

HOLIDAYS HOMEWORK
CLASS VIII Session 2018 - 19

ENGLISH

- Read any five interesting blog posts and paste them in your English notebook.
 - Visit an old-age home and spend few hours there. Write a blog post explaining your thoughts, when you visited the old-age home.
 - Write a letter to the Principal, requesting to change your address, giving the reason. Re-read what you have written and do the corrections.
 - Kindly re-read all the answers in your notebook and do the correction and pending work in the notebook itself.
 - Practice Grammar from Wow and other available resources.
 - Refer the classroom discussions and focus more on the following topics-
 - ✓ Tenses(all)
 - ✓ Question Tags
 - ✓ Modals
 - ✓ Non-finites
 - Read at least 3 story books mentioned in the year book. Out of the three books you have read -Write a summary of any one book, describe major characters of the story read.
- Note- Make sure that you do the work in good handwriting and it is authentic.

HINDI

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर प्रश्नों के उत्तर दीजिए-

“सभी लोगों को पता होता है कि नर शब्द का अर्थ पुरुष होता है। नर और पुरुष दोनों एक शब्द के व्यंजन होते हैं। नर का अर्थ पुरुष होता है लेकिन हम गंभीरता से इस शब्द के बतरे में सोचें तो हमें यह पता चलता है नर शब्द के व्यंजक प्रयोग से पुरुष की विशिष्टता बताई जाती है। पुरुष एक मननशील प्राणी होता है | मनुष्य अपने मानसिक बल के आधार पर बहुत से असंभव कार्यों को भी संभव कर सकता है। जब पुरुष के पुरुषत्व भाव को व्यक्त करना होता है तब नर शब्द को प्रयोग में लाया जाता है। मनुष्य जो भी कार्यों और उद्योग में उन्नति करने की कोशिश करता है वो सब उसके मन के बल पर ही निर्भर करता है। अगर मनुष्य का मन क्रियाशील नहीं रहता है तो उसका मन मर जाता है। नर हो , न निराश करो मन को पंक्ति में उसके अर्थ और भाव -विस्तार का विवेचन करते हैं तो मानव जीवन के पक्ष होते हैं वे अपने आप ही उजागर हो जाते हैं। जब किसी व्यक्ति का मन मर जाता है तो उसके लिए सभी आकर्षण तुच्छ और अर्थरहित हो जाता है। जब तक मनुष्य का मन मरता नहीं है तब तक वह कुछ भी कर सकता है लेकिन जब व्यक्ति का मन मार जाता है तो व्यक्ति भी हार जाता है”

क) 'नर' शब्द का अर्थ क्या होता है तथा यह किस व्यंजन को बताता है?

ख) असंभव कार्य को संभव करने की कसौटी क्या है? 'नर' शब्द किस भाव का सूचक है?

ग) 'नर हो न निराश करो मन को' पंक्ति किस भाव को उजागर करती है?

घ) गद्यांश में आए 'मानसिक शब्द का विपरीतार्थक शब्द लिखें?

ङ) गद्यांश के लिए उपयुक्त शीर्षक दीजिए

जलाते चलो ये दिये स्नेह भर-भर कभी तो धरा का अँधेरा मिटेगा।
जला दीप पहला तुम्हीं ने तिमिर की चुनौती प्रथम बार स्वीकार की थी;
तिमिर की सरित पार करने तुम्हीं ने बना दीप की नाव तैयार की थी।
बहाते चलो नाव तुम वह निरंतर कभी तो तिमिर का किनारा मिलेगा ॥
दिये और तूफान की यह कहानी चली आ रही और चलती रहेगी;
जली जो प्रथम बार लौ दीप की स्वर्ण-सी जल रही और जलती रहेगी।
रहेगा धरा पर दिया एक भी यदि कभी तो निशा को सबेरा मिलेगा ॥

क) कवि किस प्रकार के दिए जलाने को कह रहे हैं और क्यों?

ख) 'तिमिर की सरित' किस प्रकार पार की गयी? किस कहानी के निरंतर चलने का संकेत किया गया है?

ग) प्रथम लौ की क्या विशेषता बताई गई है?

घ) निशा को सबेरा मिलने का क्या अर्थ है?

