

## ASCENT COACHING & SPOKEN ENGLISH POINT cinema chowk PATORY (SAMASTIPUR)

*How Do Organisms Reproduce?*

CLASS-X

Biology

**TIME- 3 hrs**

**F.M-90**

**Q1 to 3= 1mark each Q4 to 7 = 2 marks each Q 8 to 19 = 3 marks each  
Q20 to 24 = 5 marks each Q 25 to 42 = 1mark each**

### SECTION-A

- |  |         |
|--|---------|
| Q1) Which type of reproduction involves only one parent?   | 1mark   |
| Q2) Give two examples of organisms that reproduce through budding.   | 1mark   |
| Q3) Out of the following plants which two plants are reproduced by vegetative propagation?<br>jasmine, wheat, mustard, banana  | 1mark   |
| Q4) Write the full form of IUCD  | 2marks  |
| Q5) Why vegetative reproduction is practiced for growing some type of plants?  | 2marks  |
| Q6) What are the changes seen in girl's at the time of puberty?  | 2marks  |
| Q7) What is the role of the seminal vesicles and the prostate gland?   | 2 marks |
| Q8) Show by a series of labeled diagram, the manner in which reproduction in Hydra.  | 3 marks |
| Q9) What is 'vegetative propagation'? Write two examples where it is used. State two reasons of practicing vegetative propagation for giving same types of plants.   | 3 marks |
| Q10) What is advantages of sexual reproduction over asexual reproduction?  | 3 marks |
| Q11) Why does menstruation occur?  | 3 marks |
| Q12) What happens if the ovum does not fertilized in female body?  | 3 marks |
| Q13) Differentiate between grafting and layering.  |         |
| Q14) Explain the structure of sperm.   |         |
| Q15) How do sperms reach the female genital tract? where does fertilization and implantation of the embryo takes place. For how long does the embryo remain attached to uterine walls.   | 3 marks |
| Q.16) Mr. R. Sharma was suffering from various types of diseases presently. He went for thorough health checkups and was diagnosed as HIV+ve. Soon this news spread in his neighborhood and on account of this, he faced social isolation. | 3 marks |
| Comment upon:-   |         |
| i. Do you think people's indifference towards HIV+ve people is justifiable?<br>What kind of approach should we have towards the persons suffering from AIDS.   |         |
| ii. How can one protect oneself from this diseases?  |         |
| Q.17) . Describe sexually transmitted diseases (STDs) and mention the ways to prevent them.  | 3 marks |
| Q.18) What is the need of population control?  | 3 marks |
| Q19) Why must pollination occur before fertilization? How is pollination different from fertilization? What does a pollen contain inside?  | 3 marks |

Q20(a) List two reasons for avoiding frequent pregnancies by women. (b) Explain in brief the following method of contraception giving one example of each. (i) Barrier method (ii) Chemical method (iii) Surgical method.

OR

(a) Draw longitudinal section of a flower to show its male and female reproductive parts. Label the following on it. (i) Ovary (ii) Anther (iii) Filament (iv) Stigma (b) Distinguish between self-pollination and cross-pollination. (c) How does fusion of male and female gametes take place in plants? 5 marks

Q21) Draw a labelled diagram to explain the female Reproductive system.

Q22) Describe the changes taking place in female reproductive organs every month

Or What will happen if ovum is not fertilized? Describe the events in a sequence wise manner.

5 marks

Q23) What are the different methods of contraception? 5 marks

Q24) Diagrammatical represent how are spores produced in sporangium of Rhizopus?

5 marks

### SECTION-B (1 x 18 = 18 )

Q25) Condom is a method of birth control that falls under the following category:

(a) Surgical Method (b) Hormonal Method (c) Mechanical method (d) Chemical Method

Q26) The common passage for sperms and urine in the male reproductive system is:

(a) Ureter (b) Seminal Vesicle (c) Urethra (d) Vas deferens

Q27) In sperm, mitochondria occurs at

(a) In acrosome (b) In tail (c) In head (d) In middle piece

Q28) In general a fruit is

(a) a thickened style. (b) an enlarged ovule. (c) a mature ovary. (d) a modified root

Q29) Mature sperms are stored in

(a) epididymis (b) vas deferens (c) seminiferous (d) seminal vesicles

Q30) Binary fission in some organisms occurs in definite orientation in relation to the cell structures. One such organisms is:

(a) Leishmania (b) Plasmodium (c) Amoeba (d) Bacteria

Q31) The testes perform the following function/functions:

(a) Produce testosterone (b) Produce sperms (c) Produce male gametes and hormone

(d) Produce sperms and urine

Q32) Plants that have lost their capacity to produce seeds, reproduce by

(a) Spores (b) Vegetative propagation (c) Fission (d) Regeneration

Q33) A stamen consists of two parts namely:

(a) Anther and style (b) Anther and filament (c) Stigma and style (d) Filament and style

Q34) A bisexual flower contains

(a) Stamens only (b) Carpels only (c) Either stamens or carpels (d) Both stamens and carpels

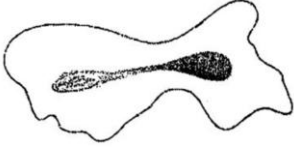
Q35) The anther contains

(a) sepals. (b) ovules. (c) carpel. (d) pollen grains.

