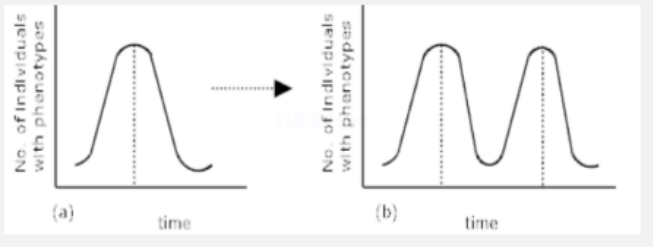
INDIAN SCHOOL NIZWA - WORKSHEET

BIOLOGY-WS Class XII A

Ch 6 Evolution, Ch 7 Human Health and Diseases and Ch 8 Microbes in human welfare- Revision (Board Questions)

1.	Are the thorn of Bougainvillea and tendril of Cucurbita homologous or analogous? What type of evolution has brought such a similarity in them?
2.	According to Hardy-Weinberg principle the allele frequency of a population remains constant ($p^2 + 2pq + q^2 = 1$). How do you interpret the change of frequency of alleles in a population?
3.	In England during the post industrialised period, the count of melanic moths increased in urban area but remained low in rural areas. Explain.
4.	Study the figures given below & answer the following question.  i) Under the influence of which type of natural selection would graph (a) become like (b). ii) What could be the likely reason for new variations arising in a population. iii) Who suggested natural selection as the mechanism of evolution?
5.	Breast-fed babies are more immune to diseases than bottle-fed babies. Why?
6.	Lymph nodes are secondary lymphoid organs. Describe the role of lymph nodes in our immune response.
7.	What is the role of histamine in inflammatory response? Name few drugs which reduce the symptoms of allergy.
8.	What are autoimmune diseases? Give two examples?
9.	What are Cannabinoids? From which plant Cannabinoids are obtained? Which part of the body is affected by consuming these substances?
10.	How does a small amount of curd added to fresh milk convert it into curd? Mention a nutritional quality that gets added to the curd.
11.	How do Bio fertilisers enrich the fertility of soil? How do cyanobacteria act as biofertilizers?
12.	Name the enzyme produced by Streptococcus bacterium. Explain its importance in medical sciences.
13.	Name the source of cyclosporin-A. How does this bioactive molecule function in our body?
14.	Determination of Biological Oxygen Demand (BOD) can help in suggesting the quality of a water body. Explain.
15.	How does the application of the fungal genus, Glomus, to the agricultural farm increase the farm output?