BIOLOGY 9th Class Karachi Board & Ma Time: 2 1/2 Hours SECTION "B" QUESTIONS) (MARKS 21) ver 7 questions from this section. Define the following branches of Biology: Palaeontology (ii) Embryology (c) . Genetics (i) Write down any three distinctive characteristics of 3. Phylum Echinodermata. Define Portal System. Name the two kinds of Portal 4. System of frog. Write three functions of human skeleton. 5. Write any three differences light Microscope 6. Electron Microscope. State Lamarck's Theory of Evolution. 7. Define the following and give one example of each: 8. Herbivores (b) Insectivores (c) Carnivores (i) Write three functions of blood. 9. 10. Define Cold Blooded and Warm Blooded animals and give two examples of each. 11. Draw a neat and labelled diagram of human tooth. (SHORT-ANSWER QUESTIONS) BOTANY NOTE: Answer 7 questions from Draw a near and labeled diagram of chlamydomonas. 12. 13. Define Photosynthesis and write its chemical equation. any three types of bacteria according to their 15. Write three differences Angiosperms & Gymnosperms. 16. Write three points of economic importance of Fungi. 17. Define Phototropism and Geotropism. Write one functions of each of the following: 18. (i) Root (ii) Stem (iii) Leaf Define Pollination and write the names of its two kinds. 19. State Mendel's Law of Dominance and the Law of 20. Segregation. 21. Define the following: Transpiration (i) Osmosis (ii) Diffusion (iii) SECTION 'C' (DETAILED-ANSWER QUESTIONS) ZOOLOGY (MARKS 14) NOTE: Attempt 2 questions from this section. Draw a neat and labeled diagram of the Digestive 22. system of frog. Define Mitosis. Write the names of the four phase 23. Mitosis. Describe the significance of Witosis. What are Viruses? Write general characteristics of 24. viruses. Write the marnes of four viral diseases. **ED-ANSWER QUESTIONS**)

(MARKS 14)

NOTE: Attempt 2 questions from this section.

Draw a neat and labeled diagram of the T.S. of the root

Describe an experiment to prove that oxygen is evolved

Define Aerobic respiration. Write its chemical equation.

Define anaerobic respiration. Write its chemical in

during photosynthesis. Draw its labeled diagram also.

25.

26.

27.

of Brassica.

bacteria and in animals.