ङ) निम्नलिखित के दो पर्याय लिखें - तिमिर स्वर्ण दीप नाव

निर्देशानुसार उत्तर दें-

१) रेखांकित शब्दों के लिए 'एक शब्द' का प्रयोग कर वाक्यों को पुनः लिखिए

“आप ईश्वर को मानने वाले हो या ना मानने वाले बस मन साफ़ होना चाहिए। कोई भी ऐसा नहीं जिसका नाथ न हो क्योंकि ईश्वर के समान दूसरा कोई नहीं है। जिनके हृदय में ममता नहीं होती या मांस खाने वाले ये भूल जाते हैं कि उनमें भी जान होती है। जंगल की आग चारों ओर ऐसे फैली की कभी ना मरने वाली चीज़े भी नष्ट हो गई। जो बातें इस लोक की न हो उनपर वक्त जाया नहीं करते। प्रकृति की तुलना किसी से नहीं की जा सकती क्योंकि यही हमें जन्म देने वाली है। मनुष्यों के बुरे विचारों के पार भले ही देखा न जा सके पर उनके कर्मों के पार देखा जा सकता है। छोटे भाई अपने बड़े भाइयों के वही कार्य दोहराते हैं जो अनुकरण करने योग्य हो। ऐसी आदतों का अंत नहीं होता और इन्हें टाला नहीं जा सकता।”

२) उचित विलोम से रिक्त स्थान की पूर्ति कीजिए-

“ जिसके साथ ईश्वर हैं वह अनाथ नहीं _____ है। सदाचारी व्यक्ति _____

होते हैं और _____ व्यक्ति कृतघ्न। आज़ादी का मोल वही जानते हैं जिसने _____ काटी हो। क्षमा अच्छा _____ है और _____ एक दोष है।

३) वाक्यों को शुद्ध करके लिखिए-

→ समाचार पिता जी हैं पढ़

→ बच्चों से गुस्सा करना व्यर्थ है।

→ मैंने ग्रहकार्य नहीं किया।

→ हिंदी की परिक्षा कब है?

- गाय का ताकतवर दूध होता है। → उसे देखकर मेरे आँसू निकल पड़ा।
- गाँव में किसान लोग मेहनत करता हैं। → रानी लक्ष्मी बाई वीर थीं।
- एक चाय का गरम गिलास पीते जाइए। → मुझे एक फूलों की माला चाहिए।

४) अर्थानुसार मुहावरे लगाकर वाक्य फिर से लिखें-

“ प्रत्येक बच्चा अपने माता पिता को बहुत प्यारा होता है। लेकिन ज़िद करके पर उन्हें अपने वश में कर लेता है। उनकी ज़िद पूरी करने के लिए अभिभावक कितने खतरे मोल लेते हैं। पर जब उनकी बात नहीं सुनते तो वह भी उन्हें साफ़ मना कर देते हैं और बहुत क्रोधित होकर उनपर गुस्सा प्रकट करते हैं। पर बच्चे अपने माता पिता के प्रति बहुत सम्मान प्रकट करते हैं”

प्रश्न ३) पार्सल गुम हो जाने की शिकायत करते हुए क्षेत्र के 'डाकपाल' को पत्र लिखिए

प्रश्न ४) 'किताब' और 'कंप्यूटर' के बीच अपने अपने महत्त्व को बताते हुए होने वाले सम्भावित संवादों को लिखिए

प्रश्न ५) उत्तर पुस्तिका की त्रुटियों का सुधार कार्य प्रत्येक पेज के अंत में करें

MATHEMATICS

1. Find out the distance of all planets from sun. Then find out their scientific notation and exponential forms (school notebook only). Find out distance from various sources like internet or from Social Science books.
2. Neha did a Math magic with her friend Sita. She asked her to think a two digit number. Then she asked her to add the digits of the number and multiply the sum by 5. She asked her to add 5 to the product and multiply the result by 2. Then she asked her to divide the result by 10 and to subtract sum of the digits from this number. She told that the number left is
Can you help understand how?

SCIENCE

All Holidays Homework will be done in SUBJECT NOTEBOOK only.

No Separate notebooks will be made for Holidays Homework.

A. Visit an agricultural field in any city and collect the following information along with relevant pictures:

1. Agricultural implements used
2. Type of vegetation
3. Type of soil
4. Methods of irrigation used
5. Samples of manures/ fertilizers
6. Dried samples of seeds/ leaves.

B. Complete the Assignments for the chapters covered in April/May.

SOCIAL SCIENCE

Prepare a detailed report under the following heads and write about the future of Poly House Farming in India.

1. Introduction of poly house farming.
2. Variety of crops.
3. Conditional factors of farming.
4. Advantages

Paste relevant pictures to make it attractive. (In subject notebook only)

ART & CRAFT

Do any of the following artwork on a canvas of any size out of A2, A3, A4, A5.

