

## SCIENCE - 2 VERY IMPORTANT SUBJECTIVE QUESTION

Q.1) Define vestigial organs. Write names of some vestigial organs in human body and write the names of those animals in whom same organs are functional ?

Q.2) Define heredity. Explain the mechanism of hereditary changes.

Q.3) Explain Process of transformation of complex protein?

Q.4) Write short notes based upon the information known to you.

a. Darwin's theory of natural selection. b. Embryology c. Connecting link

Q.5) Write definitions of : Nutrition, Nutrients, Cellular respiration, Aerobic respiration.

Q.6) Distinguish between : Mitosis and meiosis, aerobic respiration and anaerobic respiration.

Q.7) Explain the glycolysis in details.

Q.8) Explain Kreb's cycle in reaction.

Q.9) With the help of suitable diagrams, explain the mitosis in detail.

Q.10) Explain with examples types of asexual reproduction in unicellular organism.

Q.11) What is menstrual cycle? Describe it in brief. ?

Q.12) Gender of child is determined by the male partner of couple. Explain with reasons whether this statement is true or false.

Q.13) Modern techniques like surrogate mother, sperm bank and IVF technique will help the human beings. Justify this statement

Q.14) Explain sexual reproduction in plants.

Q.15) Write short notes. A.Biodiversity. B.Sacred Groves. C.Disaster and its management.

Q.16) How the biodiversity can be conserved?

Q.17) Which are the reasons for endangering the many species of plants and animals? How can we save those?

Q.18) Explain the difference.

- a. Conventional and Non-conventional Sources of energy.
- b Thermal electricity generation and solar thermal electricity generation.

Q.19) What is meant by green energy? Which energy sources can be called as green energy sources and why? Give examples ?

Q.20) Explain : Saving energy is the need of the hour.

Q.21) How can we get the required amount of energy by connecting solar panels?

Q.22) Give reasons :

a. It is absolutely necessary to control the fission reaction in nuclear power plants

b. It is possible to produce energy from mW to MW using solar photovoltaic cells

Q.23) Give scientific classification of shark upto class.

Q.24) Distinguish between butterfly and bat with the help of four distinguishing properties.

Q.25) Give Reason :

A. All vertebrates are chordates but all chordates are not vertebrates

B. Body temperature of reptiles is not constant.

Q.26) Which fuels can be obtained by microbial processes? Why is it necessary to increase the use of such fuels?

Q.27) Why is it necessary to ban the use of plastic bags?

Q.28) How can the soil polluted by acid rain be made fertile again?

Q.29) Explain the importance of biopesticides in organic farming

Q.30) Answer the following.

- a. What is role of microbes in compost production?
- b. Which plants are cultivated to obtain the fuel?

c. Which fuels are obtained from biomass?

Q.31) Write short note on

a. Biotechnology: Professional uses. b. Importance of medicinal plants

Q.32) Which factors affect the social health?

Q.33) Which problems do the common man faces due to incidences of cyber crime?

Q.34) Explain the importance of good communication with others.

Q.35) Write Short Notes on :

a. Mock drill

b. Disaster Management act 2005

Q.36) Which are the objectives of Disaster Management.

Q.37) Why is it essential to get the training of first aid?

Q.38) Which different methods are used for transportation of patients? Why

**NOTE : QUESTIONS THAT WOULD BE ASKED WILL MOSTLY BE OBJECTIVES OR THESE ANSWERS IN OBJECTIVE FORM. SO ITS HIGHLY ADVISABLE TO DO OBJECTIVES FIRST AND THEN THIS TOPICS FIRSTLY**