

Class: X  
Subject: Biology  
Topic: How Do Organism Reproduce  
No. of Questions: 20  
Duration: 60 Min  
Maximum Marks: 60

**1 Which of the following can reproduce by budding?**

- A. Bryophyllum
- B. Ginger
- C. Hydra**
- D. All of the above

**Ans. C** Bryophyllum reproduces vegetatively by leaf bud and ginger reproduces by eye (buds).

**2 Male reproductive organs in flowering plant is**

- A. Carpel
- B. Stamen**
- C. Corolla
- D. Ovary

**Ans. B)** Carpel is the part of pistil. Corolla are all the petals of a flower. Ovary is a part of carpel.

**3 A fertilized ovule develops into a \_\_\_\_\_ in an angiosperm plant**

- A. seed**
- B. fruit
- C. flower
- D. cotyledon

**Ans. A** Fertilized ovule develops into seed and ovary develops into fruit.

**4 Where are sperms formed in the human body?**

- A. Vas deferens
- B. Prostate gland
- C. Ovary
- D. Testis**

**Ans. D** The testis form part of the male reproductive system, and is the gland where sperm and testosterone are produced.

**5 The place where fertilization takes place in the human body is**

- A. Uterus
- B. Oviduct**
- C. Ovary
- D. vagina

**Ans. B** Uterus is the site of implantation of zygote. Ovary produces egg (female gamete). Vagina receives the sperms.

**6 Pre- natal sex determinations have been prohibited by law due to**

- A. High cost charged by doctors
- B. Possible danger of mother's health
- C. Increasing cases of female feticide**
- D. Increasing cases of male feticide

**Ans. C** People use pre-natal sex determination technique to know the sex of their child whether it's a male or female.

**7 Copper T and Loops are**

- A. Contraceptive devices**
- B. Conventional devices
- C. Conducive devices
- D. Contaminating devices

**Ans. A** An intrauterine device (IUD) is a small contraceptive device that is inserted into the uterus (womb) to prevent a pregnancy. The two types available are the copper IUD and the hormonal IUD.

**8 An unisexual flower**

- A. Do not have carpel
- B. Do not have stamen
- C. Has either carpel or stamen**
- D. Has either petal or sepal

**Ans. C** Carpel is the female reproductive organ and stamen is male reproductive organ and unisexual flower has either.

9 \_\_\_\_\_ is a common tube for urine and sperm in human male.

- A. Urethra
- B. Uterus
- C. Ureter
- D. None of the above

Ans. A fact

10 Eggs starts developing in human female

- A. When she attains puberty
- B. Only after her birth
- C. After the first menstruation
- D. **When she is in her mother's womb**

Ans. D fact

11 The embryo gets nutrition from the mother's blood with the help of a special tissue called

- A. Uterus
- B. **Placenta**
- C. Umbilical cord
- D. None of these

**Ans. B** The placenta (also known as afterbirth) is an organ that connects the developing fetus to the uterine wall to allow nutrient uptake, waste elimination, and gas exchange via the mother's blood supply, fight against internal infection and produce hormones to support pregnancy.

12 Which of the following is not a part of female reproductive system of human beings?

- A. Ovary
- B. Uterus
- C. **Vas deferens**
- D. Fallopian tube

**Ans. C** Vas deferens is a part of male reproductive system.

13 Plants that have lost the capacity to produce seeds reproduce by

- A. Spores
- B. **Vegetative propagation**

- C. Fission
- D. Regeneration

**Ans. B** In vegetative propagation plants can be propagated by roots, stems and leaves.

**14 The testes perform the following function/functions**

- A. Produce testosterone
- B. Produce sperms
- C. Produce male gametes and hormones**
- D. Produce sperms and urine

**Ans. C** fact

**15 Condom is the method of control that falls under the following category**

- A. Surgical method
- B. Hormonal method
- C. Mechanical method**
- D. Chemical method

**Ans. C** Mechanical method of contraception is a third group of contraceptives that works on the principle of barriers these are male and female condoms, cervical cap, diaphragm and spermicide support.

**16 In sperm mitochondria occurs**

- A. In acrosome
- B. In tail
- C. In head
- D. In middle piece**

**Ans. D** The mammalian sperm cell consists of a head, a midpiece and a tail. The head contains the nucleus with densely coiled chromatin fibres, surrounded anteriorly by an acrosome, which contains enzymes used for penetrating the female egg. The midpiece has a central filamentous core with many mitochondria spiralled around it, used for ATP production for the journey through the female cervix, uterus and uterine tubes.

**17 Chlamydiosis is related with**

- A. Syphilis
- B. Urethra**
- C. Gonorrhoea
- D. HIV

**Ans. B** Chlamydia is a sexually transmitted disease (STD) caused by the bacteria *Chlamydia trachomatis*. When transmitted through sexual contact, the bacteria can infect the urinary and reproductive organs.

**18 Mature sperms are stored in**

- A. Epididymis**
- B. Vas deferens
- C. Seminiferous tubules
- D. Seminal vesicle

**Ans. A** The ductus deferens, also known as the vas deferens, is a muscular tube that carries sperm superiorly from the epididymis into the abdominal cavity to the ejaculatory duct. The seminal vesicles are a pair of lumpy exocrine glands that store and produce some of the liquid portion of semen.

**19 In general a fruit is**

- A. a thickened style
- B. An enlarged ovule
- C. A mature ovary**
- D. A modifies ovary

**Ans. C** After fertilization ovary develops into fruit and ovule develops into seeds.

**20 Where does fertilization takes place in human beings?**

- A. Uterus
- B. Vagina
- C. Cervix
- D. Fallopian tube**

**Ans. D** Uterus Is the site of implantation and vagina and cervix provides the pathway for travelling of sperm.