

FAKIR CHAND COLLEGE
INTERNAL EXAM 2020/2021
SEM 3 ZOOLOGY HONOURS

Paper-CC5.Chordata

FM-10

Answer any Ten (10) : 10x1

1. What is retrogressive metamorphosis?
2. What is a microphagy filter feeder?
3. Why cyclostomes are considered as an agnatha?
4. Give example of an Agnatha.
5. How is catadromous and anadromous type of fish migration different?
6. Define ARO.
7. Why swim bladder is considered as hydrostatic organ?
8. What is echolocation?
9. Give one difference between poisonous and non poisonous snakes?
10. What is paedomorphosis?
11. Name two physiological requirements of bird migration?
12. Give one difference between proteroglyphodont and ophisthoglyphodont?
13. What is the basic difference between horns and antlers?
14. How is claw different from nails?
15. What is plumule?

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Paper-CC6. Animal Physiology: Controlling & Coordinating System
FM-10

Answer any Ten (10) : 10x1

1. What is pseudostratified epithelial tissue?
2. What type of ossification occurs in skull?
3. What is the function of osteoblast cells?
4. What is the type of cartilage found on ears?
5. What is a post-synaptic membrane?
6. What is hyperpolarisation?
7. Which ion helps in muscle contraction?
8. What is the function of interstitial cells of Leydig?
9. What is spontaneous ovulation?
10. What is the function of parafollicular cells of thyroid?
11. Which cells secrete glucagon?
12. Give two examples of mineralocorticoids.
13. What is a second messenger?
14. What is a neurotransmitter?
15. Name two placental hormones.

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Paper-CC7.Fundamentals of Biochemistry

FM-10

Answer any Ten (10) : 10x1

1. Give example of polysaccharide.
2. What are sphingolipids?
3. Define eicosanoid.
4. What is saturated fatty acid?
5. How do you differentiate a saturated fatty acid from unsaturated fatty acid?
6. What form of pentose is found in nucleic acid?
7. What is the monomer of nucleic acid?
8. What is the difference between alpha helix and beta sheet?
9. Write one glucogenic and one ketogenic amino acid.
10. What are allosteric enzymes?
11. What are isozymes?
12. Write the Michaelis-Menten equation.
13. What is the role of rotenone in ETC?
14. What are the complexes in ETC.
15. What is the role of ornithine in urea cycle.

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Paper-SECA2. Sericulture

FM-10

Answer any Ten (10) : 10x1

1. Write the names of exotic races of silkworm.
2. What are indigenous races of silkworm?
3. Write the names of proteins that are present in silk.
4. What is spinneret?
5. Define mulberry sericulture.
6. Give example of multivoltine races.
7. What is Chawki rearing?
8. What is the role of bleaching powder in rearing of silkworm?
9. Name different types of mountages.
10. What is harvesting of cocoons?
11. What is Uzi fly?
12. What is the causative agent of Pebrine?
13. How can fungal disease of silkworm prevented?
14. How can viral disease of silkworm controlled?
15. What is non-mulberry Sericulture?