



# SHIKSHA CLASSES

## BOARD QUESTION PAPER

Subject : Biology

Ch. : 5. Origin and Evolution of Life

Total Marks : 25

Class : XII

Time : 1 Hr.

**Q.1. : Select & write the most appropriate answer from the given alternatives for each sub-question. 4**

- i) According to Mendel every gene that influences a trait has ----- alleles  
a) 1                                      b) 2                                      c) 3                                      d) 4
- ii) Genetic variations are caused due to various aspects of -----.  
a) Mutation                      b) Recombination  
c) Migration                      d) All of these
- iii) Site of fossil record of homosapiens  
a) Germany                      b) Africa  
c) Himacha Pradesh              d) Ethiopia
- iv) Gene frequency in a population remain constant due to .....  
a) Mutation                      b) Migration                      c) Random mating              d) Non-random mating

**Q.2.: Write the answer in ONE sentence. 2**

- i) How is bipedal locomotion useful?  
ii) What is pre-mating isolating mechanism? Name its types.

### Section B

**: Attempt any THREE. 6**

**Q.3.:** What is deletion & duplication of chromosomal aberration?

**Q. 4:** What is mendelian population?

**Q. 5:** State the Hardy-Weinberg equilibrium law.

**Q.6.:** Enlist the different factors that are responsible for changing gene frequency.

### Section C

**Attempt any THREE. 9**

**Q.7.:** What is Chromosomal aberration? Explain Inversion & Translocation.

**Q.8.:** Explain post mating barriers in reproductive isolation.

**Q.9.:** Explain in short how human evolution is good.

**Q.10.:** Write the objections to Mutation theory of Hugo de Vries.

### **Section D**

**: Answer the following : (ANY 1)**

4

**Q.11.:** Which are the major changes that took place in evolution of man?

**Q.12.:** What is reproductive isolation? Name the types of isolating mechanisms.

\* \* \*

SHIKSHA CLASSES, BHANDARA

# BECOME AN ACE IN JEE & NEET



**SHIKSHA CLASSES**

Believe & Achieve

**JEE | NEET | Previsa (8-10)**

📞 8625055707 | 8623085707 🌐 [shikshaclasses.co.in](https://shikshaclasses.co.in)

M-19, MHADA Colony, Khat Road, Bhandara



Learn with Jaiswal sir