VIDYA VIHAR RESIDENTIAL SCHOOL
Parora, Purnea (Bihar)

Class – 9
HOLIDAY HOMEWORK FOR PUJA VACATION

Computer Science | Mr. Anurag Kumar

- Complete all the exercises of chapter VIII.

ENGLISH | Mr. C.K. Jha

1. Chapter: Direct and Indirect speech (Grammar – Wren & Martin)
Attempt all the questions given under –
Exercise no. 104 to 107.

2. Write one page daily (all students of section B, C and D)

ENGLISH | Mrs. Rita Mishra

Textbook: Beehive
Lesson: Packing by Jerome K. Jerome
Thinking about the text :

1. Question No. I, (1 to 10)

Thinking about language:

2. Question No. I & II

Textbook: Supplementary Reader
Read the following story

1. The lost child
2. The Adventure of Toto

HISTORY| Mrs. NP

1. Describe Stalin's collectivisation programme.
2. In what way was the working population in Russia different from other countries in Europe, before 1917?
3. What was Guillotine? How was it used?
4. What types of freedom were granted to the citizens of France after French revolution?
5. What was the role of middle class in ending the privileges?

6. What was triangular slave trade? What legislative measures were taken to end slavery in French colonies?
7. Describe the ideas of different socialists regarding private property.
8. Discuss the global influence of USSR.
9. Write a note on Napoleon Bonaparte.
10. Explain the period reign of terror.

Civics| Miss. NP

1. What is the process of nomination of a candidate to contest election?
2. Explain the functions of election commission.
3. Write some of the successful slogans used by different political parties in India.
4. Describe the importance of outcome of election in India.
5. Give an example of a country although having a democratic system are not practicing democracy.
6. How was a new constitution of south Africa formed?
7. What are the functions of a constitution?
8. What is the importance of electoral competition?
9. What is the difference between a voter and a candidate?
10. Explain the dirty tricks used by PRI to win elections in Mexico.

GEOGRAPHY | Mr. AJY

Topic: Undertake a project titled "A comprehensive analysis of natural hazards and disaster management (with special reference to a specific hazards)"

Math |Mr. T.B.K

1. If P$(x) = x^3 + x^2 - 9x - 9$ $find\ P(-3), P(3)$
2. Factorize 150- $6x^2$
3. A coin is tossed 500 times and we get heads: 285 times and tails: 215 times. When a coin is tossed at random, what is the probability of getting
(i) a head? (ii) a tail?
4. Find two different solutions of $2x - 3y = 6$
5. If $x = 3k + 2\ and\ y = 2k - 1\ is\ a\ solution\ of\ the\ equation\ 4x - 3y + 1 = 0, find\ the\ value\ of\ k.$
6. Using the remainder theorem, find the remainder when
$p(x) is\ divided\ by\ g(x) where\ P(x) = x^3 - ax^2 + 6x - a, g(x) = x - a$
7. Factorise $(\mathrm{a} - \mathrm{b})^3 + (\mathrm{b} - \mathrm{c})^3 + (\mathrm{c} - \mathrm{a})^3$
8. The table given below shows the marks obtained by 30 students in a test.

Marks	1-10	11-20	21-30	31-40	41-50
No. Of Students	7	10	6	4	3

Out of these students, one is chosen at random. What is the probability that the marks of the chosen student
(i) are 30 or less (ii) are 31 or more (iii) lie is the interval 21-30
9. Find the area of the triangle whose sides are 42 cm, 34 cm and 20 cm in length.

10. The curved surface area of a cylinder is 1210 cm^2 and its diameter is 20 cm. Find its height and volume.

11. The sides of a quadrilateral ABCD taken in order are 6cm, 8cm, 12cm and 14 cm respectively and the angle between the first two sides is a right angle. Find its area. (given $\sqrt{6} = 2.45$)

12. The difference between the semi perimeter and the sides of a $\Delta\, ABC$ are 8cm, 7cm and 5cm respectively. Find the area of the triangle.

13. A classroom is 10m long, 6.4m wide and 5m high. If each student be given 1.6m^2 of the floor area, how many students can be accommodated is the room? How many cubic metres of air would each student get?

14. If V is the volume of a cuboid of dimensions a, b, c and s is its surface area then prove that $\frac{1}{V} = \frac{2}{S}(\frac{1}{a} + \frac{1}{b} + \frac{1}{c)}$

15. If 1cm^3 of cast iron weights 21 g, find the weight of a cast iron pipe of length 1m with a bore of 3cm in which the thickness of the metal is 1 cm.

Chemistry | Mr. Lalan Kumar

Make a Modern Periodic Table of the Elements on a big size chart paper.

Note - Please paste two chart paper together, make it attractive by using colours.

Physics| Mr. BK

1. Page – 143 Ex. – Q No. 1 to 22.
2. Archimedes principle.
3. Page – 128 Q No. 1 to 16.

Note: Solved in separate copy or Project file of Holiday H. W.

Biology |Mr. Sudip Chakraborty & Mr. Arvind Nath Thakur

1. Draw a figure showing common methods of transmission of diseases.
2. Write a brief note on ozone layer.
3. Draw nitrogen cycle in nature.
4. Draw a well labelled diagram of Neuron cell.

हिंदी | डॉ. आलोक पांडेय, चंद्रकांत "नागमणि"

1. हिंदी की चर्चित दस लघुकथाएं लिखकर लाइये।
2. दस उत्कृष्ट देशभक्ति की कविताएं लिखकर याद करना है।
3. दीपावली के महत्व और उसकी वैज्ञानिकता पर प्रकाश डालिये ?
4. जनसंख्या विस्फोट को स्पष्ट करते हुए उससे उत्पन्न हुई समस्यों और उसके समाधान पर प्रकाश डालिये ?
5. अलंकार की परिभाषा देते हुए अर्थालंकार के सभी भेदों के 20 -20 उदाहरण दीजिए ?

संस्कृत | श्री गोपाल झा

1. पाठ्यक्रमानुसार निम्नलिखित शब्दों के रूप सभी विभक्तियों एवं वचनों में लिखकर याद करें |

(क) अकारान्त - बालक (पुँ.)

(ख) ईकारान्त - मुनि (पुँ.)

(ग) आकारान्त - लता (स्त्री.)

(घ) ईकारान्त - नदी (स्त्री.)

(ङ) अकारान्त - फल (नपुं.)

(च) इकारान्त - वारि (नपुं.)

(छ) तत् , किम् (तीनों लिंगों में)

(ज) एक से चार तक की संख्या (तीनों लिंगों में)

2. निम्नलिखित परस्मैपदी धातुओं के रूप लट्, लृट्, लड्., लोट् एवं विधिलिङ्. लकारों में लिखकर याद करें

क) अस् ख) भू ग) पठ्

3. आत्मनेपदी धातु -

क) सेव् (लट्, लड्. एवं लृट् में)

ख) लभ् (लट्, लड्. एवं लृट् में)|