**SAMPLE PAPER (SET -3 ) SUBJECT –SCIENCE M.M. 90**

 **CLASS –VIi**

**1.FILL IN THE BLANKS: 5×1=5**

**1.The chemical formula of water is …………………….. .**

**2.Pollen grains are produced by ………………………. .**

**3…………………… and ………………….. cause soil pollution.**

**4.Lightning and …………………. Occur together.**

**5.The …………………….. is a simple device that enable us to see ‘overhead objects ‘ that are not directly in range of our sight.**

**2.TRUE / FALSE : 5×1=5**

**1.Air is a good conductor of heat.**

**2.Forests help in decreasing soil erosion.**

**3.Afforestation increases the level of ground water.**

**4.Yeast reproduce asexually through fragmentation.**

**5.Lightning is a natural electrical discharge phenomenon.**

**3.MCQ : 5×1=5**

**1.’Waste water ‘ is also called –**

**(a) sewage (b) potable water (c) water table (d) salty water**

**2.The caterpillars of silkworms feed on –**

**(a) rose leaves (b) teak leaves (c) mulberry leaves (d) grass**

**3.Which of the following is not an element used for describing weather-**

**(a) wind (b) humidity (c) temperature (d) mountain**

**4.An incident ray parallel to principal axis after reflection always passes through-**

**(a) focus (b)centre of curvature (c) pole (d) infinity**

**5.The object ,cannot be easily charged by rubbing out of following is –**

**(a) a plastic comb (b) a copper rod (c) a rubber balloon (d) a woolen cloth**

**4.Each question carry 1 marks : 10×1=10**

**1.Write the chemical symbol of gold.**

**2.Name the reproductive part of the plant.**

**3.Which organism is known as nature’s ploughman?**

**5.Name the scientist who proved that lightning is electrical in nature.**

**6.A glass rod is rubbed against a silk cloth.Which object/s get/gets charged in this process ?**

**7.Name the mirror which always forms a virtual ,erect and diminished image of an object.**

**8.Name the mirror which is generally used by dentists.**

**9.Write the relation between focus and radius of curvature in spherical mirror.**

**10.When are the maximum and minimum temperatures likely to occur during the day?**

**5.MATCH THE FOLLOWING : 5×1=5**

**1.Quicklime (a) bed rock**

**2.Lowest horizon of soil profile (b) lightning**

**3.Potter’s soil (c) made of protein**

**4.Natural electrical discharge (d) CaO**

**5.Silk thread (e) clay**

**6.Each question carry 2 mark: 10×2=20**

**1.State any two precautions that can help avoid choking of drains.**

**2.Discuss any two causes that lead to decrease in ground water level.**

**3.Define the term sericulture.**

**4.How do woolen clothes keeps us warm in winter?**

**5.Mention two adaptive features of a penguin that help it in swimming.**

**6.Big cats have sharp teeth .Give reason.**

**7.Explain the difference between real and virtual image.**

**8.State the two laws of reflection.**

**9.Why do we say charges are always produced in pairs.**

**10.Define soil erosion.**

**7. Each question carry 3 marks : 10×3=30**

**1. Write difference between plasticity and cohesion.**

**2.Write a short note on composition of a soil.**

**3.Draw a labeled diagram to describe the parts of flower.**

**4.How are fruits formed ?**

**5.’Neutralisation reaction is a chemical change’ .Justify the statement.**

**6.Write the chemical formula of following compounds :**

**(a) aluminium oxide (b) zinc acetate**

**7.Discuss , in brief , how rain water harvesting can be done.**

**8.Write a short note on ‘rearing of silkworms’ .**

**9.How is trunk useful to the elephant ?**

**10.Define conduction and induction method.**

**8. Each question carry 5 marks : 5×2=10**

**1.Describe the life cycle of silkworm with diagram.**

**2. Draw a ray diagram of concave mirror when object is placed between ‘F’ and ‘P’ .Also write the position,size and nature of image formed.**