

Biology

Full Syllabus Test

IX (ICSE)

Full Marks : 80

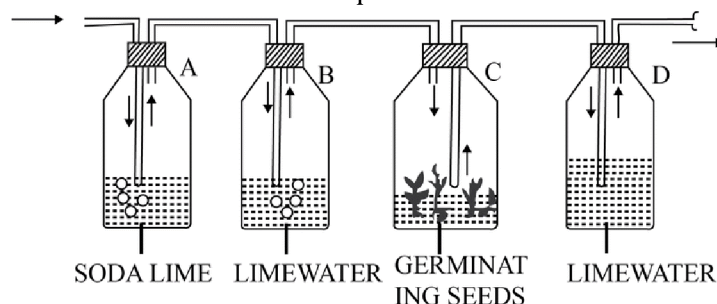
Time : 2 hrs.

1. (i) Which one is a true fish?
 (a) jellyfish (b) starfish (c) dogfish (d) silverfish
 (ii) Which among the following is exclusively marine?
 (a) porifera (b) echinodermata (c) mollusca (d) pisces
 (iii) Pteridophyta do not have
 (a) root (b) stem (c) flowers (d) leaves
 (iv) Identify a member of proifera
 (a) spongilla (b) euglene (c) penicllium (d) hydra
 (v) Skeleton is made entirely of cartilage in
 (a) sharks (b) angler (c) rohu (d) none of these
 (vi) Plasmodium is an example of
 (a) virus (b) bacteria (c) protozoa (d) worm
 (vii) Diarrhea, cholera, typhoid are the diseases that have one thing in common that is
 (a) all of them are caused by bacteria
 (b) all of them is transmitted by contaminated food and water
 (c) all of them are cured by antibiotics
 (d) all of the above
 (viii) HIV virus attacks one of the following cells in our body?
 (a) Red blood cells (b) White blood cells (c) Liver cell (d) Long cell
 (ix) The pathogens of diseases are
 (a) Bacteria (b) Virus (c) Protozoa (d) All of these
 (x) Penicillin is a drug that can
 (a) interfere in the biological pathway of bacteria (b) An antibiotic that can kill bacteria
 (c) Both (a) and (b) (d) None of these
2. **Distinguish the following:** 2 × 5
 (a) Respiration and combustion.
 (b) Anaerobic respiration in plants and animals.
 (c) Mollusca and arthropoda
 (d) Kwashiorkor with marasmus.
 (e) Active and passive immunity
3. **Write the vaccines given for the diseases along with the category of the vaccine.** 4
 (a) BCG vaccine
 (b) TAB vaccine
 (c) DPT
 (d) Salk's vaccine
4. **Name the casual organism and symptoms of the following disease:** 1 × 6
 (a) Cholera
 (b) Typhoid
 (c) Sleeping sickness
 (d) Elephantiasis
 (e) Chicken pox
 (f) Amoebiasis

5. Write the answers of any ten:

5 × 10

- (a) Write the equations only the reaction of pancreatic and gastric juices. How and where absorption of digested food take place? Differ chyle with chyme. 3+1+1
- (b) In order to study and prove a particular physiological process in plants, the following experiment was set up. Study the same and then answer the questions that follow:



- (i) Name the physiological process being studied.
- (ii) What is the function of soda lime in the bottle 'A' and why is lime water placed in bottle 'B'?
- (iii) What change would you expect to observe in bottle 'D'?
- (iv) What observation will be noticed if in flask C boiled seeds are kept?
- (c) Compare monocot seed with a dicot. What is germination? What is vivipary? Give example. 3+1+1
- (d) Draw a plant cell and write about any three parts of it. Differ plant cell with animal cell. 3+2
- (e) Write about agricultural waste and 'e'-waste. Describe the method of preparing compost. What is incineration? 2+2+1
- (f) What is pollination? Classify it with definition. Differ insect pollinated flower with wind pollinated of flower. Define double fertilization. 1+1+2+1
- (g) What are the functions of skin. What is piloerection? Name two modified sebaceous gland with their location and function. Classify skin into its main components. 1+1+1+2
- (h) What is immunity? Write the two main categories of immunity. What are antibiotic? Write 2 differences between antiseptics and disinfectants. 1+2+1+1
- (i) Differ tendon with ligament. Name the bones of hinds limbs with number. Classify different types of ribs. Give a chart of joints with examples. Which are called antagonistic muscle, give example. 1+1+1+1+1
- (j) Give a chart of different types of fat soluble vitamins with their scientific names and deficiency diseases. Classify different types of minerals with diseases only. What is roughage? 2+2+1
- (k) Give a full chart of 5 kingdom classification with examples. Differ gymnosperms with angiosperm. Write in short about monera. 3+1+1
- (l) Give a summary chart of human respiratory volumes. What is hypoxia? What happens in alveolus? 3+1+1