CLASS VIII HHW (DIPAWALI & CHATT)

Class VIII – English Holiday Homework

1. Prepare a short drama/skit on any one social issue, such as child labour, gender equality, environmental protection, cyberbullying or the importance of education. Include suitable characters, dialogues and a meaningful message.
2. The skit should be original, interesting and convey a strong social message.

Instruction: Write the script in your English classwork copy.

HINDI

1.निम्नलिखित विषय पर (80-100 शब्दों में अनुच्छेद

(क) कृत्रिम बौद्धिकता

* कृत्रिम बौद्धिकता का अर्थ
* अनगिनत लाभ
* सावधानियां

ख) खेलेंगे-कूदेंगे, बनेंगे नवाब

*विभिन्न खेलों से उज्ज्वल भविष्य

*खिलाड़ियों से प्रेरणा

*सरकार व परिवार का योगदान

(ग)यदि मेरे पास रोबोट होता

*रोबोट का बढ़ता चलन

*मेरे जीवन में रोबोट की भूमिका

*प्रयोग में सावधानियाँ

2. ***संवाद लेखन***

क.कक्षा के अनुशासन में सुधार लाने हेतु कक्षा अध्यापक अध्यापिका और कक्षा मॉनिटर के बीच हुई बातचीत को संवाद के रूप में लिखिए।

ख. आठवीं कक्षा में प्रथम आने वाले विद्यार्थी और प्रधानाचार्य के बीच विभाजित को संवाद के रूप में लिखिए।

परियोजना कार्य

समास की परिभाषा भेद उदाहरण सहित a4 साइज पेपर पर। रंगदार रचनात्मक और आकर्षक तरीके से पांच a4 साइज पेपर का उपयोग करते हुए।

संस्कृतम्

1. शब्द रुपाणि लिखत-(तत् **;** किम्) त्रिषु लिंगेषु **?**

2. धातु रूपाणि लिखत-(गम् **;** दृश्) पञ्च लकारेषु **?**

3. पाठ्यपुस्तके प्रदत्तानि पत्राणि संख्या-(**7 &8)** पुरयन्तु **?**

4. पाठ्यपुस्तके प्रदत्तानि चित्राणि संख्या-(**3 & 6)** कृते पञ्च वाक्यानि रचयन्तु **?**

Class - 8

MATHS

SIMPLIFY

1. $(64)^{-1/6} \times (216)^{-1/3} \times (81)^{1/4}(512)^{-1/3} \times (16)^{1/4} \times (9)^{-1/2}$

2. Simplify and express the answer with positive exponent: $[\sqrt[3]{(x^4y)} \times 1/\sqrt[3]{(xy^7)}\,]^{-4}$

3. Evaluate: (i) $3 \times (16)^{3/4}$(ii) $2 \times (27)^{-2/3}$

(iii) $2 \times 9^{3/2} \times 9^{-1/2}$

4. Find the value of $[(5)^2 + (12)^2]^{1/2}$.

5. Find the value of x, if: (i) $2^x + 2^x + 2^x = 192$(ii) $8^{255} = (32)^x$

(iii) $2^{2x+2} = 4^{2x-1}$

6. If $4^x - 4^{x-1} = 24$, then find the value of x.

7. A man had ₹ 75,000. He invested ₹ 35,000 in a company which pays him 9% interest per annum and he invested rest of the money in another company which pays him 9.5%interest per annum. Find the total compound interest received by him after two years.

8. A certain sum of money at compound interest becomes ₹ 7,396 in two years and ₹7,950.70 in three years. Find the rate of interest.

9. Pooja started a business by investing ₹ 2,00,000. During the first three successive years, she earned a profit of 5%, 8% and 12% per annum respectively. If in each year, theprofit was added on the capital at the end of the previous year, calculate her total profit after three years.

10. Mahesh borrowed a certain sum for two years at simple interest from Bhim. Maheshlent this sum to Vishnu at the same rate for two years compound interest. At the end oftwo years, Mahesh received ₹ 410 as compound interest but paid ₹ 400 as simple interest. Find the sum and rate of interest.

