

HOLIDAY HOME WORK – 2017

CLASS: IX. A & B

ENGLISH PAPER – 1 [LANGUAGE]

- a.) Write an essay describing the last Sports Day in your school. You should detail the happenings of the entire day and also mention why the day remains etched in your memory.
- b.) Write a letter to your friend about the increasing pollution in your city of joy.

CHEMISTRY:

- a.) PAGE-4. ADDITIONAL QUESTION – Questions: NO-1,2,3,4,5,6,8
- b.) PAGE -52 Questions: NO-4 SUB PART-1,2,3,4,5,6,7,8,9

BIOLOGY

- a.) Learn the chapter pollination and fertilization thoroughly. Class assignment after vacation.

HISTORY & CIVICS

- a.) Discuss the composition of the Electoral Collage for appointing President of India.
- b.) Write short notes on:
 - (i) General Elections. (ii) Appointment of EC & CEC. (iii) Scrutiny of Nomination Papers for Elections.
 - (iv) By- Elections
- c.) Give the differences between Direct and Indirect Elections.

MATHEMATICS

- a.) Page (67)---Example 17,18,19,20
- b.) Page (68)--17 to 21,27,29,31
- c.) Page (70)---Example 6,7,8,9
- d.) Page (74)--(Exercise 3.2)--11 to 15 and 30
- e.) Page (80) -- (Exercise 4.1)--6,7,8.(Exercise 4.2)--9,10,11 (Exercise 4.3)--10,11,13,15

PHYSICS:

Exercise 1A, 2A, 2B, 2C, 3A and 3B including numerical to be done.

Additional questions are also given for practice:

1. A book is at rest on top of a table. Which of the following is correct?
 - A. There is no force acting on the book.
 - B. The book has no inertia.
 - C. There is no force acting on the table.
 - D. The book is in equilibrium.
 - E. The inertia of the book is equal to the inertia of the table.
2. The property of a moving object to continue moving is what Galileo called
 - A. velocity.
 - B. speed.
 - C. acceleration.
 - D. inertia.
 - E. direction.
3. According to Newton's First Law of Motion,
 - A. an object in motion eventually comes to a halt.
 - B. an object at rest eventually begins to move.
 - C. an object in motion moves in a parabolic trajectory unless acted upon by a net force.
 - D. an object at rest always remains at rest.
 - E. an object at rest remains at rest unless acted upon by a net force.
4. If an object is moving, then the magnitude of its _____ cannot be zero.
 - A. speed
 - B. velocity
 - C. acceleration
 - D. A and B
 - E. A, B, and C
5. A car initially at rest accelerates in a straight line at 3 m/s^2 . What will be its speed after 2 seconds?
 - A. 0 m/s
 - B. 5 m/s
 - C. 3 m/s
 - D. 6 m/s

- E. 2 m/s
6. A body in free fall in a vacuum
- A. will drop the same distance during each second of its fall.
 - B. will have the same average speed during each second of its fall.
 - C. will have a constant velocity during each second of its fall.
 - D. will not be accelerated during its fall.
 - E. will have the same acceleration during each second of its fall.
7. A bowling ball at a height of 36 meters above the ground is falling vertically at a rate of 12 meters per second. Which of these best describes its fate?
- A. It will hit the ground in exactly three seconds at a speed of 12 m/s.
 - B. It will hit the ground in less than three seconds at a speed greater than 12 m/s.
 - C. It will hit the ground in more than three seconds at a speed less than 12 m/s.
 - D. It will hit the ground in less than three seconds at a speed less than 12 m/s.
 - E. It will hit the ground in more than three seconds at a speed greater than 12 m/s.
8. The speedometer in your car tells you the ____ of your car.
- A. acceleration
 - B. average speed
 - C. instantaneous speed
 - D. velocity
 - E. inertia
9. To report the ____ of an object, we must specify both its speed and its direction .
- A. acceleration
 - B. mass
 - C. velocity
 - D. length
 - E. position
10. A ball is thrown horizontally with a speed of 25 m/s from the top of a tower 20 meters high. Assuming level ground below and negligible air resistance, what will be the magnitude of the vertical velocity component when the ball hits the ground?
- A. 25 m/s
 - B. 15 m/s
 - C. 20 m/s
 - D. 50 m/s
 - E. 10 m/s

Question 1

Question: Inertia is _____

- 1. a property of matter
- 2. a type of force
- 3. the speed of an object
- 4. none of the above

Question 2

Question: A and B are two objects with masses 100 kg and 75 kg respectively, then _____.

- 1. both will have the same inertia
- 2. B will have more inertia
- 3. A will have more inertia
- 4. both will have less inertia

Question 3

Question: The resultant of balanced forces is _____

- 1. non zero
- 2. equal to zero
- 3. not equal to zero
- 4. equal to the acceleration produced in the body

Question 4

Question: The physical quantity, which is the measure of inertia, is _____

1. density
2. weight
3. force
4. mass

Question 5

Question: The sparks produced during sharpening of a knife against a grinding wheel leaves the rim of the wheel tangentially. This is due to _____

1. inertia of rest
2. inertia of motion
3. inertia of direction
4. force applied

Question 6

Question: The law that gives a qualitative definition of force is _____

1. Newton's second law of motion
2. Law of inertia
3. Newton's third law of motion
4. Law of gravitation

Question 7

Question: The S.I. unit of force is _____

1. erg
2. joule
3. newton
4. dyne

Question 8

Question: When a force of 1N acts on a mass of 1kg that is free to move, the object moves with _____

1. a speed of 1 m/s
2. a speed of 1 km/s
3. an acceleration 10 m/s^2
4. an acceleration of 1 m/s^2

Question 9

Question: What is the force acting on an object of mass 10 kg moving with a uniform velocity of 10 m/s ?

1. 100 N
2. 10 N
3. 0
4. 1 N

Question 10

Question: The acceleration in a body is due to

1. balanced force
2. unbalanced force
3. mass
4. electrostatic force

ART

PAPER : ANY TYPE

PAPER SIZE: 35 CM / 25 CM

DRAW 2 STILL LIFE STUDY AND ANY 2 NATURESTUDY PICTURES FROM THESE AND COMPLETE WITH WATER COLOUR .

