D.T.E.A. SR. SEC. SCHOOL, MOTI BAGH
HOLIDAY HOMEWORK- 2017
CLASS IX
ENGLISH

I Answer the following Questions in a sentence or two:

1. Why was Margie surprised?
2. What did Margie not know about?
3. What does special building refer to ?
4. Why was Margie longing for schools long time back?
5. Where was Margie's classroom situated ?
6. Why did the County Inspector come to Margie 's house ?
7. How was the mechanical teacher corrected ?
8. Why were the words in the real book seemed to be funny to Tommy and Margie ?
9. Why did Tommy say the real book to be a waste ?
10. How did the pages of the real book appear to be ?
11. Why did Tommy and Margie not throw their books ?
12. How different was the words and phrases in Margie 's books ?

II Answer the following in 30-40 words:

1. How did Tommy describe the old kind of teachers ?
2. Why was Margie dissatisfied with her school ?
3. Why did Margie object to a human teacher ?
4. How were the earlier schools better than Margie's school ?
5. What disappointed Margie and why ?
6. Why did Margie think, kids must have loved the old kind of schools ?

III Answer the following in 40-50 words :

1. In the story "The Lost Child", what fascinated the boy in the mustard fields and what did he do ?
2. How was the child's condition after he got separated from his parents ?
3. The child wanted to have many things. Then why did he lose all his interest in those things ?
4. How did the child reason himself against all the temptations of the fair ?Why ?
5. Why did the lost child go to the temple ? What did he find there ?

IV Rearrange the words and phrases in the following sentences to form meaningful sentences.

1. Many/has/rising//advantages/early
2. Our/beginning/a/good/day/gives/it/to
3. Body/in/mind/our/early/fresh/morning/the/and/are
4. is a/catches/early/bird/the worm/proverb/there

V   Bring out your ideas for controlling pollution in Delhi through neat drawing in a drawing sheet and write a suitable slogan in English so that your idea could reach the people without much trouble in understanding it.

VI   write a paragraph in brief about the ways and means of protecting ourselves from the scorching summer heat.

VII Draw a character sketch of the Emperor of Lilliput.

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SCIENCE

PHYSICS AND CHEMISTRY

1. Do all exercise questions from NCERT book of chapter motion and matter in our surroundings .
2. Make a project on the matter around your home. Tabulate the solid, liquid and gas on separate project sheet.
3. Draw a velocity versus time graph of a stone thrown vertically upward and then coming downwards after attaining the maximum height.
4. Learn all the question answers from your classwork notebook.
   ### BIOLOGY
5. Draw various cells from the human body and write about 5 lines each.
6. Draw and label the difference between plant and animal cell.
7. How does amoeba obtain its food draw and explained them.
8. Draw and label the parts of various types of simple tissues.

SOCIAL SCIENCE

1. Prepare a detailed report on the topic – GREEN REVOLUTION Write the Merits and Demerits.

2. Make a collage using pictures that depict any natural disaster, on an A3 size sheet.

3. Write about the benefits of the Nationalization of Indian rivers.

4. Read and write all the question and answers done in the class work.

5. Mark the States and the adjacent countries of India in an India map.

6. In a chart, write the difference between the Urban centers and Rural centers of India.

MATHS

1. Write four rational numbers between   a) $\frac{-2}{9}$ and $\frac{4}{9}$ b) $\frac{1}{2}$ and $\frac{3}{4}$ c) $\frac{5}{7}$ and $\frac{7}{8}$

2. Write in decimal form: a) $\frac{3}{20}$ b) $\frac{5}{6}$

3. Write the following in the form of $\frac{p}{q}$, q≠ 0.

   a) 0.75   b) 0.6   c) $0.\overline{45}$ d) $0.\overline{4}$

4. Rationalise the denominator.

   a) $\frac{1}{2\sqrt{10}}$ b) $\frac{1}{\sqrt{5}+\sqrt{10}}$ c) $\frac{\sqrt{5}-2}{\sqrt{5}+2}$

5. Evaluate:

   a) $64^{2/3}$ b) $625^{-1/4}$ c) $12^{3/2}$ X $12^{-5/2}$ d)$72^{1/2} \div 2^{1/2}$

6. p(x) = $2x^5$ + $3x^2$ – 3x -2. Check whether **1**, -1, 2 and -2 are the zeroes of p(x).

