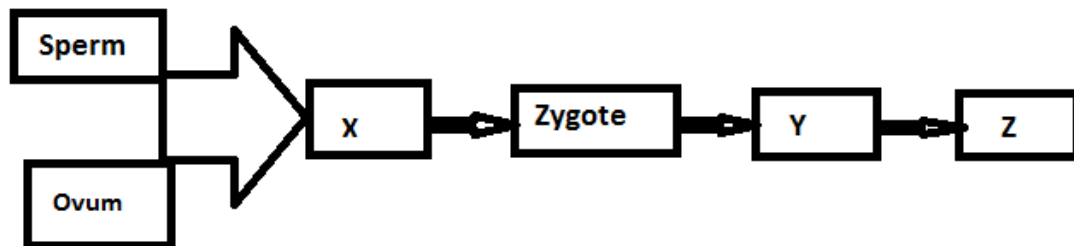


DELHI PUBLIC SCHOOL, MIYAPUR

Biology

Given below is the flowchart of the different stages of development of a baby.

Answer questions 17 – 20 based on the flowchart.



17. Which one of the following is a single celled uninucleated reproductive structure produced by germ cells?

- ☒ (a). Zygote
- ☐ (b). Embryo
- ☐ (c). Sperm
- ☐ (d). Foetus

Clear selection

18. The process labelled as X in the flowchart is _____.

- ☐ (a). Sterilisation
- ☐ (b). Metamorphosis
- ☐ (c). Reproduction
- ☒ (d). Fertilisation

Clear selection

19. Z and Y in the flowchart represent _____ and _____ respectively.

i. Foetus

ii. Egg

iii. Embryo

iv. Progeny

- ☒ (a). i and iii
- ☐ (b). iv and ii
- ☐ (c). iii and i
- ☐ (d).iv and iii

Clear selection

20. The statement that explains the difference between sperm, ovum and zygote is _____.

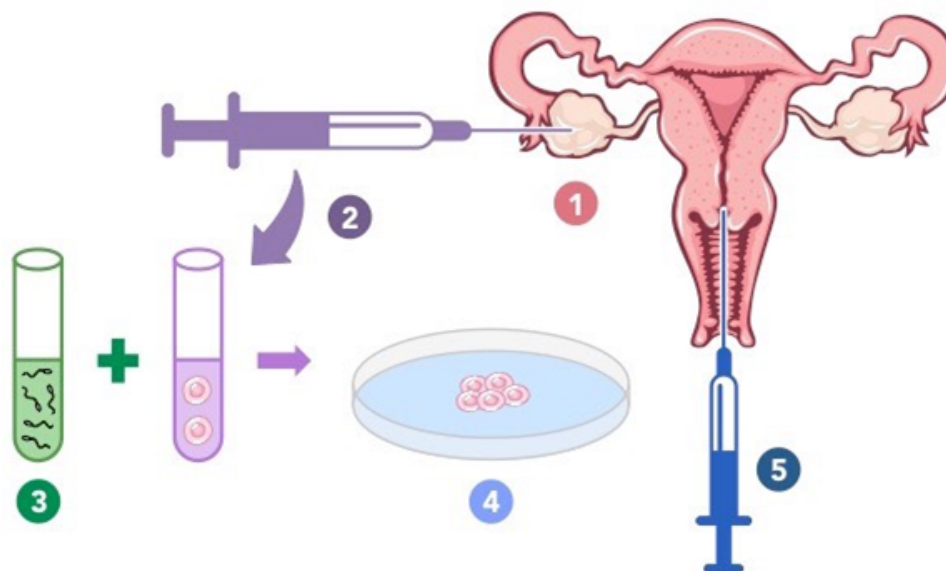
- i. Ovum and sperm have 23 pairs of chromosomes each
- ii. Zygote has 23 chromosomes
- iii. Ovum and sperm have 23 chromosomes each
- iv. Zygote has 23 pairs of chromosomes

- ☐ (a). Only i
- ☐ (b). Only iii
- ☐ (c). Both i and ii
- ☒ (d). Both iii and iv

Clear selection



21. The procedure shown below in the image represents _____.



- ☐ (a). Implantation
- ☐ (b). Internal Fertilization
- ☐ (c). External Fertilisation
- ☒ (d). In-vitro Fertilisation

Clear selection

22. Identify the viviparous animal amongst the following:

(a).



(b).



(c).



(d).



- ☐ a) Option a
- ☒ b) Option b
- ☐ c) Option c
- ☐ d) Option d

Clear selection

Q23. Match the terms in column 'M' with the appropriate definitions in column 'N'.

Column 'M'	Column 'N'
A. Gestation	p. Embryo divides to form different cells which then perform specialised functions.
B. Incubation	q. When the ovum does not get fertilised, it is released out of the uterus along with blood.
C. Menstruation	r. Duration between pregnancy and birth.
D. Cell Maturation	s. Development of the embryo within the egg under favourable environmental conditions.

- ☐ (a). A-q , B-r , C-s, D-p
- ☐ (b).A-s , B-r , C-p, D-q
- ☒ (c).A-r , B-s , C-q , D-p
- ☐ (d).A-r , B-s, C-p , D-q

Clear selection

24. A mother has given birth to a female child. What are the sex chromosomes given by both the mother and father respectively?

- ☒ (a). XX
- ☐ (b). XY
- ☐ (c). YX
- ☐ (d).YY

Clear selection

25. Assertion: Clones are a group of organisms produced by a single parent through asexual means.

Reason: Clones exhibit high genetic variations.

- ☐ (a). Both assertion and reason are true and reason is the correct explanation for the assertion.
- ☐ (b). Both assertion and reason are true and reason is not the correct explanation for the assertion.
- ☒ (c). Assertion is true but reason is false.
- ☐ (d). Both assertion and reason are false.

Clear selection

Back

Submit

Never submit passwords through Google Forms.

This form was created inside of Delhi Public School. [Report Abuse](#)

Google Forms

