

S-41-A

MIDTERM EXAMINATIONS (2018 - 19)
PHYSICAL SCIENCES

(English Medium)

PART - A & B

Class : VIII

(Max. Marks : 40)

Time : 2.45 Hrs.

Instructions :

1. Question paper contains two parts , Part A & Part B
2. 15 Minutes are allotted for reading the question paper (Part A & B) in addition to 2.30 hours for writing the answers.
3. Part - A answers should be written in a separate answer book.
4. There are three Sections in Part - A.
5. Answer all the questions.
6. Every answer should be visible and legible.
7. There is internal choice in Section - III.
8. Part-A & B should be given at the beginning of the exam only.

Marks : 30

PART-A

Time : 2 Hrs.

Section - I

Note : 1. Answer ALL the questions.

2. Each question carries '1' mark.

4 × 1 = 4

1. What is Free body diagram ?
2. Explain "Biodegradable"
3. Why you have to use roller to pull a suitcase ?
4. What is a friction ? How many types of frictions are there ?

P.T.O

Section - II

Note : 1. Answer ALL the questions.

2. Each question carries 2 Marks.

$$5 \times 2 = 10$$

5. How can you differentiate between a contact force and a force at a distance?
6. Why do tools meant for cutting always have sharp edges?
7. Explain why sportsmen use shoes with spikes?
8. Why do birds and fishes have special shapes?
9. Thermoplastics are eco-friendly than thermosetting plastics. What do you say? Why?

Section - III

Note : 1. Answer ALL the questions.

2. Each question carries '4' marks.

$$4 \times 4 = 16$$

10. Write an activity to measure the Limiting force that can be born by a string.

(OR)

Draw a freebody diagram on an inclined plane and show various forces acting on a body which is sliding on an inclined plane.

11. If plastic is not properly disposed, what could be the consequences?

Identify whether given plastic material is thermoplastic or thermosetting plastic by using flame test ?

12. Do you agree with the statement "Friction is both a friend and an evil"? Explain with example.

(OR)

Imagine that friction has disappeared from the earth what will happen? Explain.

13. Design and conduct experiment to test few ways how friction may be reduced.

(OR)

Classify the material as biodegradable and non-biodegradable. i) Paper
ii) Wood iii) Metals iv) Plastic container.

Regd. No. **S-41-B**Marks : **MIDTERM EXAMINATIONS (2018 - 19)****PHYSICAL SCIENCES**

(English Medium)

Part - B

Class : VIII]

(Marks : 10)

Time : 30 min.

Name of the Student : Roll No.:

Note : 1. Answer all the questions in Part-B.

2. Each question carries equal marks.

$$20 \times \frac{1}{2} = 10M$$

1. Which one of these is a force at distance. []

A) Normal Force

B) Gravitational Force

C) Magnetic Force

D) Frictional Force

2. Like poles of magnet each other. []

A) Attract

B) Repel

C) Both

D) None of these

3. The unit of force is []

A) Metre

B) Km

C) Kilogram weight

D) None

4. is not a natural fibre. []

A) Cotton

B) Silk

C) Wool

D) Nylon


5. Rayon is prepared by []

A) Coal

B) Oxygen

C) Fibre

D) Cellulose

6. The symbol  represents []

A) PET

B) HDPE

C) LDPE

D) Others

P.T.O

7. The full form of PVC is []
A) Poly vinyl chloride B) Phenyl vinyl chloride
C) Poly vinyl chlorate D) Poly vinyl chloric acid
8. Which one of these is not a contact force []
A) Muscular force B) Friction
C) Normal force D) Magnetic force
9. A force can change of a body. []
A) Shape B) Direction
C) Speed D) All the above
10. Friction produces []
A) Light B) Sound C) Heat D) None of these
11. The frictional force exerted by fluids is called []
A) Rolling friction B) Sliding friction
C) Drag D) Normal force
12. A push or a pull is called []
A) Force B) Friction C) Acceleration D) Velocity
13. A person is pulling water from well. Which type of force is it? []
A) Muscular force B) Magnetic force
C) Frictional force D) Electrostatic force
14. is called fake fur []
A) Polyester B) Nylon
C) Acrylic D) Rayon

15. The friction, which is least among all frictions ? []
A) Static Friction B) Sliding Friction
C) Rolling Friction D) Drag
16. and are called fluids. []
A) liquid, gases B) solid, liquids
C) solid, gases D) None
17. Which of the following is Non-Biodegradable. []
A) Paper B) Wood
C) Cotton-Cloth D) Metals
18. contain Carbon, Oxygen and Nitrogen. []
A) Polyester B) PVC C) Polythene D) Polyamids
19. Which of the statement is correct. []
A) Static friction > Sliding friction > Rolling friction
B) Sliding friction > Rolling friction > Static friction
C) Rolling friction > Static friction > Sliding friction
D) None of the above
20. is used in making parachuts. []
A) Rayon B) Nylon
C) Plastic D) Silk
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