

# ETERNAL CAREER CLASSES

SUBJECT : BIOLOGY

CLASS : XII

FULL MARKS : 20

NAME : .....

BOARD TEST : 07

DATE : 11.12.2024

## SECTION - A

**Single answer type question. Attempt any seven question :-**

**Marks :  $1 \times 7 = 7$**

- Which of the following match pair is correct ?
  - 1951 – Initiation of family planning programmes
  - 1992 – 350 million population in India
  - 2020 – Initiation of RCH programmes
  - 2000 – Growth rate decreased by 2%
- Saheli, an oral contraceptive for females was developed at
  - Indian Institute of Science, Bangalore
  - All India Institute of Medical Science, New Delhi
  - Centre for Cellular and Molecular Biology, Hyderabad
  - Central Drug Research Institute, Lucknow
- Human population on earth is continuously rising . which of the following factor does not contribute to the rapid rise in human population ?
  - Increase in number of people in reproductive age
  - Decrease in Infant Mortality Rate (IMR)
  - Increase in Maternal Mortality Rate
  - Decrease in the death rate
- The termination of pregnancies that has lasted more than 12 weeks, but fewer than 24 week is allowed
  - If the mother do not want to continue pregnancy
  - If continuation of the pregnancy would involve a risk to the life of the pregnant women
  - If the couple already have three children
  - If the sex of the foetus is found to be female by amniocentesis
- Among malaria, cancer, syphilis, trichomoniasis, gonorrhoea and jaundice, which of the following are sexually transmitted disease ?
  - Cancer, syphilis and malaria
  - Gonorrhoea, jaundice and syphilis
  - Trichomoniasis, syphilis and gonorrhoea
  - Cancer, syphilis and trichomoniasis
- The condition in which embryo with eight blastomeres is transferred into the Fallopian tube is called
  - Embryo intra Fallopian transfer
  - Zygote intra Fallopian transfer
  - Embryo intra uterine transfer
  - Zygote intra uterine transfer
- Which of the following statement is correct regarding the misuse of amniocentesis ?
  - it is used to study the metabolic defect in foetus.
  - This technique is developed for detecting foetal abnormalities by chromosome analysis.
  - it is done to examine the sex of the foetus, leading to female foeticide .
  - This produce is used to test the presence of certain genetic disorders like haemophilia .
- Which of the following statement is correct regarding ‘Saheli’ ?
  - It is an intra uterine device, which increase the phagocytosis of sperms within the uterus
  - it is an oral contraception, which alter the quality of cervical mucus to prevent the entry of sperms.
  - it is an intra uterine device, which inhibit ovulation and implantation .

- (d) it is an oral contraceptive, which suppress the fertilising capacity of sperm and also suppress sperm motility
9. Which one of the following is an example of hormone releasing IUD ?  
(a) Cu – T      (b) LNG – 20  
(c) Cu – 7      (d) Multiload – 375
10. A childless couple can be assisted to have a child through a technique called GIFT. The full form of this technique is  
(a) Gamete Inseminated Fallopian Transfer  
(b) Gamete Intra Fallopian Transfer  
(c) Gamete Internal Fertilisation and Transfer  
(d) Germ Cell Internal Fallopian Transfer

**SECTION - B**

**Short answer type question. Attempt any one question :-**

**Marks :  $1 \times 3 = 3$**

11. Name and briefly explain any two methods of birth control.  
12. What are the legal and ethical concerns related to amniocentesis?

**Long answer type question. Attempt any two question :-**

**Marks :  $2 \times 5 = 10$**

13. Discuss the importance of reproductive health and the measures to achieve it.  
14. Describe the various Assisted Reproductive Technologies (ART).  
15. Explain the causes, effects, and measures to control overpopulation.

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