Holiday Homework: Class-VIII

Important Instructions:

- ➢ *The holiday homework will be assessed as internal assessment.*
- ➢ *All the home assignments provided through WhatsApp must be completed.*

English

Your holiday homework this year is a fine blend of all the aspects of the language. It has been designed to ensure that you learn with fun.

1. THE READING ACTIVITY: Given below is a list of books. Choose any two of them (Ideally, you must choose one from each genre) and read for pleasure. If you don't find these books you my select any books from the given genre and read them. After you complete reading, write a book review of any two books. Design an interesting and colourful book jacket too giving it the form of a real book. Stick your book review inside the book jacket.

    Few links from the given genre are as under for your reference:

    a. The Harry Potter series : http://pdfcorner.com/free-download-harry-potter-series-pdf-book-by-j-k-rowlings/

    b. Captain Cool: https://alipdfverza-sui.firebaseapp.com/17-theodora-spencer-1/9788184955231-m-s-dhoni-captain-cool-jaico-cricketwallah-serie-ebook.pdf

    c. The Hounds of Baskerville: https://www.planetebook.com/free-ebooks/the-hound-of-the-baskervilles.pdf

    d. Journey to the centre of the earth : https://freeditorial.com/en/books/a-journey-to-the-centre-of-the-earth , https://freeclassicebooks.com/Jules%20Verne/Jules%20Verne%20-%20English/A%20Journey%20to%20the%20Centre%20of%20the%20Earth.pdf

    e. The Hitchhiker's Guide to the Galaxy: https://www.cubahora.cu/uploads/documento/2018/11/19/adams-douglas-the-hitchhikers-guide-to-the-galaxy.pdf

    f. Collection of 22 short stories by Arvind Gupta : http://www.coursexercices.com/PDF_Cours_Exercices_Telecharger.php?q=funny+english+short+stories+pdf

    g. The Shiva Trilogy: https://www.authoramish.com/shiva-trilogy-download/

	Genre	Books
	Fiction	1. The Hunger Games- Suzanne Collins 2. Percy Jackson series or Kane Chronicles (The Red Pyramid)-Rick Riordian 3. The Harry Potter series – JK Rowling 4. The Room on the Roof – Ruskin Bond 5. Doctor Thorne-Anthony Trollope 6. Indian Summer- Alex Von 7. Wings of Fire – A P J Abdul Kalam
	Autobiography	8. The Test of My Life – Yuvraj Singh 9. Open – Andrew Agassi 10. Captain Cool: M S Dhoni
	Thrillers	11. Hounds of Baskervilles- Sir Arthur Conan Doyle 12. The Spy Who Came in from the Cold - John le Carré (Penguin Modern Classics) 13. Billionaire Boy - David Walliams 14. Any one of the short stories by Agatha Christie
	Science Fiction	15. I, Robot – Issac Asimov 16. Journey to the centre of the earth- Jules Verne
	The Classics	17. Pride and Prejudice by Jane Austen (Wordsworth Classics) 18. Oliver Twist by Charles Dickens (Penguin Classics) 19. Wuthering Heights by Emily Brontë (Wordsworth Classics) 20. Tom Sawyer – Mark Twain
	Comedies	21. The Hitchhiker's Guide to the Galaxy by Douglas Adams (Gollancz) 22. The Secret Diary of Adrian Mole Aged 13 ¾ by Sue Townsend (Penguin) 23. Thank You, Jeeves by P G Wodehouse (Arrow)
	Short stories	24. The Collected Stories of Katherine Mansfield (Wordsworth Editions) 25. Short stories-Guy de Maupassant 26. Collection of 22 short stories – Arvind Gupta (PDF available on internet) 27. Short stories of Rabindranath Tagore
	Indian Writers	28. The Shiva Trilogy- Amish Tripathi 29. Interpreter of Maladies- JhumpaLahiri 30. You Can Win – Shiv Khera 31.The Immortals of Meluha – Amish Tripathi

2. Write a short funny/moral giving poetry/story on an A4 / chart paper sheet on any of the topics of your interest and draw/paste attractive picture/s to add to its beauty.

3. Using the link: https://www.englishclub.com/vocabulary/coronavirus-covid19.php?sb explore the COVID 19 terminologies and prepare an informative chart on 'A-Z of Covid-19'. Make use of your creativity to design a beautiful cover for your dictionary.

