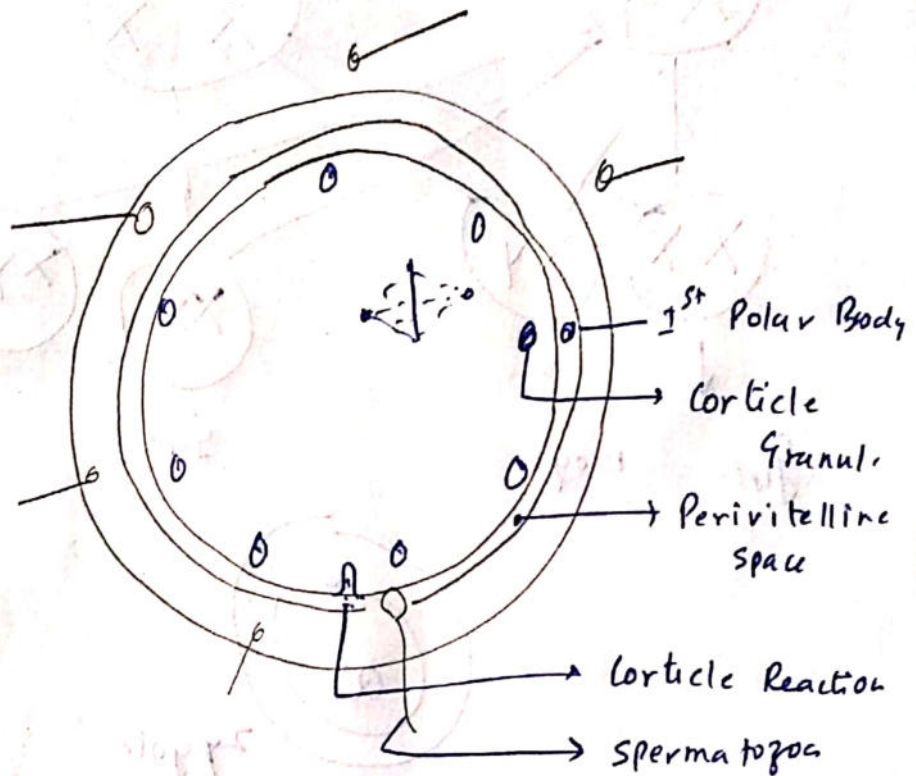


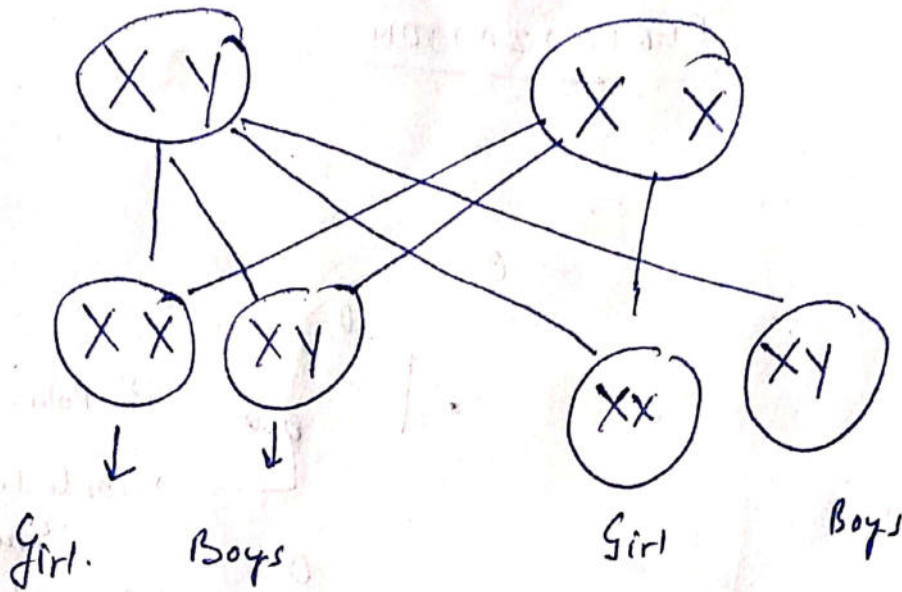
FERTILIZATION.



Fertilization. -

- ① It's is fusion of haploid gametes; egg and sperm, to form diploid zygote
- ② It's the union of a sperm nucleus, of Paternal origin with an egg nucleus, of maternal origin to form primary nucleus of an embryo
- ③ Essence of fertilization is fusion of hereditary material of two different sex or gametes, each carry half the ~~her~~ number of chromosome.

(2)

