



6. The white Portland cement contains low proportion of iron oxide.
7. The color of white Portland cement is grey.
8. The mortar is the mixture of sand and mud.
9. The engraved marks are made on jewelry using engraving tools.
10. The footprints obtained in mud or snow are known shrunken footprint.
11. The direction line is also known as gait line.
12. The shrunken footprints can be lifted by using casting method.
13. A small box like structure connected with trachea is called larynx.
14. The passive circulator is movable like lips, tongue.
15. The speech enhancement is necessary to improve speech clarity and quality.
16. The SNR is the measurement of signal quality.

**Q-2 Answer in Brief: (Any 07)**

[14]

- 1) Write down the properties of glass.
- 2) Define chemical weathering.
- 3) Define tool marks.
- 4) Write down the heating test for cement.
- 5) Enlist various types of footprints.
- 6) What is yaw mark?
- 7) Give the full form of SNR.
- 8) Write down the closed test in speaker identification.
- 9) Define patent footprint.

**Q-3** What is soils? Explain the types of soils in details.

[08]

OR

**Q-3** What is glass? Explain various types of glass in details.

[08]

**Q-4** What is cement? Explain in details of the name of five types of cement.

[08]

OR

**Q-4** Write down the examination of Mortar.

[08]

**Q-5** Describe gait characteristics in detail.

[08]

OR

**Q-5** Write a detail note on tyre marks along with information obtained from side walls of tyres.

[08]

**Q-6** Explain audio-video Authentication.

[08]

OR

**Q-6** Write a note on speech enhancement.

[08]