4. Lockdown days have been really hard to pass. Students are stuck at home. This can have an impact on them and writing about it might help express their innermost feelings. With the title **'Lockdown Moods'**, write an essay on the impact in the life of a normal individual, the changes in routine, compulsion of staying at home and the advantages & disadvantages from your point of view as a child. You may make it creative and informative by drawing/pasting supporting pictures. Use ¼ of a chart paper/a drawing sheet.

5. Make a small notebook/a diary your personal diary. Cover it and decorate it as well as you do to the most favourite thing of yours. Give your diary a cute/funny name as you name your friend/pets. Write a page of the everyday events of your daily life in the diary. Draw/paste pictures to make the entry memorable. Follow the format.

Note: It's a part of internal assessment. So, it has to be done diligently and must be produced when asked for submission.

हिंदी

१) महाभारत के कोई दो पात्रों के विषय में लिखिए जिनसे आप प्रेरित हैं | दो पात्र में एक स्त्री तथा एक पुरुष पात्र होना चाहिए|

२) कोई एक कविता या कहानी लिखिए जिनमें आपके सपनों का वर्णन हो जिसका शीर्षक "मेरा सपना" या "मेरा लक्ष्य" होगा|

३) तीन अलग-अलग सुविचार का बुकमार्क बनाइए|

४) मीराबाई और सूरदास के दो-दो पद को लिखते हुए कलात्मक ढंग से प्रस्तुत कीजिए |

५) मुंशी प्रेमचन्द्र के कोई दो उपन्यास पढ़िए और उसका सारांश लिखिए तथा कलात्मक ढंग से बुकजैकट में प्रस्तुत कीजिए |

६) ONLINE HOME ASSIMENTS का अभ्यास कीजिए |

संस्कृत

प्रश्न 1. छात्र-प्रतिज्ञा (संस्कृत) शुद्ध व स्वच्छ रूप में लिखकर याद करें।

https://youtu.be/5qdEtLDR9mA

प्रश्न 2. संस्कृत में अपना संक्षिप्त परिचय लिखिये।

प्रश्न 3. संस्कृत में कोई दो श्लोक (पीयूष-बिंदवः)का सस्वर वाचन करते हुए वीडियो बनाइये।

प्रश्न 4. एक से चार तक संख्यावाची शब्दों को लिंग के अनुसार लिखकर चित्र निर्माण कीजिये।

प्रश्न 5.(i) असमद्(उभयलिंग), युष्मद्(उभयलिंग) तत्(पुल्लिंग, स्त्रीलिंग, नपुंसकलिंग) शब्दरूप लिखकर याद करें।

(ii) नम् धातु का धातुरूप लट्लकार, लृट्लकार, लंगलकार, लोट्लकर तथा विधिलिंगलकार में लिखें।

Mathematics

The homework problems are separated into Levels 1 and 2. The Level 1 problems address basic concepts. The Level 2 problems are more challenging, but can be solved using the concepts covered in class. Both the Level 1 & Level 2 problems are compulsory. Please attempt all the Level 2 problems even if you cannot solve all of them. I will be correcting the holiday homework immediately after you return to school.

Level 1 Problems (Basic concept revision)

1. Prime factorise the number 1176

2. Find the LCM of these numbers: 300, 200 and 750

3. Find the HCF of these numbers: 2520, 1260 and 2100

4. A tank contains 10,000 litres of water when full. It begins to leak.

After the first day half of the water is lost. After the second day half of the remainder is lost. After the third day half of the remainder from the second day is lost. This continues, losing half of the remainder from the previous day. At the end of 5 days the leak is discovered.

    a) What fraction of the water has been lost?

    b) What fraction of the water remains?

    c) How much water has to be put back into the tank in order to fill it up?

5. A cake is cut up into a number of equal pieces. Alam, Binny, Chirag and Debu take pieces of the cake. Alam has 1/3 of the cake. Binny has ¼ of the cake. Chirag has 1/6 of the cake. Debu now takes one third of the remainder. This leaves two pieces. How many pieces was the cake cut into?

6. Biscuits occupy 7/8 th of the volume of their packet. The remaining 1/8 is unused. It is decided to re-design the packet so that the amount of unused space is reduced by 40%. What fraction of the packet will the biscuits now take up?

7. Convert the following decimals into fractions: 0.125 and 0.7 (7 is recurring)

8. What is the largest multiple of 73 that is less than 2000?

9. A woman begins her work at 10:20 am and estimates that it will take her 5 hours to finish. At what time does she expect to finish?

