RSM PUBLIC SCHOOL, SUPAUL

Summer Vacation Assignment-2022

Class- 7th

Subject- Computer

1. What is Operating System. Name any two functions performed by operating system.
2. What is Computer Language. State it's types.
3. Differentiate between Compiler and Interpreter.
4. Convert the following binary numbers to their equivalent decimal form.
   I. 111110
   II. 110001
   III. 1010011
   IV. 11101011

5. Complete the table of HOTS from Chapter-1.

Subject- English

1. Daily one page writing.
2. Exe 1,2 of working with Language of Lesson No-1 - Three Questions.
3. Do Page No 34, 35 (Poem- The Rebel).
4. Make a colourful project on any topic of Grammar or any Poem or any lesson of your Text Book.
5. Remember all the answers of taught lessons.
6. Remember all the word meanings of taught lessons.
   (Note:- Make a separate notebook for Summer Vacation Homework.)

Subject- Science

1. **Answer the following questions:-**
   (i) What are saprotrophs?
   (ii) What are autotrophs?
   (iii) Distinguish between a parasite and a saprotroph.
   (iv) Why insectivorous plants feed on insects?
   (v) What is digestion?
   (vi) What do you mean by tooth decay?
   (vii) What is rumination?
   (viii) How would you test the presence of starch in a slice of Potato?
2. Make a model of human digestive system using thermocol or cardboard.
3. Draw labelled diagram to show various steps of nutrition in amoeba on chart paper.
4. Memorise all question answer of Chapter 1 and 2.

Subject- Social Science
[Geography]

1. Man modifies his environment. (Give reasons)
2. How are extrusive and intrusive rocks formed?
3. We cannot go to the centre of the earth. (Give reasons)
4. Imagine an ideal environment where you love to live. Draw the picture of your ideal environment and explain about its importance. (Project work)

5. What were some of the major religious developments during this period?
6. In what ways has the meaning of the term "Hindustan" changed over the centuries?
7. What were the activities associated with Chola temples?

[Civics]

8. What do you understand by the term "all persons are equal before the law"? Why do you think it is important in a democracy?
9. 'Improvement in water and sanitation can control many diseases.' Explain with the help of examples.
10. Do the project work about epidemic "Corona Virus".

विषयः– हिन्दी

1. निम्नलिखित काव्य–पंक्तियों को पढ़कर पूछे गए प्रश्नों के उत्तर दीजिएः–
   हम बहता जल पीनेवाले मर जाएँगे भूखे–प्यासे, कही भली है कटुक–निबौरी कनक–कटोरी की मैदा से।

   i.   ये पंक्तियाँ किस कविता से ली गई हैं?
   ii. इन पंक्तियों की रचना किसने की हैं?
   iii. कटुक और कनक के अर्थ लिखिए।
2. दादी माँ पाठ के लेखक कौन हैं?
3. नदियों को माँ मानने की परंपरा हमारे यहाँ पुरानी है, लेकिन लेखक नागार्जुन उन्हें और किन रूपों में देखते हैं?
4. हिन्दी व्याकरण और रचनाः–
   i.   वर्ण के कितने भेद होते हैं? सोदाहरण लिखें।
   ii. भाषा के रूपों को सोदाहरण लिखें।
5. बल महाभारत कथाः–
   i.   देवव्रत का नाम भीष्म कैसे पड़ा।
   ii. पांडु के पुत्र किस नाम से जाने जाते थे?
6. परियोजना कार्यः–
   कठपुतली कविता का सचित्र वर्णन करें।

विषयः– संस्कृतम्

1. प्रथमः पाठः (सुभाषितानि) तथा द्वितीय पाठः (दुर्बुद्धिविनश्यति) तथा तृतीय पाठः (स्वावलम्बनम्) का प्रश्नोत्तर करें।
2. बालक तथा लता शष्दरूप याद करें
3. पठ् धातु , लट् लकार का रूप याद करें।
4. सुभाषितानि के शष्दार्थ को लिखें।
5. नद्याः एकं सुन्दरं चित्रं निर्माणीय वर्णयत यत् तस्याः तीरे मनुष्याः पशवः खगाश्च निर्विघ्नं जलं पिबन्ति।
   (परियोजना कार्यम्)

MATHEMATICS

1. A plane is flying at the height of 5000m above the sea-level. At a particular point, it is exactly above the submarine floating 1200m below the sea-level. What is the vertical distance between them.
2. Use the sign of >, < or = in the box.
   a. $- 8 + (-4)$ ☐ $- 5 + 5$
   b. $6 – 3 + (-2)$ ☐ $- 3 – (-5) + 8$
   c. $- 5 + (-5) + 10$ ☐ $4 – (-3) + 2$
   d. $8 – 3 + (-4)$ ☐ $-5 – (-2) – 4$
   e. $3 – (-2) + 5$ ☐ $3 – (-3) + 0$

3. Write a pair of integers whose sum gives
   a. A negative integer.

   b. An integer smaller than both the integers.

   c. Zero.

4. Find each of the following products
   a. 9 x (-3) x (-6)
   b. -15 x 0 x (-6)
   c. -1 x (225)

5. Find the product, using suitable properties.
   i.   625 x (-35) + (-625) x65
   ii.   -41 x (102)
   iii. -17 x (-29)

6. Evaluate each of the following:
   a. [(-6) + 5] ÷ [(-2) +1]
   b. 13 ÷ [(-2) +1]

7. Verify that a ÷ (b + c) ≠ (a ÷ b) + (a ÷ c) for the following value of a, b & c
   a = (-10) , b = 1 & c = 1.

8. An elevator descends into a mine-shaft at the rate of 6m/min. If the descent starts from 10m above the ground level how long will it take to reach 350m.

9. Arrange in descending order.
   $\frac{1}{5}, \frac{3}{7}, \frac{7}{10}, \frac{5}{2}$

10. Solve the following.
    i.   (7/10) + (-2/5) + (1/2)
    ii. $2\frac{2}{3} + (3\frac{1}{2}) - 2/3$

I.   <u>Project work</u>
      Front page design. (Mathematics)

II.   Maths working Model on Multiplication.

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