11. A man invested ₹ 1,000 for three years at 11% simple interest per annum and ₹ 1,000at 10% compound interest per annum compounded annually for three years. Find which investment is better.

12. M/s Heera Associates let out ₹ 4,00,000 for one year at 16% per annum compoundedannually. How much they could earn if the interest is compounded half-yearly?

SCIENCE

CHEMISTRY

Q1. Physical properties of metals and non-metals

(a) Name the only metal and the only non-metal that are liquid at room temperature.

(b) Name one metal that is soft enough to be cut with a knife and one non-metal that is very hard.

(c) Give reasons: (i) Graphite is a good conductor of electricity though it is a non- metal. (ii) Iodine is lustrous though it is a non-metal.

Q2 Chemical properties of metals and non-metals

(a) What happens when a magnesium ribbon is burnt in air? Write the word equation and the balanced chemical equation.

(b) Why are sodium and potassium kept immersed in kerosene oil? Write the reaction of sodium with water.

(c) What happens when zinc granules are added to dilute hydrochloric acid? Write the balanced equation and name the gas evolved. How will you test this gas?

Q3. Differences and classification

(a) Write any five differences between metals and non-metals in a tabular form (appearance, hardness, conductivity, nature of oxides, melting point, etc.).

(b) Classify the following into metals and non-metals: sodium, sulphur, copper, carbon, iron, oxygen, aluminium, phosphorus.

(c) Which metals are present in the alloys brass, bronze and steel? Write one use of each alloy.

Q4. Reactivity series and displacement reactions

(a) What is the reactivity series of metals? Arrange the following metals in decreasing order of reactivity: copper, zinc, sodium, iron, magnesium, silver.

(b) An iron nail is dipped in copper sulphate solution. Write your observations and the chemical equation for the reaction.

(c) Why can copper not displace zinc from zinc sulphate solution?

Q5. Uses and application based questions

(a) Give reasons: (i) Aluminium foil is used for packing food. (ii) Copper is used for making electric wires. (iii) Gold and silver are used for making jewellery.

(b) Write two uses each of the following non-metals: carbon, sulphur, chlorine and oxygen.

PHYSICS

1.Name the part of the human eye responsible for power of accommodation ? 2.What is the function of pupil on the human eye ?

3.What is the relationship between focal length and radius of curvature in a lens ? 4.Why does a swimming pool appear less deep than it actually is ?

5. With the help of a labeled ray diagram show the formation of image through a glass slab ?

6. What do you mean by dispersion of light ? With the help of ray diagram show the dispersion of sun light through a glass prism ?

7. Explain how rainbow is formed in the nature ?

8. Show the image formation in a convex lens if the object is placed between the focus and the pole .
9. With the help of ray diagram show the formation of image if an object is placed in front of a concave lens.
10 What is myopia? How can it be corrected?

BIOLOGY

Q1. Write down the keywords of the chapter Reaching the Age of Adolescence.
Q 2. Draw four species each of Extinct, Vulnerable, Endangered and Endemic species. Also write down their features in scrapbook.

SOCIAL SCIENCE

History

- Write down the Exercise work of the Chapter Impact of British Rule on India in the notebook.
- Learn the question answer of the Chapter Impact of British rule on India.
- Do the Map skill of the same Chapter on an outline political map of the world.

Geography

- Remember and write the ideal geographical conditions for the production of cotton, jute, tea and coffee regarding climate, temperature, rainfall and soil.
- On an Outline map of World, name and shed the Rice, wheat, cotton and jute producing areas or the country.

COMPUTER

1. Write Full form of
    a. FTP b. HTTP c. HTTPS d. TCP/IP
2. What is web page and a website?
3. What is DNS?
4. Define Protocol.
5. Write 4 differences between HTTP & HTTPS.
6. Write Short note on
    a. URL b. FTP c. TCP/IP
7. What is IP address? Give example of one valid IP address.
8. How web server is different from web client?

Must Do it.

1. Prepare the notes all Completed Chapters in all respects. After opening the school submit all assignments for a check.