

**BIOLOGY WORKSHEET CLASS : X**

**1-MARK QUESTIONS**

**Q1. Define Gene on the basis of its structure and function.**

**Q2. Define : a) Heredity b) Evolution**

**Q3. Snake, grass, rat, hawk**

**If the above group of organisms form a food chain, name the organism belonging to – a) second trophic level. B) carnivore level**

**Q4. List any two parameters to check water pollution.**

**What will be the sex of the baby if sperm carrying X chromosomes fertilizes the egg? what will be the genotype of the zygote?**

**Q5. What do you mean by sustainable management?**

**Q6. Name the hormones released from testes and ovaries.**

**Q7. Define Biological magnification.**

**Q8. Define ecosystem. Name its two components.**

**Q9. Define germination of seed.**

**Q10. Name few tools to trace human evolution.**

**2-MARKS QUESTIONS**

**Q1. Differentiate between Homologous and Analogous Organs.**

**Q2. How are acquired traits different from inherited traits?**

**Q3. Explain binary fission in Amoeba.**

**Q4. State the function of seminal vesicles and prostate glands in human males.**

**Q5. Distinguish between uni sexual and bisexual flowers . give two examples of each.**

**Q6. Why is fragmentation not seen in higher multi cellular organisms.**

**Q7. Define Variation. How is it helpful to a species?**

**Q8. What is Biodiversity? Write its advantages?**

**Q9. Plastic and paper both can be recycled, then which one of these two is preferable to make disposable items? Give two reasons.**

**Q10. What is the role of decomposers in sustaining the ecosystem?**

### **3-MARK QUESTIONS**

**Q1. Write full form of DNA. What is the significance of DNA copying during reproduction?**

**Q2. How is the sex of child determined? Explain with the help of a diagram.**

**Q3. Wild cabbage was converted into number of variants like Cauliflower, Broccoli, Cabbage, Kale by man. What is this process called? Does it play a role in evolution?**

**Q4. List the roles of fossils in tracing evolutionary relationship.**

**Q5. Explain how flow of energy is unidirectional and flow of matter is cyclic?**

**Q6. What is the function of ozone? How is it getting depleted? What are the consequences of ozone depletion? What measures have been taken to stop its depletion?**

**Q7. Define vegetative propagation. Write its advantages.**

**Q8. How do biodegradable and non biodegradable wastes affect our environment?**

**Q9. Explain natural selection and genetic drift.**

**Q10. Why do we need to manage our resources?**

### **5-MARK QUESTIONS**

**Q1.a) Draw a labelled diagram of Longitudinal section of a bisexual flower. b) state the events occurring in a flower after fertilisation.**

**Q2.a) Draw a labelled diagram of human female reproductive system.**

**b) Why does menstruation occur?**

**Q3. List four main factors for speciation and describe each one of them.**

**Q4. In a Mendelian experiment pea plant bearing round, green seeds are crossed with pea plants bearing wrinkled, yellow seeds. Draw a flow chart to show this experiment. What is the name given to this experiment? What do you conclude from F1 and F2 progenies.**