Q36) The diagram given below illustrates

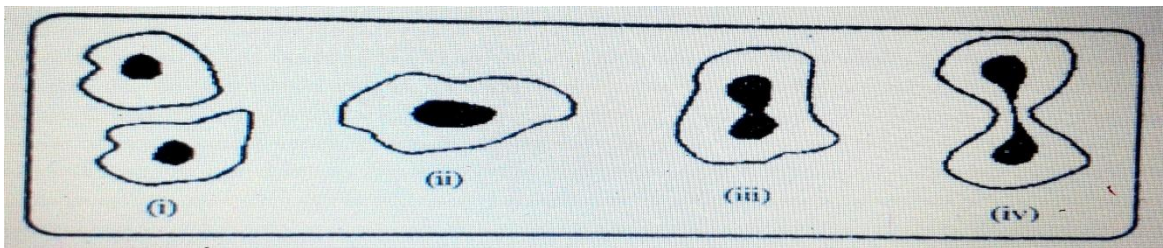
(a) bud formation in yeast (b) binary fission in Amoeba. (c) formation of daughter cells in yeast.

(d) pseudopodia formation in amoeba



Q37) The figures given below illustrate binary fission in Amoeba but the steps are not in proper sequence.

The correct sequence of the process is:



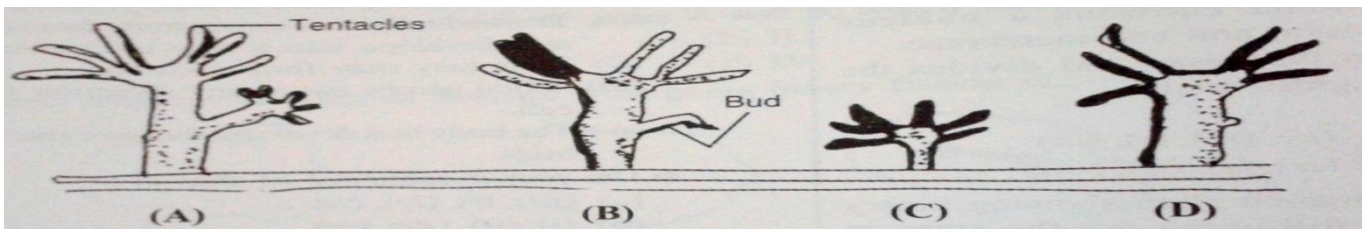
(a) IV, II, I, III

(b) II, III, IV, I

(c) IV, I, II, III

(d) II, I, IV, III

Q38) Give the correct sequence of the following figures:-



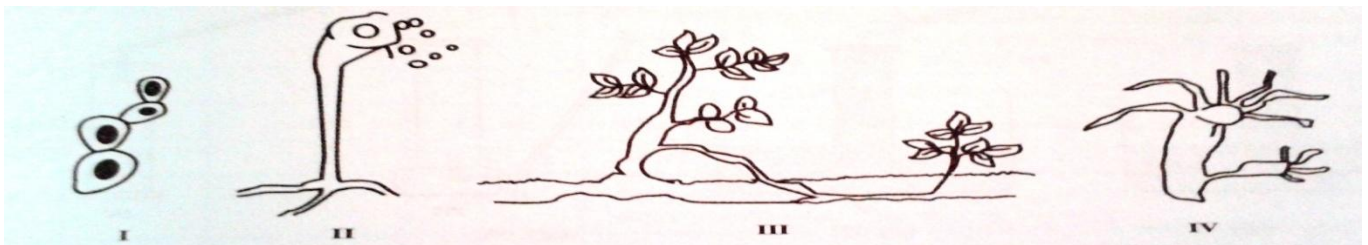
a) D,A,C,B

b) D,B,A,C

c) B,C,A,D

d) C,D,B,A

Q39) Two of the following four figures that illustrate budding are:-



a) I and II

b) I and III

c) I and IV

d) II and IV

Q40) A common feature of reproduction in Amoeba, spirogyra and yeast is that –

a) They reproduce only sexually

b) They are all unicellular

c) they reproduce asexually

d) They are all multicellular

Q41) Which of this is seminal fluid?

a) Prostate gland

b) Cowper's gland

c) Seminal vesicle

d) all of these

Q42) Which among the following diseases is not sexually transmitted?

a) syphilis

b) Gonorrhoea

c) HIV – AIDS

d) Hepatitis



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FROM

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