



# St. Xavier's Sr. Sec. School

Delhi-54

Class 8  
16-5-2015

Formative Assessment I in SCIENCE

Time : 1 hr.  
M. Marks : 20

## PHYSICS (M. Marks : 07; Time : 20 mts.)

1. What are the four main effects of force? (1)
2. Differentiate between contact and noncontact forces with an example for each. (1)
3. Define friction. Give an example. (1)
4. Why can a magnet act from a distance? (1)
5. What is pressure? What does pressure depends on? (1)
6. Write the S.I units of  
(i) force (ii) pressure (iii) distance (iv) mass. (1)
7. Why are caterpillar tracks used in battle tanks instead of tyres? (1)

## CHEMISTRY (M. Marks : 07; Time : 20 mts.)

1. Give one use of nylon. Also state the property which makes it useful for this purpose.  
( $\frac{1}{2} + \frac{1}{2}$ )
2. Name the following:  
a) Fibre that can be used as a substitute of wool.  
b) Plastic used as a non-stick coating on the utensils. (1/2+1/2)
3. a) Give two examples each:  
i) mixed fibre ii) natural fibres  
b) Name the raw material used for preparation of polyester.  
c) Define the word polymer. (1+1/2+1/2)
4. Give reasons for the following:  
a) Rayon is called artificial silk.  
b) Synthetic fibres should not be worn in the kitchen. (1+1)
5. How is rayon prepared in the industrial plants? (1)

## BIOLOGY (M. Marks : 06; Time : 20 mts.)

1. Name the following:- (1/2+1/2)  
a) A group of structural and functional similar cells. \_\_\_\_\_  
b) A part that is enclosed within its own membrane inside a cell and has a particular function. \_\_\_\_\_



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2. What do you mean by the term protoplasm? (1)
3. What part of the cell can be called as BRAIN of the cell and why? (1)
4. What are called as building blocks of life? Why are they called so? (1)
5. State any two differences between unicellular and multicellular organisms. (2)

-X-X-X-X-X-X-