

Ankit.M  
VIII - C

**ANDHRA EDUCATION SOCIETY SCHOOLS**

NEW DELHI

SUMMATIVE ASSESSMENT-I (2016-17)

CLASS - VIII

SUBJECT - SCIENCE

Time : 2:30 Hrs.

Max Marks : 60

(I) Answer the following?

5 x 1 = 15 M

1. ✓ What are petro-chemicals? *Raw materials used for making dig. n. oil*
2. ✓ What is metamorphosis? *Transformation of larvae in frog or insect*
3. ✓ Define electrostatic force? *Force exerted by charged body*
4. ✓ Name the special shape given to objects moving in fluid? *Streamlined*
5. ✓ Which is less? *Sliding friction* or static friction?

II. Answer the following in short

(11 x 2 = 22M)

1. ✓ What are weeds? How can we control them?
2. ✓ Define the following terms? A) Crop rotation b) Sowing
3. ✓ Give examples which indicate that nylon fibres are very strong?
4. ✓ Give reasons why water is not used to control fires involving electric equipment? *Water is good conductor of electricity*
5. ✓ Explain how CO<sub>2</sub> is able to control fires? *It cuts off supply of O<sub>2</sub> to fire*
6. ✓ Differentiate between oviparous and viviparous animals?
7. ✓ Name the hormones secreted by following endocrine glands?  
*Thyroid, Pancreas, Adrenal gland and Pituitary gland*
8. ✓ Write a short note on Adam's apple? *Growth hormone*
9. ✓ A black smith hammers a hot piece of iron while making a tool. How does the force due to hammering affect the piece of iron?
10. ✓ Give two examples of situations in which applied force causes a change in the shape of an object?
11. ✓ Explain why sportsman use shoes with spikes? *To increase friction*
12. ✓ Mention two differences between a zygote and a foetus?

III. Answer any six of the following questions

(6 x 3 = 18M)

1. ✓ Make a labelled diagram of candle flame
2. ✓ Cells are basic structural units of living organisms? Explain?
3. ✓ Explain the differences between the thermoplastic and

PTO

thermosetting plastics?

4. ✓ What are sex hormones? Why are they named so? State their functions?
5. ✓ Name the forces acting on the plastic bucket containing water above ground level in your hand. Discuss why the forces acting on the bucket do not bring change in its state of motion.
6. ✓ Give examples to show that friction is a friend?
7. ✓ Make sketch of human nerve cell. What functions do nerve cell perform?

IV. Answer any three of these following essay type questions

(3 x 5 = 15M)

1. ✓ What is irrigation? Describe two methods of irrigation which conserve water. (1+2+2M)
2. ✓ Make sketches of animal and plant cell. State two differences between them? (3+2M)
3. ✓ Define asexual reproduction. Describe two methods of asexual reproduction in animals. (1+2+2M)
4. ✓ List changes in the body that take place at puberty? (1+2+2M)

I

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Ans 3) The force exerted by charged body over uncharged body is called electrostatic force

II

Ans 9) force due to hammering the piece of iron change the shape and size of the piece of iron