How do Organisms Reproduce?

Question 1.

Assertion: In human beings, the female. play a major role in determining the sex of the offspring. Reason: Women have two X chromosomes.

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.
- (e) Both A and R are false.

▼ Answer

(d) A is false but R is true.

Question 2.

Assertion: In male reproductive system, transport of sperm takes place in a fluid which also provide nutrition.

Reason: Protective glands and seminal vesicles secret in the vas deferens.

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.
- (e) Both A and R are false.

▼ Answer

(a) Both A and R are true and R is the correct explanation of A.

Question 3.

A pair of duct arising from testis, which carry sperms are

- (a) fallopian tube
- (b) vas deferens
- (c) oviduct
- (d) urethra

▼ Answer

(b) vas deferens

Question 4.

Many unicellular organisms reproduce by the process of

- (a) fission
- (b) ovulation
- (c) regeneration
- (d) non-disjunction

▼ Answer

(a) fission

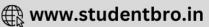
Question 5.

When a sperm is deposited into the vagina which route does it travel?

- (a) Vagina → Oviduct → Uterus → Cervix
- (b) Vagina → Ovary → Uterus → Oviduct







- (c) Vagina \rightarrow Cervix \rightarrow Uterus \rightarrow Oviduct
- (d) Vagina → Uterus → Cervix → Oviduct

▼ Answer

(c) Vagina → Cervix → Uterus → Oviduct

Question 6.

At the time of entering into ovule, pollen tube has

- (a) three male nuclei
- (b) two male nuclei
- (c) one gamete nucleus
- (d) four male gametes

▼ Answer

(b) two male nuclei

Ouestion 7.

Which of this is seminal fluid?

- (a) Prostate gland
- (b) Cowper's gland
- (c) Seminal vesicle
- (d) all of these

▼ Answer

(c) Seminal vesicle

Question 8.

When the foetus is growing inside the uterus it needs nutrients. Which part provides these nutrients?

- (a) Placenta
- (b) Amniotic sac
- (c) Oviduct
- (d) Uterus

▼ Answer

(a) Placenta

Question 9.

The ability to reproduce is lost in a female after

- (a) fertilisation
- (b) menstruation
- (c) gamete formation
- (d) menopause

▼ Answer

(d) menopause

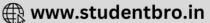
Question 10.

Which part of the flower forms the fruit?

- (a) Whole flower
- (b) Only stamens and carpel







- (c) Only ovary
- (d) Only carpel
- ▼ Answer
- (c) Only ovary

Question 11.

Anemophily is the pollination by:

- (a) Birds
- (b) Rain
- (c) insects
- (d) Wind
- **▼** Answer
- (d) Wind

Ouestion 12.

Which is the most common method of reproduction in majority of fungi and bacteria?

- (a) Budding
- (b) Spore formation
- (c) Binary fission
- (d) Multiple fission
- **▼** Answer
- (b) Spore formation

Question 13.

A common feature of reproduction in Amoeba, spirogyra and yeast is that:

- (a) Asexual reproduction occurs after sexual reproduction
- (b) Asexual reproduction occurs before sexual reproduction
- (c) Asexual reproduction does not involve gametes
- (d) Asexual reproduction involves only one parent
- ▼ Answer
- (d) Asexual reproduction involves only one parent.

Question 14.

There is a greater possibility for the evolution of a new species in organisms which reproduce by

- (a) binary fission
- (b) budding
- (c) fertilisation
- (d) regeneration
- ▼ Answer
- (c) fertilisation

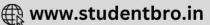
Question 15.

The period during adolescence when the reproductive tissues begin to mature is called

- (a) ovyfetion
- (b) puberty
- (c) germination
- (d) propagation





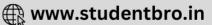


▼ Answer (b) puberty Question 16. Anemophily is the pollination by -(a) Birds (b) Rain (c) insects (d) Wind ▼ Answer (d) Wind Question 17. In man, fertilization of ovum takes place in (a) Vagina (b) ovary (c) uterus (d) Fallopian tubes **▼** Answer (d) Fallopian tubes Question 18. The flower of the Hibiscus plant is (a) bisexual (b) unisexual (c) neuter (d) very small ▼ Answer (a) bisexual Question 19. The seed that contains the future plant is called the (a) cotyledons (b) seed coat (c) germ cells (d) embryo ▼ Answer (d) embryo

Question 20.

Spirogyra reproduce by

- (a) budding
- (b) fragmentation
- (c) regeneration
- (d) fission
- **▼** Answer



(b) fragmentation

Ouestion 21.

In vegetative reproduction, the new individuals are genetically -

- (a) Similar
- (b) Dissimilar
- (c) Abnormal
- (d) None of these

▼ Answer

(a) Similar

Ouestion 22.

