

DPP

DAILY PRACTICE PROBLEMS

Class : XIIth
Date :

Solutions

Subject : BIOLOGY
DPP No. : 5

Topic :- Reproductive Health

2 (a)

Tetanus is caused by *Clostridium tetani*. It is an anaerobic bacteria. It invades the nervous tissue.

National Immunization Schedules

Age	Vaccine	Optional Vaccines
Birth	BCG (<i>Bacillus calmette Guerin</i>)	6 weeks Haemophilus
6 weeks	Oral Polio Vaccine 1st Dose Hepatitis-B Vaccine 1st Dose DPT 1st Dose Oral Polio Vaccine 2nd Dose Hepatitis-B Vaccine 2nd Dose	10 weeks influenza Type B 14 weeks 2 years hepatitis-A vaccine Two doses 6 months A part
10 weeks	DPT 2nd Dose Oral Polio Vaccine 3rd Dose	2 years typhoid vaccine other 1 year chickenpox
14 weeks	DPT 3rd Dose Oral Polio Vaccine 4th Dose	
6-9 months	Oral Polio Vaccine 5th Dose Hepatitis-B Vaccine 3rd Dose	
9 months	Measles Vaccine	
15-18 months	MMR (Measles, Mumps, Rubella) DPT 1st Booster Dose Oral Polio	

	Vaccine 6th Dose	
5 years	DPT 2nd Booster Dose Oral Polio Vaccine 7th Dose	
10 years	TT (Tetanus) 3rd Booster Dose Hepatitis-B Vaccine Booster Dose	
15-16 years	TT (Tetanus) 4th Booster Dose	

3 **(a)**
Oral contraceptive pills increases the risk of intravascular clotting. Therefore, they are not recommended for women with a history of disorders of blood clotting. Administration of oral contraceptives and IUD are effective in 72 hours

4 **(d)**
Suppresses sperm motility.
Intra Uterine Devices (IUDs) for contraception
(i) These devices are inserted by the doctors into the uterus through vagina.
(ii) *There are three types of IUDs*
Non-medicated IUDs They increases the phagocytosis of the sperm within the uterus, *e.g.*, Lippes loop
Copper Releasing IUDs Along with phagocytosis of the sperms, the copper ions released, suppresses the sperm motility and the fertilizing capacity of the sperm. *e.g.*, Cu-T, Cu-7, multiload-375
Hormone Releasing IUDs They makes the uterus unsuitable for implantation and the cervix hostile to the sperms, *e.g.*, progestasert, LNG-20

5 **(d)**
Except HIV infection. Hepatitis-B and genital herpes all other STDs are completely curable if detected early and treated properly

6 **(a)**
A-Ovulation; B-Mucous

7 **(a)**
This method is only moderately effective because the time of ejaculation is very pleasant, specially for males. Some sperms may pass into the vagina before ejaculation.

Natural method of contraceptive are the natural ways to prevent fertilisation. These methods are

(i) **Periodic Abstinence**

Couple avoid coitus or intercourse from day 10 to 17 of the menstrual cycle when ovulation is expected to occur

(ii) **Coitus interruption or withdrawal method**

Withdrawl of penis from the vagina just before ejaculation so as to avoid insemination

(iii) **Lactational Amenorrhoea** (Absence of menstruation) This method is based on the fact that ovulation and therefore the cycle don't occur during the period of intense following parturition. Therefore, as long as the mother breast feeds the child, chances of conception are almost nil

8 (c)

NACO (National AIDS Control Organisation) was established in 1992 in India

12 (b)

The countries with largest population are six.

Country - Human population

China - 1341000000

India - 1210000000

USA - 311075000

Indonasia - 237556363

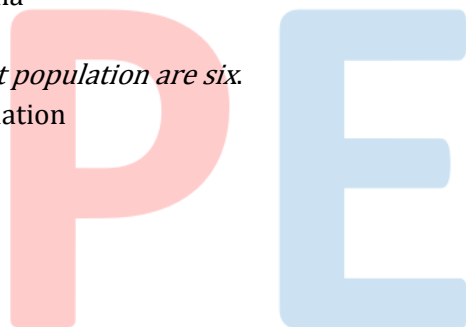
Brazil - 190732694

16 (b)

India is amongst the first countries in the world to initiate action plans and programmes at a national level to attain total reproductive health as a social goal. These programme called 'family planning' were initiated in 1951 and were periodically assessed over the past decades.

Improved programmes covering wider reproduction related areas are currently in operation under the popular name 'Reproductive and Child Healthcare (RCH) programmes' creating awareness among people about various reproduction related aspects and providing facilities and support for building up a reproductively healthy society are the major tasks under these programmes

17 (a)



Withdrawal of penis before ejaculation. Also
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18 (b)

Significance of MTP

(i) It helps in getting rid of unwanted pregnancies and such pregnancies, which may be harmful or even fatal either to the mother or to the foetus or both

(ii) MTP plays a significant role in decreasing the human population

Drawback of MTP

(i) It is being misused to abort even the normal female foetuses

(ii) Majority of MTPs are performed illegally by unqualified quacks which may be fatal

(iii) It has raised many emotional, ethical, religious and social issues

19 (d)

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ANSWER-KEY										
Q.	1	2	3	4	5	6	7	8	9	10
A.	C	A	A	D	D	A	A	C	A	B
Q.	11	12	13	14	15	16	17	18	19	20
A.	A	B	D	C	B	B	A	B	D	C

PE