10. Calculate:
    a. $25.5 \div 0.05$
    b. 0.025×0.04

11. 18% of 50 is what percent of 24?

12. Parul invested ₹2,50,000 in the stock market. In the first year, her money went down by 15%. In the 2nd year, her remaining money went up by 20%. Over the two-year period, what was her

overall percent gain or loss?

13. If 25% of n is 18, then what is 125% of n?

14. Mika can use his juicer to extract 8 ounces of pear juice from 3 pears and 8 ounces of orange juice from 2 oranges. He makes a pear-orange juice blend from an equal number of pears and oranges. What percent of the blend is pear juice?

15. Find the values of:
   (i) $\sqrt{216}$
   (ii) $\frac{1}{2} \times (2^{15})$
   (iii) $(\frac{1}{2})^{-2}$

16. Round:
   a. 1.651 to the nearest tenth
   b. -2712 to the nearest thousand

17. Simplify : $(y^3 - 2y + 1) - (y^2 - 2y + 8)$

18. What expression must be subtracted from $2x - 3y +$ to give $3x + 2$?

19. Calculate the value of $111^2 - 89^2$ using the formula for

   $a^2 - b^2$

20. What is an irrational number?

21. My father's age 5 years ago plus twice my age now gives 65. My age 5 years ago plus three times my father's age now gives 130. What is my father's age?

22. A woman drove from point A to B at 20 km per hour. She returned along the exact same route at 30 km per hour. What was her average speed for the overall trip?

23. 5 men can paint 2 houses in 8 days. How many days would 10 equally productive men need to paint 6 identical houses?

24. A man sells a widget for ₹270 at a loss of 10%. How much would he need to sell it for to make a profit of 25%?

25. I can finish the problems in one chapter of my physics book in 8 hours. Suppose each chapter takes the same time, and there are 30 chapters. How many people working at the same rate as me would it take to finish the book in 24 hours?

Level 2 (more challenging). Attempt all even if you can't solve all of them.

1. Convert the following into a fraction: 0.416 (only the digit 6 recurs)

2. A positive integer is 3 more than a multiple of 4, and 4 more than a multiple of 5. What is the least integer it could be?

3. The four-digit number A55B is divisible by 36. What is the sum of A & B?

4. Is the number $2^2 \times 3^{21}$ perfectly divisible by 6? Is it perfectly divisible by 8?

5. Grapes are 80% water (by weight) and raisins are 20% water (by weight). If we start with 500 grams of grapes and remove enough water to turn them into raisins, then what is the weight of the raisins that results?

6. Express 3^{16} as a power of 1/9

7. A person travels equal distances with speeds of 3 km/hour, 4 km/hour and 5 km / hour and takes a total time of 94 minutes. What is the total distance travelled?

8. Bart is writing on a chalkboard that is initially empty. It ordinarily takes Bart 50 minutes to cover the whole board. Nelson is erasing the board while Bart is writing. Nelson can erase the whole board in 80 minutes by himself. If they work simultaneously, how long will it be until the whole board is covered?

9. Harleen began peeling a pile of 44 potatoes at the rate of 3 potatoes per minute. Four minutes later Chetan joined her and peeled at the rate of 5 potatoes per minute. When they finished, how many potatoes had Chetan peeled?

Some marbles in a bag are red and the rest are blue. If one red marble is removed, then one-seventh of the remaining marbles are red. If two blue marbles are removed instead of one red, then one fifth of the remaining marbles are red. How many marbles were in the bag originally?

Science

1. Choose any topic from ncert book and make a video while teaching it.

2. Make a power point presentation on the steps involved in the crop production.

3. List down the advantages of each of the above mentioned modern implements used nowadays and find out why is there a need to replace the traditional tools with modern agricultural implements.

