



12th Science : Biology
Reproduction in Lower and Higher Animals,

DATE:

TIME: 1 hour

MARKS: 25

SEAT NO:

--	--	--	--	--	--

Note:-

1. All Questions are compulsory.
2. Numbers on the right indicate full marks.

Section A

Q.1 Select and write the correct answer.

(4)

1. Place the following in the correct order in which the passage of the sperm would occur from where it is produced to the outside.
1. vas deferens 2. rete testis 3. seminiferous tubules 4. epididymis 5. urethra 6. straight tubules
A) 3 - 4 - 6 - 2 - 1 - 5 B) 2 - 4 - 6 - 1 - 3 - 5
C) 3 - 6 - 2 - 4 - 1 - 5 D) 3 - 6 - 2 - 4 - 5 - 1
2. The prenatal technique to determine the genetic disorders in a foetus is called _____.
A) laproscopy B) amniocentesis
C) abstinence D) coitus interrupts
3. Test tube baby technique is called _____.
A) In vivo fertilization B) In situ fertilization
C) In vitro fertilization D) Artificial insemination
4. The number of nuclei present in a zygote is _____.
A) two B) one
C) four D) eight

Q.2 Answer the following.

(3)

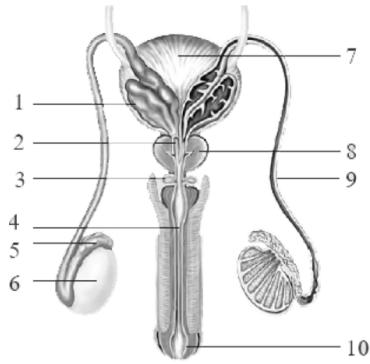
1. Define: Asexual reproduction
2. Define: Morula
3. What is health?

Section B
Attempt any Four

- Q.3 Write a note on: Sperm bank **(2)**
- Q.4 Write a short note on semen. **(2)**
- Q.5 What is artificial insemination? How is it achieved? **(2)**

Q.6 Label the given male reproductive system you have studied.

(2)



Q.7 Explain the term surrogacy.

(2)

Q.8 What is meroblastic cleavage? In which organisms, is it observed?

(2)

Section C
Attempt any Two

Q.9 Give the significance of fertilization.

(3)

Q.10 Write a note on: Fate of the three germinal layers

(3)

Q.11 Explain the external genitalia of men in detail.

(3)

Section D
Attempt any One

Q.12 Explain the entire process of pregnancy period in humans.

(4)

Q.13 Describe the changes occurring during gastrulation.

(4)