QP Code: 04032 [Total Marks: 75

N.B.	<ul> <li>(1) All questions are compulsory.</li> <li>(2) All questions carry equal marks.</li> <li>(3) Draw neat labelled diagrams wherever necessary.</li> <li>(4) Questions should be answered in order.</li> </ul>	
1.	Describe the following: (a) External characters and economic importance of shark.  OR	7
	<ul><li>(a) Respiratory system of shark.</li><li>(b) Digestive system of shark.</li><li>OR</li></ul>	<b>8</b>
	(b) Male urinogenital system of shark.	8
2.	Explain the following: (a) Brain of Lizard.  OR	7
	(a) Lungs of mammal. (b) Urinogenital ducts.  OR	8
	(b) Metanephros.	8
3.	Describe the following: (a) Spermatogenesis in frog.  OR	7
	(a) Gastrulation in frog. (b) Morphogenic movements.  OR	5
	(b) Cell adhesion.	8
4.	Describe the following: (a) Histology of Kidney of mammals.  OR	7
	(a) Histology of stomach of mammals.  (b) Histology of liver of mammals.  OR	3
	(b) Histology of ovary of mammals.	8
5.	Write short notes on : (a) Systematic position of shark.  OR	4
	(a) Habit and habitat of shark. (b) Mesonephros.  OR	4
	<ul><li>(b) Gills of cartilagenous fish.</li><li>(c) Structure of sperm of frog.</li></ul>	4
	OR  (c) Differential cell affinity.  (d) Seminiferous tubule.	2
	OR (d) Serosa muscularis of intestine.	3

(2½ Hours)