

ATOMIC ENERGY CENTRAL SCHOOL NO 3 RAWATBHATA

PT - II (2018-19)

CLASS – VIII

MM-40

SUB- SCIENCE

TIME – $1\frac{1}{2}$ Hrs

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| 1. what is the Si unit of pressure? | 1 |
| 2. What is the main cause of friction? | 1 |
| 3. Name the hormone which controls the transformation from tadpole to adult. | 1 |
| 4. Name any two musical instruments which produce sound by vibrating strings. | 1 |
| 5. Why should adolescents maintain personal hygiene? | 2 |
| 6. What is ultrasound? Give its two applications. | 2 |
| 7. Why is it easier to write with a ball pen as compared to a fountain pen? | 2 |
| 8. Determine the pressure when a force of 200N acts on an area of 20 square metres. | 2 |
| 9. Is there a force of friction between the wheels of a moving train and iron rails? If yes, name the type of friction. If an air cushion can be introduced between the wheel and the rail, what effect will it have on the friction? | 3 |
| 10. a) Give two advantages of using Chromium for electroplating.
b) Write two advantages of using LED. | 3 |
| 11. Mention three precautions that you will take during an earthquake when you are inside the house. | 3 |
| 12. a) Why do porters keep a round piece of cloth on their head while carrying heavy load?
b) Why are we not crushed under atmospheric pressure? | 3 |
| 13. Describe an activity to show that sound can travel in water. | 4 |
| 14. a) If the metal clip used in the electroscope is replaced by an ebonite rod and a charged body is brought in contact with it, will there be any effect on the aluminium strips? Explain.
b) What is a lightning conductor? Explain its structure. | 4 |
| 15. Describe the process of electroplating with the help of a neat labeled diagram. | 4 |
| 16. What is AIDS? Name its causative organism. List two ways of its transmission. | 4. |