



# St. Joseph's School, Maharajganj

## Summer Vacation's Home work 2019-20

### Class- 9 Science

1. Explain in brief fourth and fifth state of matter.
2. Write the name and formulas of 25 chemical compounds.
3. Elucidate with picture the alternate sources of energy.
4. Write the structures of cell opened what are their functions (Draw a diagram also).
5. Write name and unit of ten physical quantity.

### S.st

1. Answer the following question.
  - (a) What is the difference between multiple cropping and modern farming method?
2. Learn all the names of states and their capitals.
3. Prepare the first 3 maps in the text book?

### English

1. Learn lesson 1 & 2.
2. Learn Poem 1 & 2.
3. Making use of all the Preposition write your own sentences.
4. Learn Supplementary 1 & 2.
5. Learn 50 new words and their meanings. And use them in your sentences.

**Note:- Prepare for the Basic English Grammar Test.**

### Maths

1. Draw the figure of following regular polygon and measure each angle.
 

(a) Pentagon	(b) Hexagon	(c) Octagon
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2. Covert 136 km/h into m/s.
3. Convert 900m/s into km/h.
4. Write and learn table from 11 to 20.
5. If area of a surface is 10,000 cm<sup>2</sup> then convert it into hectare.
6. Derived heron's formula to calculate the area of triangle.
7. Draw the figure of following and shade it with different colours to showing face, edges and core.
 

(a) Cube	(b) Cuboid	(c) Cylinder	(d) Hollow Cylinder	(e) Cone
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8. Write the short note on the following mathematician:-
 

(a) Heron	(b) Euclid	(c) Dedkind	(d) Pythagoras
(e) John Nappier	(f) Newton	(g) Farradey	(h) Maxwell
(i) Aryabhata I	(j) Ramanejan	(k) Sri Dharacharya	(l) Abudul Kalam
9. Draw a square root spiral.

### Hindi

- 1- अपने पाठ्य पुस्तक 'क्षितिज' में पढ़ाए गए सभी पाठों में शब्दार्थों को लिखकर याद करें।
- 2- इस जल प्रलय में पाठ के आधार पर किसी प्राकृतिक आपदा का वर्णन कीजिए।
- 3- अवकाश के दिनों में स्वयं द्वारा किए गए किसी यात्रा वर्णन अपने शब्दों में कीजिए। (1000 शब्द)
- 4- मानव जीवन में वनों का महत्व " विन्दु पर एक निबंध लिखिए।
- 5- अपने पाठ्य पुस्तक 'क्षितिज' एवं 'कृतिका' के सभी पाठों का नाम एवं उनके रचनाकारों का नाम लिखकर याद कीजिए।
- 6- पर्यावरण प्रदूषण से संबंधित एक कविता लिखकर याद कीजिए।
- 7- कबीर दास, ललधद, प्रेमचंद राहुल सांकृत्यायन के सभी रचनाओं एवं भाषाशैली को लिखकर याद करें।

### Computer

1. Learn unit -3 -4 and make 50 mcq from unit 5 and unit-6.

**Note: – School Re – opens on 24.06.2019**

**Time – 07:30 am. – 12:30 pm**