**Science (Chapter – 10, 13)**

( Attempt All Questions. )

1. What is menstruation? Explain.(3)
2. What are sex hormones? Why are they named so? State their function.(3)
3. Why should adolescents have a balanced diet?(2)
4. Differentiate between changes occurring in males and females at puberty.(4)
5. Write short note on AIDS.(2)
6. Which hormone helps in the development of secondary sexual characters?(1)
7. Draw the diagram for ‘Position of endocrine glands in the human body’.(2)
8. Explain how sound produces in human beings. Draw the diagram for ‘Human ear’.(4)
9. How can we control Noise Pollution? List the harmful effects of Noise Pollution.(4)
10. A pendulum oscillates 40 times in 4 seconds. Find its time period and frequency.(2)
11. The sound from a mosquito is produced when it vibrates its wings at an average rate of 500 vibrations per second. What is the time period of the vibration?(2)
12. Lightning and thunder take place in the sky at the same time and at the same distance from us. Lightning is seen earlier and thunder is heard later. Can you explain why?(2)
13. Fill in the blanks with suitable words.(4)
14. Time taken by an object to complete one oscillation is called \_\_\_\_\_\_\_\_\_\_.
15. Loudness is determined by the \_\_\_\_\_\_\_\_\_\_ of vibration.
16. The unit of frequency is \_\_\_\_\_\_\_\_\_\_
17. Shrillness of a sound is determined by the \_\_\_\_\_\_\_\_\_\_ of vibration.