

FAKIR CHAND COLLEGE
INTERNAL EXAM 2021
SEMESTER- 2
ZOOLOGY HONOURS

Paper- CC-3 (Nonchordate II)

FM-10

Answer any Ten (10) : 10x1

1. Write the systematic position of *Antedon* sp.
2. What are Tiedemann's bodies?
3. Write the significance of water vascular system.
4. Name the larval form of Asteroidea.
5. Draw the larval form of Holothuroidea and name it.
6. State the difference between pseudocoelom and acoelom.
7. What are the organs made of mesoderm?
8. How are polychaetes different from oligochaetes?
9. What is metamerism?
10. What is the common name for Onychophorans?
11. State the difference between Book lungs and Book gills?
12. How will you differentiate between trachea and tracheoles?
13. What is detorsion?
14. What is Kiastoneury?
15. Why is Balanoglossus not considered a nonchordate?

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Paper- CC-4 (Cell Biology)

FM-10

Answer any Ten (10) : 10x1

1. What are oncogenes?
2. Why p53 called the guardian of genome?
3. What is the significance of nucleosome?
4. Write the name of the protein present in intermediate exoskeleton filament.
5. Write the names of histone octamers present in nucleosome structure.
6. Define - metastasis.
7. What is philadelphia chromosome?
8. Write two difference between apoptosis and necrosis.
9. What are desmosomes?
10. Why is Golgi apparatus associated with SER?
11. Why plasma membrane is known to be "quasi fluid" in nature?
12. Write one difference between peripheral and integral proteins.
13. What is the function of membrane proteins?
14. Write names of 4 lysosomal enzymes.
15. What is kinetochore?