During favourable conditions, Amoeba reproduces by

- (a) multiple fission
- (b) binary fission
- (c) budding
- (d) fragmentation

▼ Answer

(b) binary fission

Question 23.

The ability of a cell to divide into several cells during reproduction in Plasmodium is called

- (a) budding
- (b) multiple fission
- (c) binary fission
- (d) reduction division

▼ Answer

(b) multiple fission

Question 24.

Assertion: Amoeba reproduced by fission

Reason: All unicellular organisms reproduced by asexual method.

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.
- (e) Both A and R are false.

Answer

(a) Both A and R are true and R is the correct explanation of A.

Question 25.

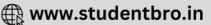
Assertion: Ovary releases one egg every month.

Reason: The lining of uterus is always thick and spongy.

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.
- (e) Both A and R are false.







▼ Answer

(c) A is true but R is false.

Question 26.

The anther contains

- (a) Sepals
- (b) Ovules
- (c) Carpel
- (d) Pollen grains.

▼ Answer

(d) Pollen grains.

Question 27.

In human males, the testes lie in the scrotum, because it helps in the

- (a) process of mating
- (b) formation of sperms
- (c) easy transfer of gametes
- (d) secretion of estrogen

▼ Answer

(b) formation of sperms

Question 28.

The fertilisation of human egg by the sperm takes place in

- (a) vagina
- (b) uterus
- (c) ovary
- (d) oviduct

▼ Answer

(d) oviduct

Question 29.

Which of the following is a primary sex organ in a mammal?

- (a) Ovary
- (b) Vagina
- (c) Uterus
- (d) Mammary glands

▼ Answer

(a) Ovary

Question 30.

What marks the beginning of the reproductive life of a woman?

- (a) Menopause
- (b) Menarche
- (c) Fertilisation
- (d) Ovulation
- ▼ Answer





(b) Menarche Question 31. Where does fertilisation take place? (a) Uterus (b) Vagina (c) Fallopian tube (d) Cervix ▼ Answer (c) Fallopian tube Question 32. Pollen grains are produced by (a) ovary (b) ovule (c) anther (d) corolla **▼** Answer (c) anther Question 33. Fertilization in plants occurs in the: (a) Embryo sac (b) Style

- (c) Pollen tube
- (d) Stigma

▼ Answer

(a) Embryo sac

Question 34.

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

- (a) Placenta
- (b) Villi
- (c) Uterus
- (d) Womb

▼ Answer

(a) Placenta

Ouestion 35.

Which of the following method of contraception protects from acquiring sexually transmitted diseases?

- (a) Surgery
- (b) Condoms
- (c) Copper-T
- (d) Oral-pills
- **▼** Answer





(b) Condoms

Ouestion 36.

The ability of an organism to develop whole body from a broken piece or fragment is called

- (a) binary fission
- (b) budding
- (c) multiple fission
- (d) regeneration
- ▼ Answer
- (d) regeneration

Question 37.

The normal duration of menstrual cycle is

- (a) 7 8 days
- (b) 13 15 days
- (c) 3 4 days
- (d) 28 days
- **▼** Answer
- (d) 28 days

Question 38.

Which of the following is not an artificial method of vegetative propagation?

- (a) Cutting
- (b) Layering
- (c) Budding
- (d) Grafting
- ▼ Answer
- (c) Budding

Question 39.

Which among the following diseases is not sexually transmitted?

- (a) Syphyllis
- (b) Hepatitis
- (c) HIV-AIDS
- (d) Gonorrhea
- ▼ Answer
- (b) Hepatitis

Question 40.

Along the path of the vas-deferens the secretions of which gland provide nutrition to the sperms?

- (a) Prostate glands
- (b) Seminal vesicles
- (c) Scrotum
- (d) Urinary bladder
- ▼ Answer
- (b) Seminal vesicles







Question 41. Plants like banana, rose, jasmine, orange have lost the capacity to produce (a) seeds (b) buds (c) flower
(d) roots ▼ Answer
(a) seeds
Question 42. During grafting, the portion of plant that is grafted is called – (a) Stock (b) Scion (c) stalk (d) stem
▼ Answer
(b) Scion
Question 43. The process of release of eggs from the ovary is called (a) menstruation (b) reproduction (c) insemination (d) ovulation
▼ Answer
(d) ovulation
Question 44. In Rhizopus, tubular thread like structures bearing sporangia at their tips are called (a) filaments (b) hyphae (c) rhizoids (d) roots
▼ Answer
(b) hyphae
Question 45. In a potato, vegetative propagation takes place by: (a) root (b) leaf (c) stem tuber (d) grafting
▼ Answer
(c) stem tuber
Question 46. When an organism breaks into a number of parts and each part develop into an individual, it is

called:

- (a) Budding
- (b) Binary fission
- (c) Regeneration
- (d) Spore formation

▼ Answer

(c) Regeneration

