



BIOLOGY

BOOKS - TRUEMAN BIOLOGY

NCERT Exemplar Questions +2 (EVOLUTION)



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. According to spontaneous generation(Abiogenesis) theory proposed by

Anaximander

A. life arose from living forms only

- B. life can arise from both living and nonliving
- 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

B. artificial selection

C. mutation

D. natural selection

Answer: b

4. Palaentological evidences for evolution refer

to the

A. development of embryo

B. homologous organs

C. fossils

D. analogous organs

Answer: c

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



6. Analogous organs arise due to

A. divergent evolution

B. artificial selection

C. genetic drift

D. convergent evolution

Answer: d

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

B. transduction

C. pre-existing variation in the population

D. divergent evolution

Answer: c

9. Evolution of life shows that life had 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

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

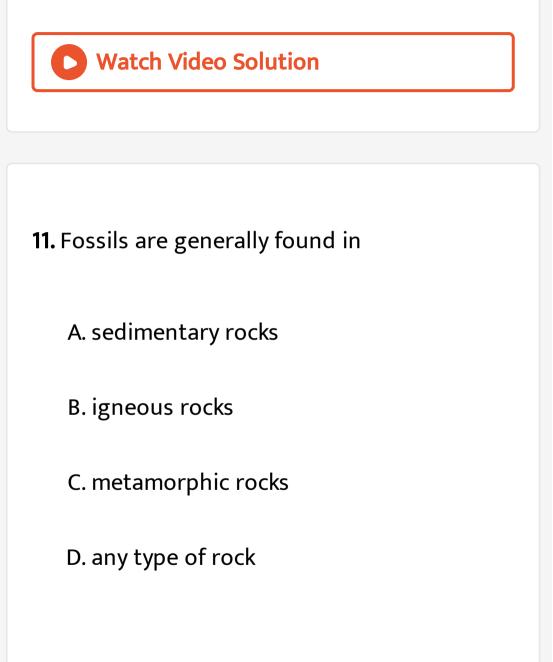
mother's body and are

looked after they are born leading to

more chances of survival

D. the embryo takes a long time to develop

Answer: c



Answer: a



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

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13. Which type of selection is industrial melansim observed in month, Biston betularia?

A. Staibiiising

B. Directional

C. Disruptive

D. Artificial

Answer: b

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

A. Australopithecus \rightarrow Ramapithecus

ightarrow Homo sapiens ightarrow homo sapiens `

B. Homo erectus $ ightarrow$ Homo habilis –	\rightarrow
Homo sapiens	
C. Ramapithecus $ ightarrow$ Homo habilis –	\rightarrow
Homo erectus $\ o$ Homo sapiens	
D. Australopithecus $ ightarrow$ Ramapithec	us
ightarrow Homo erectus $ ightarrow$ Homo habi	lis
ightarrow 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. A) i-M, ii-P, iii-N, iv-O

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

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

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

Answer: b



17. In 1953 S.L. Miller created primitive earth conditions in the labortory and gave experimental evidence for origin of first form of life from pre-existing non-living. Organic molecuels. The primitve earth condition created include.

A. low temperature, volcanic storms, atmosphere rich in oxygen
B. low temperature, volcanic storms, reducing atmosphere C. high temperture, volcanic storms, nonreducing 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