



(To be answered after reading the textbook on evolution)

MULTIPLE CHOICE QUESTIONS

- The slow process by which new species of organisms arise from pre-existing forms by genetic variation is called
 - Mutation
 - Evolution
 - Hybridization
 - Genetics
- The creationism theory that suggests the creation of earth in 6-24 hour days is
 - Young age creationism
 - Day age creationism
 - Gap creationism
 - Evolutionary creationism
- Which one of the following is not among the theories of the origin of life on earth
 - Eternity of life
 - Biochemical origin
 - Cosmozoan theory
 - Endosymbionts theory
- The theory which was promoted by catholic church popes and espoused by most mainland protestants is
 - The theory of spontaneous generation
 - Cosmozoan theory
 - Theistic evolution
 - D. Eternity of life theory
- The one which accepts the Bigbang as the origin of the universe is
 - The theistic evolution
 - Progressive creationism
 - Intelligent design
 - Young earth creation
- What were the views of Louise Pasteur when disproving the spontaneous generation?
 - Spontaneously
 - As a result of biochemical reaction
 - From outer space
 - Only from pre-existing life
- The term used to cover the fact that it is a form of creationism cloaked in scientific sounding ideas is?
 - Intelligent design
 - Progressive creation
 - Theistic creation
 - Day-age creationism
- The earth was originated approximately
 - 3.6×10^6 MYA
 - 4.6×10^9 BYA
 - 4.6×10^6 MYA
 - 3.6×10^6 BYA
- Coacervates are clusters of
 - Sugar
 - Fats
 - Sugar and Fats
 - Proteins
- The primitive atmosphere of the earth lacked
 - CO_2
 - CH_4
 - NH_3
 - O_2

11. The most acceptable theory of the origin of life was proposed by
 - B. Lamark and Buffon
 - C. Oparin and Haldane
 - C. Miller and Urey
 - D. Darwin and pennet
12. Which of the statement is true
 - A. Biological evolution led to chemical evolution
 - B. Chemical evolution led to biological evolution
 - C. Both A and B occurred simultaneously
 - D. No A and B but a special creation by one supernatural God
13. The atmosphere of primitive earth was ____ in nature
 - A. Oxidizing
 - B. Reducing
 - C. Reducing and oxidizing
 - D. Not suitable
14. Which one of the following scientists tested the biochemical hypothesis of the origin of life?
 - A. Oparin
 - B. Miller
 - C. Pasteur
 - D. Redi
15. According to abiotic origin of life, life originated
 - A. From non-living to living
 - B. Spontaneously from non-living
 - C. From pre-existing living form
 - D. From coacervate
16. The theory that claims the arrival of life originally from elsewhere in the universe is
 - A. Cosmozoan theory
 - C. Biochemical theory
 - B. Eternity of life
 - D. Theory of spontaneous generation
17. In the course of evolution which of the following events came before all the others?
 - A. Origin of the oldest Eukaryotic organisms
 - B. Origin of the first multicellular animal and plants
 - C. Availability of free oxygen in the atmosphere
 - D. Origin of dinosaurs and other reptiles
18. The first photosynthetic organisms were
 - A. Bacteria
 - B. Bacteriophages
 - C. Cyanobacteria
 - D. Green plants
19. Miller and Urey created an atmosphere containing
 - A. H_2 , NH_3 , N_2 , H_2O -Vapour
 - B. H_2 , CH_4 , NH_3 and water vapour
 - C. H_2 , O_2 , NH_3 and CH_4
 - D. H_2 , CH_4 , N_2 and water vapour
20. "Life can originate from pre-existing life only." This was proved by
 - A. Miller
 - C. Oparin - Haldane
 - B. Louis Pasteur
 - D. Morgan – Pennett
21. Life originated
 - A. In water
 - C. On land
 - B. In air
 - D. Elsewhere
22. The atmosphere of primitive earth was converted from reducing to oxidizing atmosphere by
 - A. Chemotrophs
 - C. Autotrophs
 - B. Photoautotrophs
 - D. Chemoheterotrophs
23. Life originated in the area known as
 - A. Mesozoic
 - C. Precambrian
 - B. Coenozoic
 - D. Proterozoic

