

ISC BIOLOGY –YEAR 2014 EXAMINATION

ABBREVIATIONS AND LIST OF SCIENTIST'S

LIST OF ABBREVIATIONS TO BE STUDIED:

1. DPD – Diffusion Pressure Deficit
2. HIV – Human Immunodeficiency Virus
3. RuBP – Ribulose Bi Phosphate
4. PGA – Phosphoglyceric Acid
5. RUBISCO – Ribulose Carboxylase
6. IPM – Integrated Pest Management
7. EEG – Electroencephalogram
8. DDT – Dichloro diphenyl tri chloro ethane
9. ECG – Electrocardiogram
10. C. T. Scan – Computed Tomographic Scanning
11. AIDS – Acquired Immune Deficiency Syndrome
12. GMO – Genetically Modified Organism
13. SCID – Severe Combined Immune Deficiency
14. NADP – Nicotineamide adenine dinucleotide phosphate
15. STD – Sexually Transmitted Disease
16. MRI – Magnetic Resonance Imaging
17. MTP – Medical Termination of Pregnancy
18. IVF – In vitro fertilization
19. ZIFT – Zygote Intrafallopian Transfer
20. GIFT – Gamete Intrafallopian Transfer
21. PEP – Phosphoenol pyruvate

SCIENTISTS AND THEIR CONTRIBUTIONS:

1. Lederberg – Chemogeny, Biogeny, & Cognogeny
2. Oparin – Conditions on primitive earth were favourable for chemical evolution
3. Stanley Miller & Harold Urey – Recreated probable conditions on primitive earth
4. Sydney Fox – Coacervates
5. Andreas Wagner – Obtained the fossil of Archaeopteryx lithographica
6. Von Baer – Proposed the recapitulation theory
7. Ernst Haeckel – Biogenetic law
8. Charles Darwin – Natural Selection
9. Lamarck – Inheritance of acquired characters
10. Hugo de Vries – Mutation

11. Raymond Dart – Discovered the fossil of Australopithecus
12. Mac Gregar – Discovered the fossil of Cromagnon man
13. Meyer – Coined the term “Diffusion Pressure Deficit”
14. Kramer – Active & Passive absorption of water by roots
15. Dixon & Jolly – Cohesion – Tension & Transpirational pull
16. Levitt – Active K^+ ion Transport mechanism of opening & closing of stomata
17. Munch – Mass Flow Hypothesis
18. Robert Hill – Photolysis of water
19. Ruben & Kamen – Oxygen comes from water in photosynthesis
20. M. D. Hatch & C. R. Slack – Proposed C_4 cycle
21. Blackman – Principle of Limiting Factors
22. Calvin – C_3 cycle
23. Decker – Photorespiration
24. Rudolph Camerarius – First to describe sexual reproduction in plants
25. Leeuwenhock – Reported Polyembryony
26. Gustafon – First to induce parthencarpy
27. P. K. Sethi – Prosthesis
28. Spallanzani – Artificial Insemination
29. John Otto – Reported Haemophilia
30. Ronald Ross – Malarial parasite life cycle in mosquito
31. Robert Koch – Germ Theory of Disease
32. Karl Landsteiner – Rh factor
33. T. R. Malthus – Theory of Human Population Growth
34. Alec Jeffrey – DNA finger printing
35. Godfrey Hounsfield – First invented C T Scan
36. G. Nawaschin – Double Fertilization
37. John Ray – Introduced the term ‘species’