

Q1, why do intensely lactating mothers not generally conceive?

Due to suppression of gonadotropins, ovulation and menstrual cycle do not take place.

2. How can pregnancy due to unprotected sex be prevented?

Progestogen - estrogen combination and IUDs administered within 72 hours of intercourse can be prevent pregnancy.

3. At what stage zygote can be introduced in the fallopian tube is Zygote Intra Fallopian Transfer (ZIFT).

4. A woman's husband is infertile, so the lady has decided to have baby by taking sperm from sperm bank, which technique will you suggest for her pregnancy.

Intra cytoplasmic sperm injection (ICSI)

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**Q. 5.** A doctor has observed the chromosomal disorders in developing foetus and advised the couple to undergo abortion. Suggest the technique by which doctor absorbed the chromosomal disorders.

**Ans.** Amniocentesis

**Q. 6.** A newly married couple does not want to produce children at least for one year and also not to use any contraceptives. Suggest a method to prevent pregnancy.

**Ans.** Periodic abstinence or coitus interruptus

**Q. 7.** Reproductive health refers only to healthy reproductive functions. Comment. [NCERT Exemplar]

**Ans.** Reproductive health refers to the total well-being in all aspects of reproduction, i.e., physical, behavioural, psychological and social.

**Q. 8.** The present population growth rate in India is alarming. Suggest ways to check it.

[NCERT Exemplar]

**Ans.** (i) By increasing marriageable age.

(ii) By promoting use of birth control measure.

(iii) By educating people about consequences of uncontrolled population growth.

**Q. 9.** Bring out one main difference between CuT and LNG-20.

**Ans.** CuT is copper releasing IUDs and LNG-20 is hormone releasing IUDs. Cu ions released suppress sperm motility and thus the fertilising capacity of sperms. While the hormone releasing IUDs make the uterus unsuitable for implantation and the cervix hostile to the sperms.

**Q. 10.** What technique would you suggest for correcting infertility caused due to very low sperm counts of a male partner?

**Ans.** Artificial insemination.

**Q. 11. Why is tubectomy considered a contraceptive method?**

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**Ans.** Tubectomy involves cutting a piece of the fallopian tube and tying its ends. This way, the sperms are not able to reach the egg and it acts as a contraceptive method.

**Q. 12. In case of an infertile couple, the male partner can inseminate normally but the mobility of sperms is below 40 per cent. Judge, which kind of ART is suited in this situation to form an embryo in the laboratory, without involving a donor?**

[CBSE Sample Paper]

**Ans.** Intra Cytoplasmic Sperm Injection.