

BIOLOGY-9th

NOTE: There are three sections of this paper. Carefully read the instructions for each section and attempt accordingly. Attempt all questions of Section-A and return it to the superintendent within given time, even if you have not attempted any question. Select the correct choice and write only A, B, C or D, whichever is appropriate, in the answer box. No marks will be awarded for cutting/erasing/overwriting.

T- Allowed : 15 Min;

SECTION-A

Max. Marks:12

1. Which of the enzymes digest fats? (a) Lipase (b) amylase , (c) tyline (d) bile.....
2. Frog's heart has.....chambers. (a) two (b) three (c) four (d) Five.....
3. Which of the following disease is caused by virus? (a) typhoid (b) cholera (c) influenza (d) tetanus.....
4. Swim bladder is present in(a cartilaginous fish, (b) bony fish (c) both A&B (d) None.....
5.is caused due to deficiency of vitamin-C (a) rickets (b) scurvy(c) night blindness(d) beriberi.....
6. Kangaroo is a.....mammal. (a) pouched (b) egg laying(c) placenta (d) none
7. Tapeworm lives in the.....(a) blood (b) intestine(c) liver (d) water.....
8. Excess amino acids are converted into carbohydrates by..... (a) heart . (b) kidneys (c) bile (d) liver.....
9. Which of the following is not a fish ? (a) jellyfish (b) dogfish (c) seas horse (d) sawfish.....
10. In angiosperm the male gametophyte is(a) embryo sac (b) pollen sac (c) germinating pollen grain (d) sporangium
11. Group of cells similar in structure and function is called (a) organ (b) tissue (c) organelle (d) organism.....
12. In lungs, exchange of gases occur in the(a) alveoli (b) villi (c) vocal sac (d) bronchiole

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T-Allowed: 2 Hrs. 15 Minutes

SECTION-B

1. Attempt any eight of the following. All carry equal marks.
 - i. Draw a labeled diagram of funaria.
 - ii. Differentiate between monocots and dicots.
 - iii. What do you mean by hibernation period?
 - iv. State four advantages of fungi.
 - v. Differentiate between gram positive and gram negative bacteria.
 - vi. Describe inspiration.
 - vii. Give four characteristics of angiosperms.
 - viii. Write a note on gametophyte of fern.
 - ix. Write the names and achievement of any four Muslim scientists.
 - x. State kinds of plastids.
 - xi. Write a note on appendicitis.

SECTION-C

Max. Marks: 21

NOTE: Attempt any three of the following questions. All question carry equal marks.

2.
 - i. Define cell.
 - ii. Describe structure of an animal cell.
3.
 - i. Explain light and dark reactions of photosynthesis.
 - ii. Write a note on vitamin-A.
4.
 - i. Write the characteristics of class aves.
 - ii. Define metamorphosis. Discuss its kinds.
5.
 - i. Describe female reproductive system of frog.
 - ii. Write beneficial effects of bacteria.