7. Find the zeroes of the polynomials:

   a) p(x) = x + 2   b) p(y) = 2y – 3   c) p(x) = x $-\frac{2}{3}$

8. Find the value of k if q(x) is a factor of p(x) in each of the following:

   a) p(x) = x^3 – kx^2 + 11x – 6   q(x) = x-1

   b) p(x) = $2x^3$ + kx +6   q(x) = x+2

9. Find the remainder when p(x) = $4x^3$ – $3x^2$ + 2x – 4 is divided by   a) x+1   b) x-3.

10. Find the product using identities: a) $(2x+3y)^3$ b) $(5x-4y+3z)^2$

11. Evaluate using identities: a) 97 X 103   b) 102 X 99   c) 105^3

12. Simplify: a) $(2 + \sqrt{3})$ X $(2 - \sqrt{3})$ b) $(5+\sqrt{6})$ X $(4 + \sqrt{6})$

13. Factorise: a) x^2 – 5x + 24   b) $4x^2$ + 8x + 3   c) $2x^2$ – 3x – 2

    d) $8x^3$ - $125y^3$ e) a^2 + b^2 + $4c^2$ + 2ab - 4bc – 4ca   f) x^3 – $23x^2$ + 142x – 120

14. Represent the following on the number line.

      a) $\sqrt{2}$ b) $\sqrt{3}$ c) $\sqrt{5}$ d) $\sqrt{3.8}$ e) $\sqrt{5.3}$

      f) 3.456 (successive magnification method)

      g) $2.\overline{14}$ upto three places of decimal (successive magnification method)

15. Plot the following sets of points on a graph-

    a) A(-3,-1)   B(2,-1)   C(4,2)   D(-1,2)

    b) A(0,-1)   B(5,-1)   C(5,2)   D(0,2)

    c) A(-2,-2)   B(2,-2)   C(2,2)   D(-2,2)

    Name the shape obtained by joining AB,BC,CD &DA and find the area of ABCD in each case.

16. Learn and write all the algebraic identities.

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தமிழ்

1. தினமும் செய்தித்தாள் படிக்கவும்.

2. அறிக்கைகள்

உனது பள்ளியில் நடைபெற்ற

★விளையாட்டு விழா

★ அறிவியல் கண்காட்சி

★ நூலகத் திறப்புவிழா

★ சுதந்திரதினவிழா

ஆகியவை குறித்து அறிக்கை எழுதி வரவும்.

3. கடிதங்கள்

உனது பகுதிக்கு,

★சாலை வசதி வேண்டி,

★ பேருந்து வசதி வேண்டி

★ குடிநீர் வசதி வேண்டி

மாநகராட்சி ஆணையருக்குக் கடிதம் எழுதுக.

உனது முகவரி: கம்பன்/கனகம் , 22, காந்தி தெரு, நெல்லை. எனக் கொள்க.

★ அனைத்தும், தமிழ் ஏட்டிலேயே எழுதப்பட்டிருக்க வேண்டும்.

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HINDI

प्रश्न – 1   अपनी पाठ्य पस्तक "स्पर्श" का पाठ - 1 (धलू) और पद्य भाग से"रैदासके पद" के प्रश्न उत्तर याद करें।

प्रश्न - 2   पाठ्य पस्तक "संचयन" का पाठ - 1 "गगल्ल" के प्रश्न उत्तर याद करें।

प्रश्न - 3   महादेवीवमाशकी जीवनी और उसकी एक कहानी पस्स्तका मेंललखें।

प्रश्न - 4   वर्श ववच्छेदकी दोहराई 2 बार करें।(कम सेकम 40 ईब्दों में)

प्रश्न - 5   ववज्ञापन तैयारकीस्जये। उदाहरर् - ड्रेसका ववज्ञापन, र्िम्प का ववज्ञापन, तेलका ववज्ञापन, साबन् का ववज्ञापन।

प्रश्न - 6   अनस्वार, अननालसक के 30 - 30 ईब्द पस्स्तका मेंललखें।

प्रश्न - 7   कोई 5 अनच्छेद, 5 पत्र 1 बार ललखें।

प्रश्न - 8   पररयोजना कायश

(क)   पाठ - धलू

(ववलभन्न प्रकार की लमटटी के नाम और उनकी ववर्ेषताएं)

पाठ -

(ख)   गगल्ल ॖ

(आवारा पर्ओॖुको होनेवाली समस्याएं)

नोट :-

1. **छुट्टियों का काययअलग पस्तिकाॖ मेंकरें।**

2. **प्रश्न - 8 का कायय हॖ ि ंॖ दी अभ्यासकी पस्तिकाॖ में करें|**

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