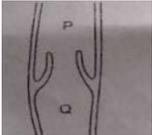
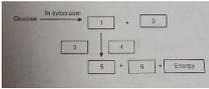
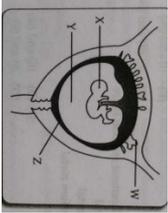
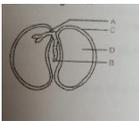
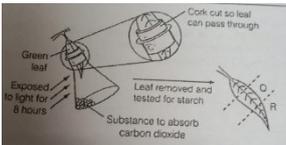


Biology full syllabus test of tenth std

1. What is difference between monoecius and bisexual plant? Give one example of hermaphrodite animal? 1+1
2. List hormones secreted from pituitary. Also write the full form of LH, FSH, IUCD, OC. 2+2
3. Why food web is better than food chain? 2
4. What is the cause of tropic movement? What type of movement is exhibited by tulip? 2+1
5. What is the unit of biosphere? Define niche. What will be the impact on ecosystems if bacteria, fungi are removed from the environment? 1+1+2
6. Name the parts of brain which control following activities
Blood pressure, riding bicycle, hearing, centre associated with hunger. 2
7. Plants absorb water from the soil. How does this water reach the tree top? 3
8. Draw reflex arc.2
9. How ozone layer is formed? What is its significance? Name some ODS. What is the significance of Montreal protocol and Kyoto protocol? 2+ 2+ 1+ 2
10.  identify the blood vessel. Also state the direction of blood? 2
11.  identify the figure. What is the significance of it? Is it functional to prevent AIDS? 3
12.  fill up the blanks.3
13. By a cross explain independent assortment. 3
14. Show the significance of law of segregation in case of human sex determination. Which type of sex determination is it? 2+1
15. What is DDT and how does it effect the environment? 2
16. What is eutrophication? 1
17.  what is the significance of Y and Z? 2

18. What happens in neuro muscular junction? 2
19. Is anther haploid or diploid? What is the number of endosperm if pollen grain has 11 chromosomes. 2
20. Define emulsification. 1
21. What is the simplest form of fats? 1
22. Name the muscle present in heart. 1
23. Why crocodiles have a four chambered heart? 2
24. What are different causes of variation? 2
25. Why decreasing number of tigers is a concern in point of genetics? 2
26. What is the adaptation of guard cell to open stomatal pore? 1
27. Give example of very long aquatic food chain. 2
28. Which genotype represent a true dihybrid condition?
TtRr, TTRR, TTRR, TrRR 1
29. What is the significance of spore formation? 2
30. Give two photosynthetic organisms. What is the role of Rhizobium bacteria? In which form plants absorb nitrogen? 1+1+1
31. Why plants can store nitrogenous waste products in their bodies? 2
32. State the consumer and trophic level while eating a) egg curry b) bread. Who are microconsumers? 2
33. When you are hearing something how can you interpret that? 2
34. What is 10% law? In the following food chain 20 J of energy was available to the hawks. How much would be present in plants? Why flow of energy is unidirectional?
Plants-rats-snakes-hawks 1+2
35.  identify the parts. Which hormone is responsible for this? During germination
which part will come out first? Which type of movement is this? What are two types of plant hormones? 5
36.  what is the colour of Q and R? which form of carbohydrate is translocated through phloem? 2

37. Give example of plant parasite and its host. 1
38. You are provided dry seeds, germinating seed, germinated seeds, boiled seed seeds. When you are having maximum amount of CO₂? And why? 2
39. Define photoperiodism. Name two events depending on it. 1=1
40. You have tall plant with white pea flower and dwarf plant with purple flower in your garden if you cross those then find the numbers of all variations if the total plants are 256. 2
41. Differentiate between a) fission in amoeba and fission of plasmodium
b) bud of hydra and bud of Bryophyllum. 2+2
42. Which hormone is responsible for cytokinesis? Which hormone is responsible for metabolism and metamorphosis. Why iodine is required for it? 3
43. Explain feedback mechanism in terms of insulin. 3
44. variation is important for a population not for an individual. 2
45. why oxytocin is called female hormone? 1
46. why male reproductive system is called urinogenital system? What is the function of seminal vesicle? 1+1
47. state why the people with single damaged kidney can't go dialysis. 1