



St. Mary's Convent School Gulaothi, U.P. (2026 – 27)
Set - B

Test PAPER
Class 12
BIOLOGY

T.sign 
Time: 45 min.
Max Marks:20

NAME:-

Write name in
capital letter

P A L A K

ROLL NO:-

1 2

General instructions

- 1.All question are compulsory.
- 2.Write neatly and clearly in given space.
- 3.Do not cut or fill the circle given on upper and bottom of paper.
- 4.Write the answer of each question in the space provided

Write the option in capital letters only)

Section A : Write down the correct option for the given questions.

ANS 1: ✓ 0.5 /0.5

ANS 2: ✓ 0.5 /0.5

ANS 3: ✓ 0.5 /0.5

ANS 4: ✗ 0.0 /0.5

Section B Very Short Answer (2 × 1 = 2 marks)

ANS 5: 1.0 ✓

The process of transferring the pollen grains from anther (male part) to the stigma (female part) is called as pollination in flowering plants.

ANS 6:

1.0 ✓

After the Graafian follicle releases secondary oocyte by the rupture, then the ruptured left body is called corpus luteum. corpus luteum secretes high amount of Progesterone hormone which is helpful for pregnancy.

ANS 7:

Mentions formation; misses endosperm's role as storage (starch, proteins, oils)

1.0

When the male gamete fuses with two polar nuclei, ~~the~~ it results in formation of Primary Endospermic Development also called triple fusion. It is formed before for the development and to provide nutrition and food to growing embryos.

Marks	
Teacher's feedback	

Page total: 2.0 von 3.0

ANS 8:

2.0

<u>Self Pollination</u>	<u>Cross - Pollination</u>
1). Self-Pollination occurs in the flowers which have both male and female part by transferring of pollen grains of same flower.	1). Cross Pollination occurs in the flowers which are unisexual by transferring of pollen grains from anther to stigma of different flower.
2). Quality and breeding of fls by self-pollination is less.	2). Quality and breeding by cross-pollination is sun good.

Marks	
Teacher's feedback	

ANS 9:

Missing: provides nutrients for motility and protects sperm in tract.

