

Question Bank – Biology

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- 1) Expand AIDS, HIV, DNA, IUCD, and OC's.
- 2) State two vegetative methods of reproduction and state examples.
- 3) What is a spore?
- 4) What are gametes?
- 5) When is ovum released in human female?
- 6) What changes take place in the flower after fertilization?
- 7) What is germination?
- 8) Name the methods of growing jasmine and rose plant.
- 9) What is vas deferens?
- 10) What are the functions of urethra in males?
- 11) Why do testes lie outside the abdominal cavity?
- 12) What are secondary sexual characteristics in male?
- 13) When does puberty occur in males?
- 14) Why does regeneration not possible in complex organism?
- 15) Differentiate male gamete from female gamete.
- 16) What are STD's? Name 2 of them.
- 17) What is the role of placenta?
- 18) What is anther?
- 19) In tobacco plant, male gametes have 24 chromosomes. How many of them are in female?
- 20) Pollination precedes fertilization. Justify.
- 21) Differentiate:
 - a) External fertilization from Internal fertilization
 - b) Self pollination from Cross pollination
- 22) What is the function of pollen tube?
- 23) Why is only one egg released by the ovary in a month?
- 24) Why is vagina known as the birth-canal?
- 25) Why does the uterus lining become thick?
- 26) How do hormonal pills act as contraceptives?
- 27) Why doesn't Copper-T prevent STD's?
- 28) Name the contraceptive by which the fallopian tube is blocked.
- 29) How are surgeries misused by people?
- 30) Why are human females, homogametic?
- 31) How do food chains get shortened? What is its impact?
- 32) Write the role of decomposers.

- 33) Differentiate consumers from producers.
- 34) What is the ratio of chromosome no. between male and female gametes?
- 35) Write an aquatic food chain and a terrestrial one.
- 36) Why are some substances said to be biodegradable?
- 37) What is implantation?
- 38) What is gestation and gestation period?
- 39) What are autosomes?
- 40) What are the functions of ecosystem?
- 41) What are the components of ecosystem?
- 42) Describe the 10% Law of Energy.
- 43) Expand ppm in biomagnification.
- 44) How much energy will be available to hawks in a food chain comprising hawk, snake, paddy and mice, if 1000J of energy is available at the 1st trophic level?
- 45) Why is maximum energy available at the producers' level?
- 46) Differentiate food chain from food web.
- 47) Why are males said to be heterogametic?
- 48) Differentiate short term advantages from long term advantages in management of resources.
- 49) What are some of the advantages of groundwater?
- 50) Name the river in which Tehri Dam is built.
- 51) List some advantages of water-shed management.
- 52) Name any forest products.
- 53) How are forests important?
- 54) What is the importance of wildlife?
- 55) What are the two types of resources?
- 56) Name the major constituent of biogas.
- 57) How is the demand of energy destructive?
- 58) Name any two traditional systems of water harvesting.
- 59) When was Ganga Action Plan formulated?
- 60) What is silviculture?
- 61) Describe sustainable development.
- 62) What is water harvesting?
- 63) Why must we conserve our forests?
- 64) What are biodiversity hot-spots?
- 65) Industrialization is one main cause of deterioration of our environment. Why?
- 66) What measures have been taken for the conservation of wildlife?
- 67) What are the benefits of Chipko Movement to the local people?
- 68) Name three instances where human interventions saved the forests from destruction.
- 69) Despite good rains, why are we not able to meet the demands of water to the people?
- 70) Who are the stakeholders of the forest?

- 71) What are the advantages of water harvesting?
- 72) Describe some of the contribution of society in the conservation of forests.
- 73) Why is reuse better than recycling?
- 74) Energy flow is said to be unidirectional. Justify.
- 75) Name one chemical which causes biomagnification.
- 76) Name the bacteria present in river Ganga.
- 77) How did British invasion affect in terms of environment?
- 78) Name the canal which brought greenery to Rajasthan.
- 79) What are some of the indigenous systems of water harvesting methods?
- 80) Describe the balance between development and environment.
- 81) What are the ill effects of biodegradable waste?
- 82) Describe the judicious use of natural resources.
- 83) What is a trophic level?
- 84) Atomic mass of hydrogen is 37 pm. Express it in meters.
- 85) Give the schematic representation on sex determination in human beings.