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Class → VIII

Sec → A

Subject → Biology

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Revisions

Section A

Q1) The numbers of modes by which animals reproduce are :-

(ans) => a) two ✓

Q2) Asexual reproduction is observed in :-

(ans) => c) sponge ✓

Q3) The main function of guard cells is to help with transpiration

(ans) => a) transpiration ✓

Q4) transpiration is regulated by the movements of Guard cell

(ans) => b) Guard cell ✓

Q5) Ecosystem has two components.

(ans) \Rightarrow C) biotic and abiotic IV

Section B

Q6) which chromosome does the unfertilised egg contain?

(ans) \Rightarrow ~~The unfertilised egg.~~

Q7) which hormone balances the proportion of salts in the blood?

(ans) \Rightarrow ~~The hormone balances the proportion of salts in the blood.~~

The hormone balances the proportion of salts in the blood is cortisone.

Q8) what do you mean by reproductive health?

(ans) → A Reproductive Health means a state of physical, mental and social well-being of a person in all matters relating to the reproductive system at all stage of life.

Q9) which hormone is released by pancreas? what is its function?

(ans) → Insulin and glucagon are the hormone released by pancreas. Its function is to lower glucose levels in the bloodstream and promote the storage of glucose in fat, muscle, liver and other body tissues.

Q10) what is artificial ecosystem?

(ans) → An artificial ecosystem is a human made system of plants, animals, and people living in an area together with their surroundings.

Q11) Differentiate between food chain and food web.

(ans) ⇒ Food chain

It shows the linear flow of nutrients and energy from one trophic level to another.

Food web

It is a multitude of food chains that are interconnected at many trophic levels.

Q12) what are ecological pyramids?

(ans) ⇒ An ecological pyramids is a graphical representation designed to show the biomass or bioproductivity at each trophic level in a given ecosystem.

Q13) Name two plants which reproduce through spores.

(ans) ⇒ Two plant which reproduce through spores are as follows :-

- a) ferns
- b) mosses
- c) liverworts
- d) green algae

Q14) why is regeneration considered a method of reproduction?

(ans) ⇒ Regeneration is considered as a method of reproduction because through this process and organism can multiply and form new ~~individuals~~ individuals.

~~Q14~~

Q15) which vegetative part is used in the ~~prop~~ propagation of Bryophyllum and mint?

(ans) ⇒ ~~Both~~ Bryophyllum vegetative propagation takes place through leaves and mint vegetative propagation occurs through modified sub-terranean stem called suckers. Bryophytes lack true roots.

Section c

Q16) When ~~will~~ the mother is angry and the child is afraid more than adrenaline would be released from the adrenal gland.

Q17) uterus is the organ is responsible for implantation of zygote. The function of fallopian tube is to transport the ova from the ovary to the uterus each month.

Q18) The chromosome number between an egg ~~and its zygote~~ is 23 and Zygote is 46 chromosome. Sperm and egg are genetically different in term of sex chromosome.

19) The embryo grows inside the mother's womb and gets nourishment from the mother's blood through the tissues called the placenta.

Q1) The changes take place in uterus subsequent to implantation of the young embryo is uterine lining thickens to support to developing embryo.

Q2) Asexual reproduction is a type of reproduction by which offspring arise from a single organism, and inherit the genes or that parent only, it does not involve the fusion of gametes, and almost never changes the number of chromosomes. Asexual reproduction is the primary form of reproduction for single-celled organism such as archaea and bacteria.

Q3) Movement of water from root hairs to xylem vessel.

(The diagram is in the next page)

23) The plasma membrane is known as a selectively ~~is~~ permeable because it has the ability to decide whether to allow substances inside and outside the cell or not.

24) factors affect the rate of diffusion are as follows:-

- a) concentration gradient
- b) permeability of the membrane
- c) Temperature
- d) pressure

Section D

25) A Reproductive Health means a state of physical, mental and social well being of a person in all matters relating to the reproductive system at all stage of life. The maintainance we should do for Reproductive health are as follows:-

- a) Go for regular screenings
- b) practice safe sex
- c) Have regular orgasms
- d) Increase consumption of calcium and magnesium.
- e) quit smoking

Q6) vegetative reproduction is any form of asexual reproduction ~~occurring~~ occurring in plants in which a new plant grows from a fragments or cutting of the parent plant on a specialized reproductive structure. Example → Tubers of potato, the rhizome of ginger. Two reasons of practicing vegetative propagation ~~for~~ are as follows:-

- a) Vegetative propagation is a cheap, easy and rapid method.
- b) Better quality of plant can be maintained