

DPP

DAILY PRACTICE PROBLEMS

Class : XIIth
Date :

Subject : BIOLOGY
DPP No. : 5

Topic :- Evolution

1. de Vries gave his mutation theory on organic evolution, while working on

a) <i>Althea rosea</i>	b) <i>Drosophila melanogaster</i>
c) <i>Oenothera lamarckiana</i>	d) <i>Pisum sativum</i>

2. Which of the following statement is correct regarding the evolution of humans?
 - I. The skull of adult chimpanzee is more like adult human skull than baby chimpanzee skull
 - II. The skull of baby chimpanzee is more like adult human than adult chimpanzee skull
 - III. *Dryopithecus* is oldest human like fossil
 - IV. *Dryopithecus* found in Miocene rock of Africa and Europe
 The correct option is

a) I and II	b) I and III	c) I and IV	d) All excepts I
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3. Select the correct statement from the given options
 - a) Darwinism variation are small and directionless
 - b) Fitness is the end result of the ability to adapt and gets selected by nature
 - c) All mammals except whales and camels have seven cervical vertebrae
 - d) Mutations are random and directional

4. Human arm is homologous to

a) Seal flipper	b) <i>Octopus</i> tentacle	c) Bird wing	d) Both (a) and (c)
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5. Lamarck's theory of evolution is also known as
 - a) Theory of acquired characters
 - b) Theory of genetic characters
 - c) Theory of spontaneous characters
 - d) Theory of impose characters

6. Which fossil man has been known from Shivalik hills in India?

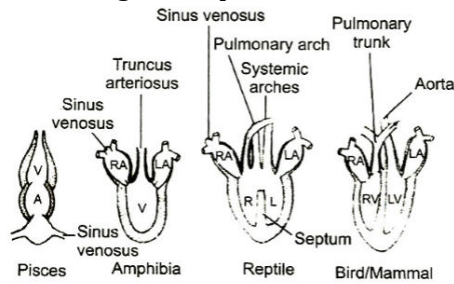
a) <i>Ramapithecus</i>	b) <i>Zinjanthropus</i>	c) <i>Shivapithecus</i>	d) <i>Pithecanthropus</i>
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7. The crosspterygian fish '*Latimaria*' is considered as the ancestor of terrestrial tetrapods. During which period these fishes evolved into Amphibians?

a) Devonian	b) Silurian	c) Ordovian	d) Cambrian
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8. *Australopithecus* is also called
 a) Java ape man b) First ape man c) African ape man d) Both (b) and (c)
9. According to de Vries theory, evolution is
 a) Discontinuous b) Jerky
 c) Continuous and smooth d) Both (a) and (b)
10. Which is a unit of evolution?
 a) Cell b) Individual c) Population d) Species
11. Primates which existed about 15 million years ago were
 I. *Dryopithecus*
 II. *Homo habilis*
 III. *Ramapithecus*
 IV. *Australopithecus*
 V. *Homo erectus*
 VI. Neanderthal man
 Choose the correct option
 a) I and II b) III and IV c) V and VI d) Only III
12. The Coenozoic era is often designated as
 a) Age of fish b) Age of reptiles c) Age of mammals d) Age of amphibians
13. When and who wrote the book *The origin of species*?
 a) Mendel in 1809 b) Wallace in 1858 c) Lamarck in 1869 d) Darwin in 1859
14. Spontaneous generation theory was given by
 a) F Redi b) L Spallanzani c) Louis Pasteur d) Aristotle
15. What is the relationship between the wing of a bird and the wing of a bat?
 a) They are homologous because they represent modified forms of a trait present in a common ancestor (forelimbs)
 b) They are analogous because while each carries out the same function (flight), this trait has arisen independently as a result of convergence
 c) There is no relation between the wings of bird and wings of bat
 d) They both have undergone severe mutation

16. Given diagram depicts



- a) Evolutionary evidences from comparative anatomy and physiology b) Evolutionary evidences from embryology
- c) Evolutionary evidences from biochemistry and physiology d) Evolutionary evidences from cytology
17. *Homo erectus* lived about
- a) 2 million years ago b) 1.5 million years ago
- c) 1 million years ago d) .5 million years ago
18. The concept of chemical evolution is based on
- a) Crystallization of chemicals
- b) Interaction of water, air and clay under intense heat
- c) Effect of solar radiation on chemicals
- d) Possible origin of life by combination of chemicals under suitable environment conditions
19. The stage next to *Homo habilis* was
- a) *Homo erectus* b) *Homo sapiens* c) *Dryopithecus* d) Neanderthal man
20. What was the name of the sail ship used by Charles Darwin during the sea Voyage?
- a) HMS Beagle b) HSM Beagle c) HMS Eagle d) HSM Eagle