

## 343\_Biological techniques\_2013pattern

Item Text	Option Text 1	Option Text 2	Option Text 3	Option Text 4
Union of male and female pronuclei is called .....	amphimixis	Capacitation	Organogenesis	fusion
.....of sperm secretes lysine	Nucleus	Acrosome	Middle piece	Tail
The lysine secreted by the acrosome helps in the .....of sperm	activation	Penetration	clumping	activation
The fusion of cortical granules with inner surface of vitelline membrane, forms the.....	plasma membrane	fertilization membrane	shell membrane	cytoplasmic membrane
Fertilization cone is formed during the .....	meeting of the gametes	polyspermy prevention	activation of the egg	amphimixis
Which causes the attraction of sperms over the egg surface .....	fertilizin	Luciferin	Antifertilizin	zymogen
The gynogamones are secreted by	sperm	egg	vitelline membrane	plasma membrane
The androgamones are secreted by	vitelline membrane	plasma membrane	Sperm	ovary
During fertilization, polyspermy is prevented by .....	fertilizin	antifertilizin	Spermlysin	fertilization membrane
Which of the following show the external fertilization .....	Fishes	Reptiles	Birds	Mammals
The function of fertilization membrane is to .....	protect the egg	prevent the entry of other sperm into ovum	attract the sperm	secrete fertilizin
The lytic enzymes called hyaluronidase is found in the .....	egg	egg cytoplasm	Sperm tail	sperm head
External fertilization is common in .....animals	terrestrial animals	aquatic animals	aerial animals	burrowing
Internal fertilization is common in ..... animals	terrestrial	aquatic	burrowing	aerial

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Fertilizin molecules causes the attraction of sperms during fertilization, called .....	rheotaxis	Thigmotaxis	Chemotaxis	phototaxis
Fertilization cone is formed from the .....	sperm cytoplasm	egg cytoplasm	sperm nucleus	egg nucleus
The enzymes secreted by the sperm to penetrate the egg membrane is .....	exopeptidase		succinic dehydrogenase	hyaluronidase
Acrosome reaction in sperm is triggered by .....	release of fertilizin	release of lysin	capacitation	influx of Na <sup>+</sup> in sperm
Cortical reaction of egg during fertilization is necessary to .....	allow polyspermy and harden the egg membranes	solubilize the egg membrane	inhibit polyspermy and harden the egg membrane	inhibit polyspermy and solubilize the egg membrane
Capacitation occurs in .....	oviduct	ovary	Vas deferens	epididymes
The main aim of fertilization is to achieve ..... number of chromosomes	4N	2N	2N	3N