Q.1 Write an appropriate term: (1\*10=10)

i) An artificial fibre that resembles silk : \_\_\_\_\_\_\_\_.

ii) The first antibiotic discovered was : \_\_\_\_\_\_\_\_\_.

iii) A machine which is used for harvesting and threshing : \_\_\_\_\_\_.

iv) Rearing of honeybee is known as : \_\_\_\_\_\_\_.

v) The protozoan parasite that causes malaria is :\_\_\_\_\_\_\_\_.

vi) Microorganisms which are link between living and non living organisms : \_\_\_\_\_\_\_\_.

vii) Fibre having low density but high elasticity is :\_\_\_\_\_\_\_\_.

viii) The method in which water is allowed to fall drop by drop at the roots of the plants :\_\_\_\_\_\_\_\_.

ix) The fibre formed by blending of cotton and polyester is :\_\_\_\_\_\_\_\_.

x) Scattering of seeds by hand is known as :\_\_\_\_\_\_\_\_.

Q.2 Write answers in 20 -30 words . (2\*5=10)

i) Give two uses of nylon fibre.

ii) How are bacteria able to survive harsh weather conditions ?

iii) Why seeds have to be sown at right distances ?

iv) How does sugar prevent food spoilage ?

v) Define polymer . Write monomer of a)acrylic b) cellulose.

Q.3 Write answers in 40-50 words:. (3\*5 =15)

i) Write three chacteristics of Rayon.

ii) Explain the principle of vaccination.

iii) a)Write two advantages of manure over fertilzers.

b) What are weedicides?

iv) Explain pasteurization and canning with suitable example.

v) Write three ways to control pests.

Q.4 Draw well labelled diagram of Nitrogen Cycle. Also name the major steps. ( no explanation required). (5)