



The New English Private School (NEPS)

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Name _____ 2ndQuarter Date _____ 2020 Subject: Biology
Review question Grade 12__ Teacher's Name Mis. Wudinesh

I. Choose the correct answer from the given alternatives

- The type of RNA that carries the genetic code from DNA to ribosome is:
A. tRNA B. rRNA C. mRNA D. RNA Primer
- What is the role of alkali in genetic finger printing said to be:
A. Cleave DNA into fragments
B. To separate the strand of each DNA fragments
C. To extract DNA
D. To amplify DNA sample
- Because genetic code is the same in all organisms it is said to be:
A. Degenerate B. Non- overlapping C. Universal D. Triplet
- All are terminating codons except:
A. UAA B. GUG C. UAG D. UGA
- If the base of an anticodon are AUC, Corresponding codon triplets?
A. UAG B. TUG C. TAG D. CUA
- Translation is the transfer of the genetic code from a mRNA molecule to amino acid:
A. Ribosomal subunit B. RNA molecule
C. Sequence of amino acid D. Other DNA molecule
- The best definition of transgenic organism is :
A. Any organism that has had a foreign gene added to its genome
B. A plant that has been genetically modified
C. A bacterium that contains genes from another organism
D. AN animal that has been pharmed
- Inheritable variations caused by a change in the genes and chromosomes are known as:
A. Adaptation B. Mutation C. Hybridization D. Natural selection

9. Special creationism always suggested that:
- A. Evolution is a tool of a supreme being
 - B. Different forms of life on earth were created by a supreme being
 - C. Life on earth originally came from elsewhere in the universe.
 - D. All
10. Lamark is known for the theory of
- A. Evolution by means of natural selection
 - B. Recapitulation
 - C. Use and disuse
 - D. Origin of life on earth
11. Charles Darwin becomes famous for his theory of:
- A. Abiogenesis
 - B. Natural selection
 - C. Biogenesis
 - D. Gene mutation
12. All are eukaryotes except:
- A. Fungi
 - B. Eubacteria
 - C. Animalia
 - D. Plantae
13. Which of the following do biologists consider ancestral to the higher organisms today?
- A. Plantae
 - B. Animalia
 - C. Fungi
 - D. Protista
14. A theory of evolution that relates natural selection, genetics and animal behaviour is:
- A. Neo-Darwinism
 - B. Biochemical theory
 - C. Darwin theory
 - D. Lamark theory
15. Darwin theory of evolution by natural selection is based on the following except:
- A. Variation
 - B. Use and disuse
 - C. Fecundity
 - D. Struggle for survival
16. Which of the following factors can make gene mutation to occur frequently?
- A. Nicotine
 - B. UV-ray
 - C. Colchicine
 - D. All
17. _____ forms the back bone of DNA Strand
- A. Histone protein
 - B. Sugar and phosphate
 - C. Bases
 - D. Hydrogen bond

II. GIVE SHORT ANSWER

18. The sole living molecules that oparin considered as having given rise to life is termed as _____

19. Elaborate the following two theories of Lamark

A. Use and disuse

B. Inheritance of acquired traits

20. In 1809 Lamark published a paper entitled_____

21. Explain the following terms

A. Vestigial organ

B. Non sense mutation

C. Chemical evolution

D. Organic evolution

22. Write three ways by which mutant gene found in plasmids transfer from one bacterium to another.

23. List and explain the five types of chromosomal mutation.

24. What is polyploidy?_____

25. What is the difference between somatic mutation and germ cell mutation?

26. Amino acids that the body cannot make and must obtain from food are termed as_____.

27. What are protobionts?_____

28. Explain the contribution of Oparin, Haldane and Miller in biochemical theory of evolution

29. Primitive atmosphere of the earth was free of_____molecule.

30. The pigment that cyanobacteria use to capture light energy is called_____.

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