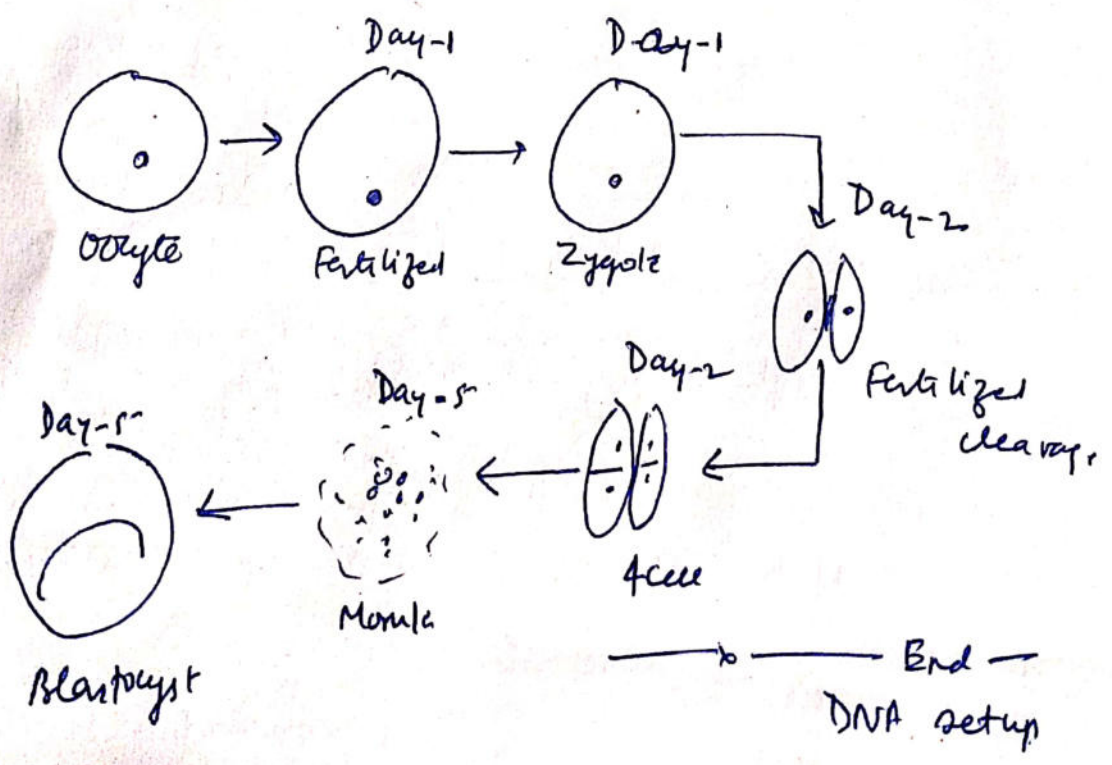
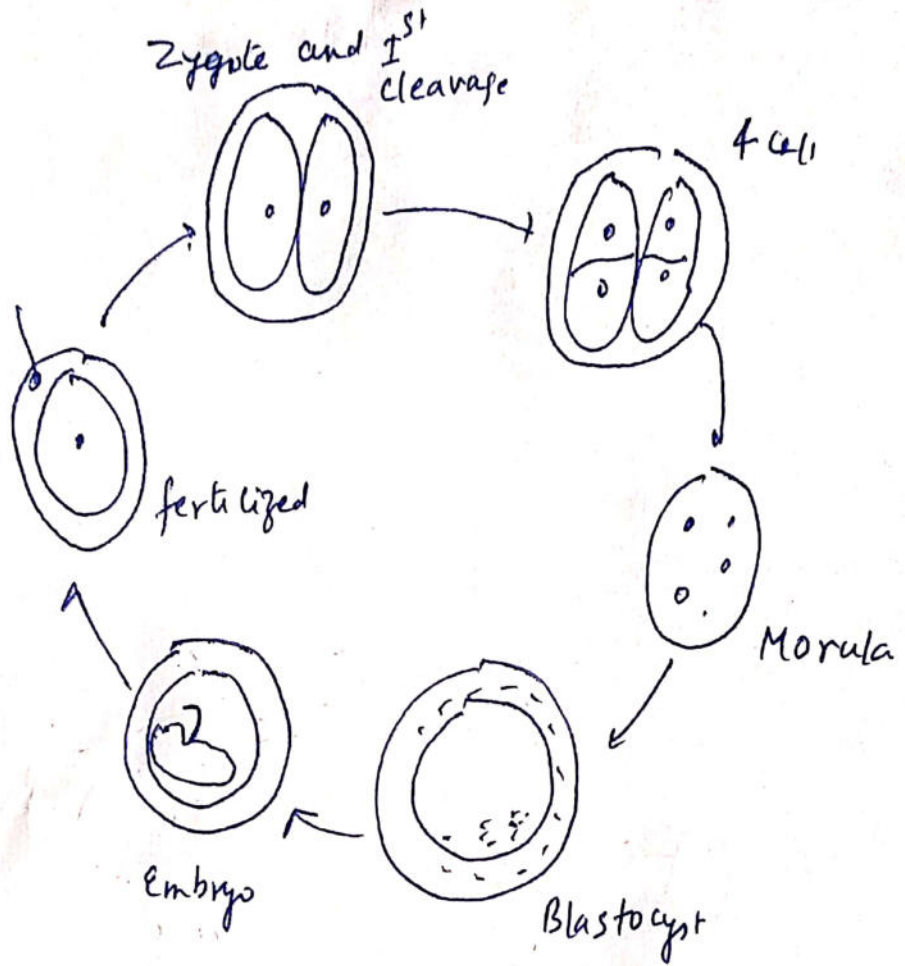


- o Fusion of the memb<sup>h</sup> of 2 gametes
- o Male gametes strike - egg
- o cell-division - occur

o Steps :- 8 (Eight)

- ① Sperm - Capacitation
- ② Sperm - Zona Pellucida Binding
- ③ The Acrosome Rk<sup>s</sup>
- ④ Penetration of - Zona Pellucida
- ⑤ Sperm Oocyte - Binding
- ⑥ Egg Activation & the Cortical Rk<sup>s</sup>
- ⑦ Zona Rk<sup>s</sup>
- ⑧ Post Fertiliz<sup>n</sup> Event

(3)



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B.Sc.

ZOOLOGY (HONOURS) -

PART - III

PAPER - VI

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