

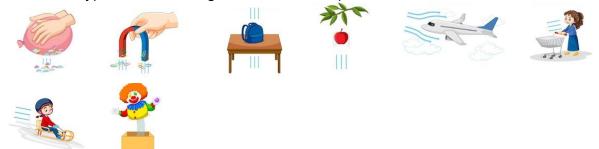
Question Bank For Final Exam Session 2022 – 2023 Grade: 5 Subject: Science

## chapter 4 : Forces and Motion

- 1. How do you measure the mass and weight?
- 2. What is the difference between mass and weight?
- 3. Why does a boat float on the water?
- 4. What force is acting on the book?
- 5. What force is acting on your arm?
- 6. When you first hold up the book is one force bigger than the other? Write why or why not?
- 7. When you stand still, why don't you sink into the ground? Draw a force diagram to explain your answer.
- 8. What are balanced and unbalanced forces?
- 9. When you open a door, what force do you exert on it?
- 10. How can you increase the amount of work done when you lift a book? Explain your

answer?

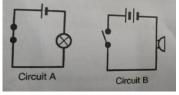
- 11. How do forces act to break a glass when it falls on the ground?
- 12. How do forces act to make a rubber ball bounce when you drop it?
- 13. What is friction?
- 14. What are some real life examples of friction?
- 15. How do we use friction to clean our clothes?
- 16. How can we reduce friction?
- 17. How does air resistance affect the motion of objects?
- 18. What is the difference between air resistance and friction?
- 19. Name two forces that acted on your parachute.
- 20. Name the type of force acting in each of these pictures.



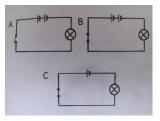
## Chapter 5 : Electrical conductors and insulators.

- 1. What are conductors and insulators?
- 2. Which materials conduct electricity?
- 3. Which types of materials are best conductors?
- 4. Gold is a very good conductor of electricity. Why is not gold wire used in circuits?

- 5. Explain the reason for each the following:
  - a. Racing cars have smooth tyres.
  - b. The tyres of trucks have lots of grooves.
  - c. Racing cars are low, flat cars.
- 6. What is the difference between a cell and a battery?
- 7. Did all the metals conduct electricity?
- 8. What is the difference between pure water and distilled water?
- 9. What is a series circuit?
- 10. Draw a circuit diagram to show a circuit with
  - a 3 v battery, a closed switch and two bulbs.
- 11. Draw a circuit diagram including these components to make the circuit:4.5 v batteryconnecting wireswitchtwo bulbs
- 12. Look at circuit diagrams A and B. Identify the circuit that shows:



- i) Which circuit shows a battery, a buzzer and a switch?
- ii) Which circuit shows a cell, a bulb and a switch?
- iii) Which circuit has the biggest energy source?
- iv) Which circuit shows the switch open?
- 13. In which of the circuits A, B and C will the bulb not light up? Explain your answer.



14. Identify two dangers in the use of mains electricity in the picture.

