

SET - C

QP.NO.	VALUE POINTS	SPLIT UP MARKS
1.	Ampullary-Isthmus Junction	1
2.	One species lays eggs in the nest of another bird, lets the host incubate them. E.g. Cuckoo lays eggs in the nest of a crow	1
3.	process of delivery of the foetus/ foetal ejection reflex.	2
4.	Enzymes activity and therefore metabolic activities ,Eurythermal,stenothermal	2
5.	a) hibernation - winter sleep / Aestivation- summer sleep b) ectotherms-COLD blooded endotherm- WARM blooded animals	2
6.	human male - XY ; human female- XX Male male produces two types of gametes i.e., X and Y / X carrying sperm fertilizes egg it is a female child/ Y carrying chromosome fertilizes egg cell it is male.	3
7.	i] Allen's rule states that those animals, e.g., mammals from colder climates generally have shorter ears and limbs to minimize heat loss." ii] A species, whose distribution is restricted to a small geographical area because of the presence of a competitively superior species, is found to expand its distributional range dramatically when the competing species is experimentally removed" iii] If two species compete for the same resource, they could avoid competition by choosing, for instance, different times for feeding or different foraging patterns. This is called resource partitioning"	3
8.	i] The Monarch butterfly is highly distasteful to its predator (bird) because of a special chemical present in its body. Interestingly, the butterfly acquires this chemical during its caterpillar stage by feeding on a poisonous weed." ii] Kangaroo rat is capable of meeting its entire water requirement through its internal fat oxidation in which water is a by-product. It has the ability to concentrate urine" iii] Smaller animals tend to lose more body heat due to large surface area relative to their volume. Therefore, they have to spend more energy to generate body heat"	3
9.	If the age distribution (per cent individuals of a given age or age group) is plotted for the population, the resulting structure is called an age pyramid expanding/stable/ declining expanding	3