24. Coacervates
- Cyanobacteria
 - Colloidal suspension of molecules
 - Aggregates of molecules
 - Primitive types of cells formed by aggregates of molecules
25. Life originated on earth approximately ____ years ago
- 2000 million years ago
 - 3600 million years ago
 - 3600 million years ago
 - 4600 million years ago
26. "Descent with modification." Means
- Origin of life
 - Darwinism
 - Evolution
 - Origin and evolution
27. "Rats can be produced by keeping rags and grains at a corner of a room." Which line of thinking support this statement?
- Darwins evolution
 - Spontaneous generation
 - Alternation of generation
 - Sexual reproduction
28. The structures that possess the same evolutionary origin but have different function is called
- Analogous
 - Endemic
 - Homologus
 - Indigenous
29. Which situation causes the health condition known as sickle-cell anemia?
- DNA-denaturation
 - Hemoglobin mutation
 - RNA- mutation and decay
 - Phosphate mutagenesis
30. In which geologic period does the fossil record show more diverse and relatively higher form of organisms?
- Cretaceous
 - Devonian
 - Jurassic
 - Permian
31. Cyanobacteria are photoautotrophs which used the pigment
- Chlorophyll
 - Phycocyanin
 - Phycocerythrin
 - Xanthophyll
32. Biological scientists who do research on how to find evidence of life on other planets in the solar system are called
- Neurologists
 - Palaentologists
 - Biogeographers
 - Astrobiologists
33. The only life forms that are found in rocks for a longer time, 3.5 to 2.1 BYs are the
- Bacteria
 - Fungi
 - Phototists
 - Eukaryotes
34. It states that life evolved from non-biological molecules which reacted together and eventually formed pre-cells. It is ?
- Abiogenesis
 - Biogenesis
 - Progressive creation
 - Theistic theory
35. Palaentological evidence suggests that the first form of life were ____ and were ____
- Autotrophic eukaryotes : anaerobic
 - Heterotrophic prokaryotes : aerobic
 - Phototropic eukaryotes : aerobic
 - Heterotrophic prokaryotes : anaerobic

36. The use and disuse of body parts including the inheritance of acquired characteristics or traits was stated by
- Darwin
 - Lamarck
 - Buffon
 - Arrhenius
37. The constituents of primitive atmosphere were
- CH_4 , NH_3 , H_2S and H_2O
 - CH_4 , H_2S , NH_3 and O_2
 - CH_4 , NH_3 , H_2O and H_2
 - H_2 , CH_4 , H_2S and H_2O
38. The American scientist who made a landmark experiment in the origin of life was?
- Stanley Miller
 - John Haldane
 - Aleksander Oparin
 - John Sutherland
39. The name given to the new version of cozozoan theory stated by Svante Arrhenius is
- Panspermia
 - Big-bang
 - Pseudo-panspermia
 - Coacervate
40. "The universe has always existed and there has always been life in the universe." This is?
- Cosmozoan theory
 - Eternity of life theory
 - Biochemical theory
 - Spontaneous generation
41. "Leave alone rotting meat producing flies, even microorganisms can't be produced spontaneously." This was stated by?
- Lazaro Spallanzani
 - Francesco Redi
 - Louis Pasteur
 - Van Helmont
42. Lamarck's theory of evolution was based on
- Natural selection
 - Inheritance of acquired traits
 - Survival of the fittest
 - Eternity of life
43. The analogous organs from the following are
- Wings of bats and wings of insects
 - Wings of bats and human hands
 - Beaks of birds and human hands
 - Vermiform appendix in man and caecum in herbivores
44. How long did it take to rise for oxygen after being produced for the first time on this planet earth?
- 1×10^6
 - 1×10^7
 - 1×10^8
 - 1×10^9
45. Which of the following creationist view talks about each of the six days meaning billions of years?
- Young age creation
 - Day-age creation
 - Old-age creation
 - Day-gap creation