

BOTANY - XI

(Note- All these questions are from work sheet Complete all given questions in the work sheet taking help of your text book. Do not leave any question unanswered.)

Unit cell biology

A . Very short questions

1. What are the components of endoplasmic reticulum?
2. What do you understand by RER?
3. Why is lysosomes called suicidal bag?
4. What is the main function of lysosomes?
5. Write down the function of ribosomes.
6. What are the two subunits of 80 's' ribosomes?
7. What is the function of sphaerosomes?
8. What is the function of peroxisomes?
9. Write one differences between microtubules and microfilaments.
10. What do you understand by heterochromatin?
11. What do you understand by chromatids?
12. What do you understand by primary constriction?
13. What do you understand by cell cycle?
14. What important changes occur in the S- phase of interphase?
15. Write important change in metaphase.
16. What are the sub stages of prophase I?
17. Define synapsis.
18. Define crossing over.
19. Define terminalization.

B. Short questions

1. Describe the structure and functions of endoplasmic reticulum.
2. Write down the functions of lysosomes.
3. Describe the structure and functions of nucleus.
4. Mentions the significances of mitosis.
5. Write down the difference between mitosis and meiosis.

C. Long questions

1. What is mitosis? Describe the process of mitosis cell division with necessary figures.
2. What is meiosis? Describe the process of meiosis I cell division with necessary figures.

Unit Bio -diversity

A. Very Short questions

1. Who discovered bacteria and who is the father of bacteriology?
2. Define vibrio.
3. What is peritrichous bacteria.
4. What makes the cell wall of bacteria?
5. Write down the functions of mesosome.
6. What do you understand by plasmid?
7. Which type of DNA is found in bacteria?
8. Name any two symbiotic bacteria.
9. Name any two human diseases caused by bacteria.
10. Name any two plant diseases caused by bacteria.
11. Name one bacterium and antibiotic produced by it.
12. Define heterocyst.
13. Define akinete.
14. Define methanogens.

B. Short questions

1. Write down the characters of king monera.
2. Describe the mode of nutrition of bacteria.
3. Differentiate between bacteria and cyanobacteria.
4. Write down the economic importance of cyanobacteria.

C. Long questions

1. Draw and describe the bacterial cell structure in detail.
2. Describe the economic importance (both useful and harmful aspects) of bacteria.