

Holiday's Homework
Class 9th

Subject : English

Section-A(Literature)

- 1.Revise chapters
 - *Gulliver in Lilliput -I
 - *Gulliver in Lilliput-II
- 2.Revise Poems
 - *Beauty
 - *The Road Not Taken

Section-B(Writing skills)

- 3.Paragraph writing on
 - *Preservation of wildlife
 - *Importance of music
 - *Beauty
4. Essay writing
 - *Evils of Dowry system
 - *Environmental Pollution
5. Letter writing
 - *letter to the editor about frequent electric cuts in your locality.
 - *letter to the editor about child labour.
6. Write 30 rearrange the jumble words and write 30 sentences using articles.
7. Project work
 - *Write the biography of any poet on A-4 sheet .
 - *Recall your the saddest /happiest moment of your life and write a brief account on it.

Subject : Phy/Chem

1. Learn two question/answers of unit -1 & unit-2 chapter 'Is matter around us pure' daily & then write on separate notebook. Mention date & day along with parents' signature.
2. PROJECT WORK

- A) Prepare a working model of lungs by using plastic bottle
- B) Make a 'Vacuum Cleaner' using plastic bottle
- C) Prepare a colorful chart of Indian Scientists & their inventions. Paste their pics also.

Subject : Biology

1. Draw diagrams of organelles in Scrapbook and Label it .Mention date and day along with parents' signatures.
2. PROJECT WORK

- A) Prepare colourful chart of Animal/ Plant tissues
- B)Prepare a colorful chart of 5 Scientists & their inventions in the field of biology. Paste their pictures.

(हिंदी- भाग क)

1: पाठ 4,5, और 6 याद करें।

2: पाठ में से गद्यांश / पद्यांश छांटकर उसके कम से कम पांच प्रश्न बनाए और उनका उत्तर लिखें।

हिंदी -(भाग ख)

1: (निबंध)

1. शिक्षा में खेलों का महत्व,

2. महंगाई की समस्या ,3. दीपावली ,4. मेरे जीवन का लक्ष्य ,5. दहेज प्रथा ,6. राष्ट्रीय पर्व।

2: (पत्र / प्रार्थना पत्र) 1. समय का महत्व बताते हुए अपने छोटे भाई को पत्र लिखें ।2. कुसंगति से बचने के लिए अपने छोटे भाई को पत्र लिखें ।3. पुस्तकें मंगवाने के लिए पुस्तक विक्रेता को पत्र लिखें ।4. प्रमाण पत्र लेने के लिए अपनी मुख्य अध्यापिका जी को प्रार्थना पत्र लिखें।

3: (व्याकरण)

50 मुहावरे लिखें, 30 पर्यायवाची, 20 संधि 20 संधि विच्छेद।

4: (परियोजना कार्य)

संवाद लेखन कोरोनावायरस पर दो मित्रों के बीच हुए संवाद को लिखिए।

Sub: Maths

1. Represent $\sqrt{10}$ on the number line.

2. Find decimal expansions of $10/3, 7/9$ and $1/6$.

3. Find 5 rational numbers between -3 and 1.

4. Show that $0.7777 = 0.\overline{7}$ can be expressed in the form of p/q .

5. Find three irrational numbers between $1/7$ and $1/3$.

6. Check whether $7\sqrt{3}, 5/\sqrt{2}, \sqrt{2}+7, \pi+4$ are irrational or not.

7. Add $2\sqrt{2}+5$ and $3\sqrt{2}+4$.

8. Multiply $6\sqrt{7}$ and $3\sqrt{8}$.

9. Divide $8\sqrt{15}$ by $2\sqrt{15}$.

10. Rationalise the denominator of $3/(\sqrt{2}+\sqrt{7})$.

11. Find the value of the polynomial $7y - y^2 + 5$ at $y = -1$.

12. Find the remainder when $x^3 + 3x^2 + 3x + 1$ is divided by x .

13. Factorise: $(x - 1)(x + 1) - 2y(x + 1)$.

14. Factorise the following by splitting the middle term:

$6x^2 - x - 2$

15. Resolve into factors: $36x^2 - 81y^2$.

16. Find the value of 'a' if $(x - 2)$ is a factor of $p(x) = x^2 - 3x + 5a$.

17. Find the remainder when $p(x) = 4x^4 - 3x^3 - 2x^2 + x - 7$ is divided by $2x - 1$.

18. Verify whether $x = 2/\sqrt{3}$ is a zero of polynomial $p(x) = 3x^2 - 1$.

19. Factorise $6x^2 + 5x - 6$.

20. Using suitable identities to find the following products:

a) $(x - 2)(x - 2)$

b) $(1 - 9x)(1 + 9x)$

c) $(5x - 2)(5x + 2)$

d) $(x^2 - 1/2)(x^2 + 1/2)$

21. Evaluate the following products without multiplying directly:

a) 103×106

b) 209×198

22. Factorise the following using appropriate identities:

a) $a^2 - (b-c)^2$

b) $49a^2 + 70ab + 25b^2$

c) $25p^2 - 36q^2$

d) $4a^2 + 4a + 1 - 4b^2$

23. Expand, using suitable identities:

a) $(3a + 4b + 5c)^2$

b) $4x^2 + 4xy + y^2$

c) $(-\frac{1}{2}a - \frac{1}{2}b + 1)^2$

24. Factorise $p^2 + q^2 + r^2 + 2pq + 2pr + 2qr$.

25. Write the cubes in expanded form:

a) $(5p - 3q)^3$

b) $(3a - \frac{1}{a})^2$

> PROJECT WORK:

a) Representation of $\sqrt{2}, \sqrt{3}, \sqrt{4}, \sqrt{6}, \sqrt{7}, \sqrt{8}$ on number line.

b) Types of triangle.

> Practice all the chapters done in the class.

SUBJECT - Social Science

1. Prepare a project file on any one natural disaster and one human induced disaster (HID).

The project should include the following:

- Minimum 8 pages
- Clear and coloured picture
- Helping guidelines post disaster.
- Your opinion on how to control HID.

2. Prepare "My own Atlas" on the following topics

i, PHYSICAL MAP - 1

a, Tropic of Cancer

b, Standard Meridian

c, North Pole and South Pole

ii, PHYSICAL MAP-2

a, Neighbouring countries

b, Islands

iii, POLITICAL MAP-1

a, States with capitals

b, Union territories