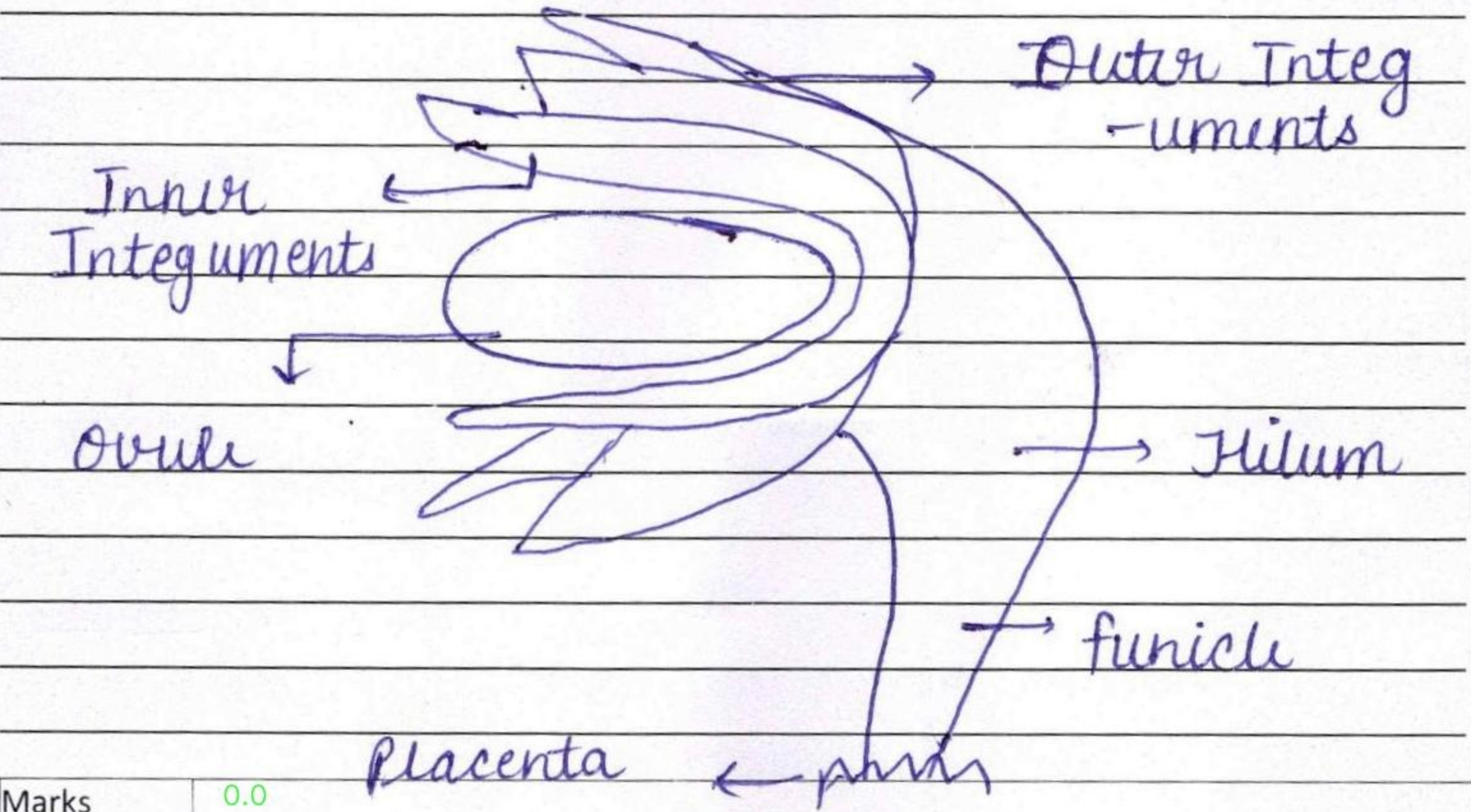
1.0

in Human Reproduction, the seminal Plasma is secreted by three glands → seminal vesicle, Prostate gland and in little amount by Cowper's gland.

the seminal plasma is a yellowish fluid like substance which is used as a lubricant and helps in the process of fertilization in insemination.

Marks	
Teacher's feedback	

ANS 10:



Marks	0.0
Teacher's feedback	/2}{Detected text (corrected): Outer integuments; Inner integuments; Ovule; Hilum; Funicle; Placenta. This is an ovule diagram, not a Polygonum-type embryo sac. You drew an ovule with integuments, hilum, funicle. Required Polygonum embryo sac showing egg apparatus, polar nuclei, antipodals and synergids.}

ANS 11:

Did not mention placental hormones maintaining pregnancy like hCG, estrogen.

