

Maheshwari public School, Ajmer.

Class Test —II; Session: 2018-19

Class VIII; Subject-Science

Time Allowed: 40 Min.

Maximum Marks: 20

General Instructions:

- All 9 questions in this paper are compulsory. However some internal choices are provided.
- Marks are indicated against each question.

Q. 1 Name any four of the following: ½ x4=2

- A push or pull acting on an object.
- Force caused by the presence of a magnet.
- Force acting per unit area.
- A non-contact force.
- A force which opposes motion.

Q. 2 Correct any four of the incorrect statements by changing the highlighted words: ½ x4=2

- Gravitational force, muscular force and electrostatic force are examples of **non-contact forces**.
- Air pressure **increases** as descend heights.
- Force per unit area is called **density**.
- When more than one force is applied in the same direction, they add together to produce a large effect in the **opposite direction**.
- Pressure in liquids **decreases** with depth.

Q. 3 Unscramble any four of the underlined words in the following sentences: ½ x4=2

- Reproductive life of a woman lasts from hacreemn to spauoemen.
- The development of a caterpillar to an adult butterfly is termed as poommertaissh.
- The overgrowth of sumselc in xalnry leads to the hoarse voice in adolescent bo
- Dannaliere helps the body to adjust and fight the stress.
- Bertupy marks the beginning of reproductive period.

Q. 4 Match any four of the following: ½ x4=2

- | | |
|------------------------|-------------------------|
| (a) Thyroid gland | (i) HIV |
| (b) Sex determination | (ii) Thyroxine |
| (c) Changes at puberty | (iii) Sex chromosomes |
| (d) Voice change | (iv) Increase in height |
| (e) AIDS | (v) Larynx enlarges |

Q.5 Fill in the blanks in the given passage. ½ x4=2

If the force applied on the object is in the direction of its motion, the speed of the object _____

If the force is applied in the direction opposite to the direction of _____ of an object then it results in a _____ in the speed of the object. The state of _____ is considered to be the state of zero speed.

Q. 6 Choose the correct answer for any four of the following: ½ x4=2

- Which force do you use to lift your school bag?
(i) Frictional force (iii) Muscular force
(ii) Gravitational force (iv) Electrostatic force

(b). Which of the following is not an example of contact force?

- (i) Muscular force
- (ii) Magnetic force
- (iii) Mechanical force
- (iv) Frictional force

(c). The force that exists between two heavenly bodies is

- (i) Magnetic force
- (ii) Frictional force
- (iii) Electrostatic force
- (iv) Gravitational force

(d). If the area of contact is larger, the pressure is:

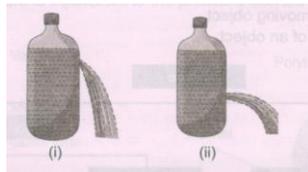
- (i) More
- (ii) Can be more or less
- (iii) The same
- (iv) Lesser

(e) Pressing a rubber ball placed on a table with hand can change

- (i) State of motion
- (ii) Mass
- (iii) Its shape
- (iv) Speed

Q. 7. Avinash took two similar bottles filled with water. He then punched a hole in each bottle at different heights as shown in the figures.

Is the force through which water comes out from each bottle same? Justify.



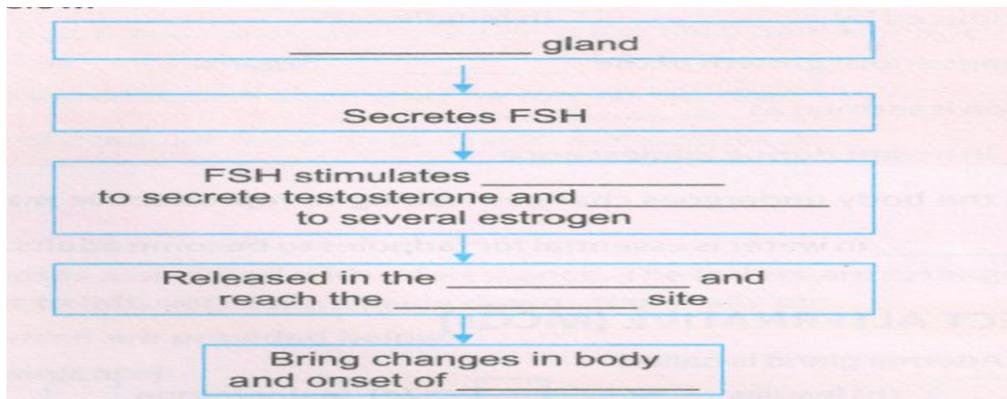
OR

The balloon shown here is filled with water. Ashish wants to make a hole in the balloon so that water comes out with maximum pressure.

At which point should he make the hole? Give reason to support your answer.



Q. 8 Complete the flow chart:



Q. 9 Fill in the blank circles and identify the sex of child A and child B.