4. List the plants which can be raised with limited water.

5. Plan a model to: increase the efficiency of any machine or transport,

6. Reduce the global issues, Save energy, solve health issues and agricultural problems, etc.

7. Draw the periodic table and learn the symbols of the elements (upto 20)

8. Draw the nitrogen cycle.

9. Name the bacteria which helps in nitrogen fixing. Where are they found?

Social Science

1. Prepare any one model from the following as per the direction:
   (i)   a model of the earth's interior (for the students from roll no. 1 to 6)
   (ii)   a model of Rift Valley (for the students from roll no. 7 to 12)
   (iii) a model of Waterfall (for the students from roll no. 13 to 19)
   (iv)   a poster on water conservation (for the students from roll no. 20 to 25)
   (i)   a poster on energy conservation (for the students from roll no. 26 to 31)
   (ii)   a poster on air pollution (for the students from roll no. 32 to 35)
   (iii) a poster on water pollution (for the students from roll no. 36 to 42)

2. Prepare a project on the historical monuments of India.

3. List the taxes collected by the government in our country.

4. Download e-book from the link provided, read chapter-1 from the book Social & Political Life & chapter-1 from geography book (Resources) and answer the following questions:

   Link: http://ncert.nic.in/textbook/textbook.htm?iess2=1-4

Resources (Geography):

(i)   Define resource with example.

(ii)   Give a brief classification of resources.

(iii) Distinguish between renewable and non-renewable resources.

(iv)   What do you mean by sustainable development?

(v)   Write the principles of sustainable development.

(vi)   Read chapter 1 & 2 and frame 8 to 10 extra questions from each chapter on your own along with the answers and write in the notebook.

Social and Political Life (Political Science):

(i)   What is a Constitution?

(ii)   Why there is a need of a Constitution for the country?

(iii) What are the specific features of Indian Constitution?

(iv)   Read chapter 1 & 2 and frame 8 to 10 extra questions from each chapter on your own along with the answers and write in the notebook.

Computer

1. Prepare a Power Point Presentation on a topic "Cyber Bullying and Its Preventive Measures".
2. Explore Google Apps and find out Classroom App? How could it be beneficial in online teaching.
3. What is the substitute of Green-Board in online teaching? Explore Google Play Store and list any three popular Apps.
4. What is Alexa? How Alexa is helping us in our daily life?
5. Which Car Driving App will help when you are driving the car?
6. You are a student of Sanskrit. Now write 3 useful URLs which help you in your Sanskrit Studies.
7. ***Nowadays Hacking & Cyberbullying become a common illegal practice in online digital platform e.g. Online Banking, Online Shopping and Online Teaching.*** Now as a student of Bal Bharati how will you protect it from such illegal acts. Point out the precautionary steps while using online digital platform and type/write an essay on it (300-word limit)

ART & CRAFT

ART- Draw any two pencil sketch of your choice and give light & shadow effect

   On them.

   Draw any two simple composition of your choice & colour on them .

   For example – Village scene ,Picnic scene, Playing children, Balloon seller etc.

   Medium for colouring – crayon colour, poster colour , water colour etc.

CRAFT- Make any two craft by using waste plastic bottles or milk powder box or any

   other waste materials.

   Or make any two wall hanging craft for home decor.

   Example- Broom from plastic bottles,

          Newspaper jar (newspaper craft ideas)

          Wall hanging paper flower holder.

   Note- For craft making ideas please see POGO or ART ATTACK TV channel

      Or YouTube.

Music

➢ Learn these Notations/Alankar daily 3 to 5 times

- Sa, Re, Ga, Ma, Pa, Dha, Ni, Sa
  Sa, Ni, Dha, Pa, Ma, Ga, Re, Sa
- SaReGa, ReGaMa, GaMaPa, MaPaDha, PaDhaNi, DhaNiSa
  SaNiDha, NiDhaPa, DhaPaMa, PaMaGa, MaGaRe, GaReSa
- SaReGaMa, ReGaMaPa, GaMaPaDha, MaPaDhaNi, PaDhaNSa
  SaNiDhaPa, NiDhaPaMa, DhaPaMaGa, PaMaGaRe, MaGaReSa
- SaReGaMaPa, ReGaMaPaDha, GaMaPaDhaNi, MaPaDhaNiSa
  SaNiDhaPaMa, NiDhaPaMaGa, DhaPaMaGaRe, PaMaGaReSa
- SaReGaMaPaDha, ReGaMaPaDhaNi, GaMaPaDhaNiSa
  SaNiDhaPaMaGa, NiDhaPaMaGare, DhaPaMaGaReSa

➢ Learn Prayer from your old music notebook:

- Hey Ram……….
- We Shall Over come……
- Guru Vandana………….
- Itni Shakti Hamein Dena Data……
- Teri hai Zameen……………..
- National Anthem…………….
- Lub Pe Aati Hai Dua………..