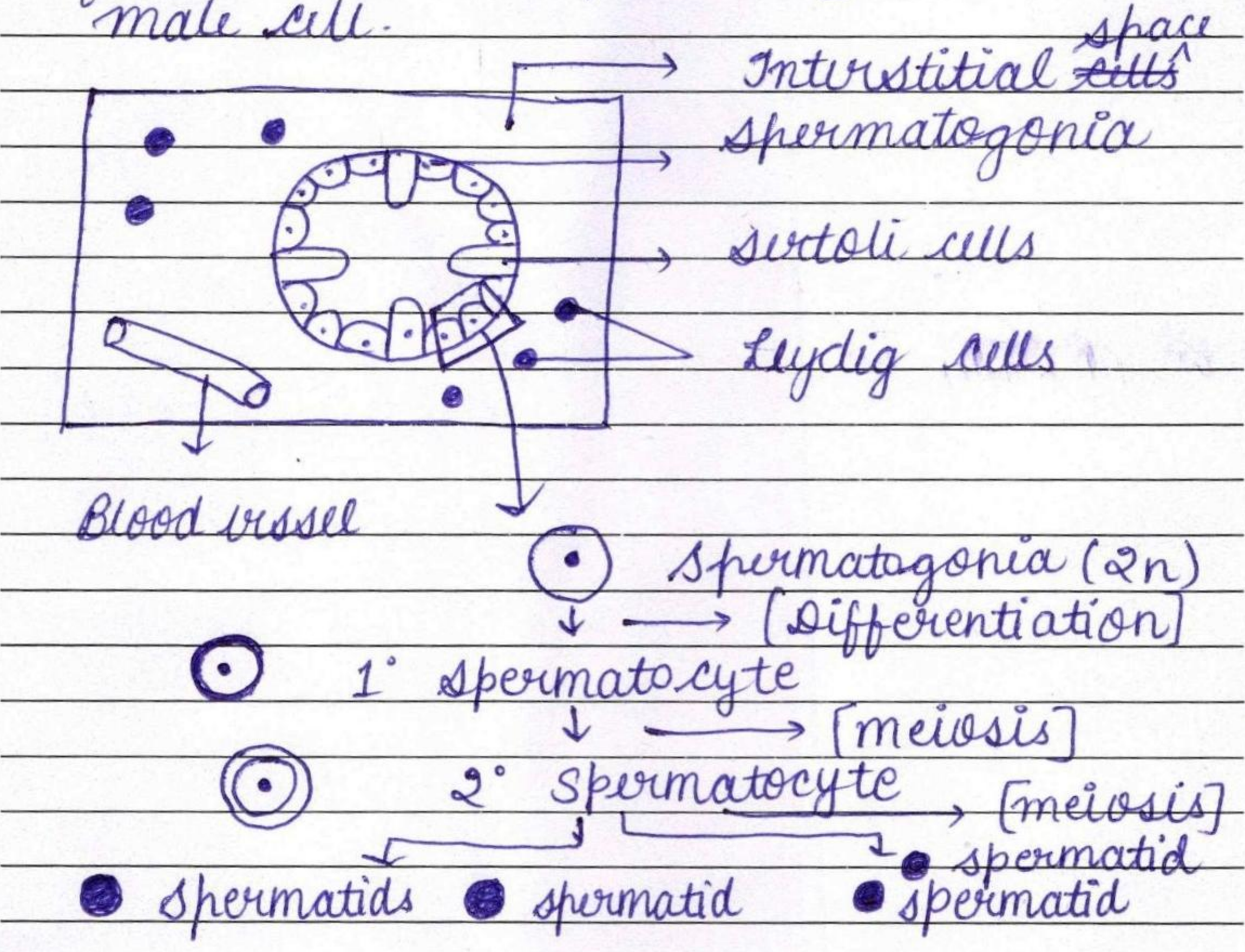
1.0

During the time of gestation period or pregnancy, the placenta is attached to the foetus and helps in providing food and nutrition to foetus from mother's womb and it also excrete out waste materials to the mother's womb. and helps to take oxygen and releasing CO₂ outside.

Marks	
Teacher's feedback	

ANS 12:

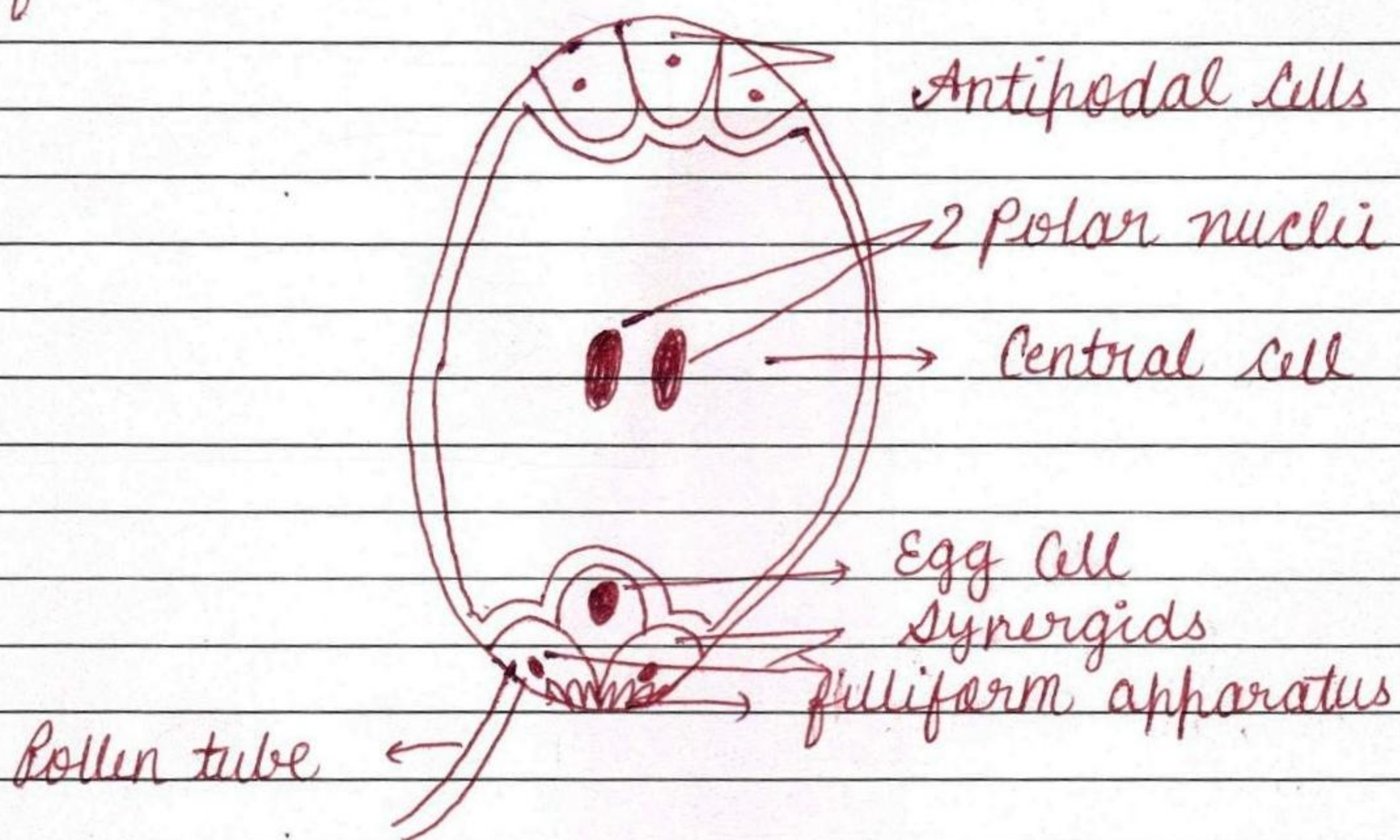
In the spermatogenesis, the spermatogonia cell undergoes mitotic division and multiply itself to form diploid spermatogonia, then the diploid spermatogonia undergoes differentiation and changes to 1° spermatocyte (2n), now, this 1° spermatocytes changes into two 2° spermatocytes by meiosis, then at last on meiosis these 2° spermatocytes forms 4 daughter spermatids, which in future becomes spermatozoa, the male cell.



Marks	3.0
Teacher's feedback	

ANS 13:

In flowering plants, the male gametes through pollen tube goes into synergids and reach the egg cell through filiform apparatus and pollen tube, then the gamete (male) fused with egg cell and fertilisation takes place also called Syngamy, one male gamete reach and fused with two central polar nuclei and Primary Endospermic development takes place. This phenomenon of two fertilisation is together called Double fertilisation.



Marks	3.0
Teacher's feedback	

14.5/20.0

Usha Rani 07:55, 25.08.2026