution** 9. Evolution of life shows that life has a trend of moving from A. Land to water B. dryland to wet land C. fresh water to sea water D. water to land Answer: d **Watch Video Solution**

B. transduction

- **10.** Viviparity is considered to be more evolved because
 - A. the young ones are left on their own
 - B. the young ones are protected by a thick shell
 - C. the young ones are protected inside the mother's body and are

looked after they are born leading to more chances of survival

D. the embryo takes a long time to develop

Answer: c



- 11. Fossils are generally found in
 - A. 1.sedimentary rocks
 - B. 2. igneous rocks
 - C. metamorphic rocks

D. 4	any	type	of	rock

Answer: a



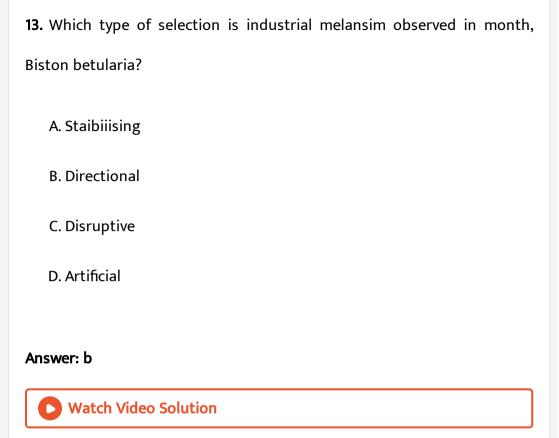
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12. For the MN-blood group system, the frequencies of M and N alleles are 0.7 m and 0.3, respectively . The expected frequency of MN-blood group bearing organisms in likely to be

- A. 0.42
- B. 0.49
- C. 0.09
- D. 0.58

Answer: a





14. The most accepted line of descent in human evolution is

Australopithecus \rightarrow Ramapiecus \rightarrow

B. Homo erectus $\,\rightarrow\,$ Homo habilis $\,\rightarrow\,$ Homo sapiens

Homo sapiens

A.

C. Ramapithecus o Homo habilis o Homo erectus o Homo sapiens

D. Australopithecus o Ramapithecus o Homo erectus o Homo habilis o Homo sapiens

Answer: c



15. Which of the following is an example for link species?

A. Lobe fish

B. Dodo bird

C. Sea weed

D. Tyrannosaurus rex

Answer: a



16. Match the scientists listed under column 'A' with ideas listed column 'B'.





A. i-M, ii-P, iii-N, iv-O

B. i-P, ii-M, iii-N, iv-O

C. i-N, ii-P, iii-O, iv-M

D. i-p, ii-O, iii-N, iv-M

Answer: b



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17. In 1953 SL Miller created primitive earth conditions in the laboratory and gave experimental evidence for origin of first form of life from pre-

existing non-living organic molecules. The primitive earth conditions created include.

- A. low temperature, volcanic storms, atmosphere rich in oxygen
- B. low temperature, volcanic storms, reducing atmosphere
- C. high temperture, volcanic storms, non-reducing atmosphere
- D. high temperature, volcanic storms, reducing atmosphere containing $CH_4,\,NH_3$ etc

Answer: d



- 18. Variations during mutations of meiotic recombinations are
 - A. random and directionless
 - B. random and directional
 - C. random and small

D. random, small and directional

Answer: a