- 3-D Art
- Abstract Art
- Modern Art
- Doodle Art
- Spray Painting

- a. Don't use oil colours, water colours, water colour pencils or any kind of sketch pens.
- b. Use only fabric colours or acrylic colours.
- c. Detailing of the painting is required and to be done by a thin permanent marker or OHP.

Make a beautiful bookmark by using paints or craft. Also, write a quotation on "Education" on your bookmark

ASSIGNMENTS

SCIENCE

ASSIGNMENT – 1 CROP PRODUCTION

SECTION A

- Q1. UN has declared 2014 as International Year of-
a) Biodiversity b) Peace c) Family Farming d) Chemistry
- Q2. Which of the following is grouped under cereals?
a) pineapple b) bajra c) peach d) tomato
- Q3. Which of the following is not a rabi crop?
a) wheat b) rice c) pea d) soya bean
- Q4. Which of the following is used to scare away birds in fields?
a) scarecrow b) rifle c) tree d) bow and arrow
- Q5. Which of the following is not a method of irrigation?
a) Furrow b) sprinkler c) canals d) nursery
- Q6. Give one word for the following:
a) Chemical compounds used to increase soil fertility.
b) Leaving the field to rest for one season after harvesting one crop.
c) Raising the crop by providing organic manure and applying biological control.
d) Over flooding the field causing accumulation of water for long.
e) Animals that attack and damage crops.

SECTION B

- Q7. Why is it necessary to plough the land before sowing seeds?
- Q8. Name the basic steps in the preparation of the soil.
- Q9. What do you mean by crop rotation? Why should it be recommended to the farmers?
- Q10. What are the various safety measures used for storing the grains for longer time.
- Q11. Why is drip irrigation the best method of watering plants?
- Q12. Draw a schematic flowchart listing out the various agricultural practices in sequential order.
- Q13. How is excessive irrigation harmful to the crops?
- Q14. What do you mean by nitrogen fixation?
- Q15. What makes leguminous plants capable of fixing atmospheric nitrogen?

SECTION C

Think and answer:

- Q16. Ravi's grandfather, a farmer in Shivalik village, sows cotton and groundnut crops together on the same field and always gets excellent yields of both. What do you think could be the reason for sowing them together?
- Q17. In a farm there was a big pond with variety of fish. In a last couple of years it was found that the number of fish was reduced to one fourth. While checking it was observed that algae growth was increased and oxygen level got reduced. What could be the probable reason?
- Q19. As we are progressing as a nation new schools are opening in rural areas and literacy rate is rising. But once educated most of the young people leave the village and prefer to settle in towns. Discuss the impact.

WHAT IS FAMILY FARMING?

Family farming includes all family-based agricultural activities, and it is linked to several areas of rural development. Family farming is a means of organizing agricultural, forestry, fisheries, pastoral and aquaculture production which is managed and operated by a family and predominantly reliant on family labour, including both women's and men's.

ASSIGNMENT – 2 : CELL - STRUCTURE AND FUNCTION

SECTION A

- Q1. Which of the following is the unicellular organism?
a) grasshopper b) insect c) mosquito d) amoeba
- Q2. The organelle which is absent in animal cell is
a) mitochondria b) chloroplast c) nucleus d) ribosomes
- Q3. Which of the following separates the nucleus from the cytoplasm?
a) nuclear membrane b) plasma membrane c) nucleoid d) nucleoplasm
- Q4. Which of the following have cells without cell walls?
a) human b) algae c) plants d) bacteria
- Q5. Which is the longest cell in human body?
a) nerve cell b) muscle cell c) xylem cell d) phloem cell
- Q6. Which of these organisms has no definite shape?
a) Amoeba b) paramecium c) euglena d) bacteria

SECTION B

- Q7. What are the building blocks of life? Why are they so called?
- Q8. What do you mean by protoplasm?
- Q9. Why are lysosomes also called as “suicidal bags” ?
- Q10. What is the difference between a prokaryotic and eukaryotic cell?
- Q11. Suggest an activity to study plant and an animal cell.
- Q12. What is the importance of chloroplast in plant cells?
- Q13. What is cell wall made up of and state its function.
- Q14. How does nucleus help in transmission of characters from parents to children?

SECTION C

Higher Order Thinking Skills

- Q15. Why do plants need a cell wall?
- Q16. A cell requires water, minerals and other nutrients to survive. It is covered with a membrane. How do these things reach inside the cell ?
- Q17. Which organism is more efficient in functioning- unicellular or multi-cellular organisms? Why?
- Q18. a) Chromosomes are called Heredity Vehicles. Why?
b) Where are chromosomes found in a cell? State their function
- Q19. Why plasma membrane is called selectively permeable membrane? AN

ASSIGNMENT 3 : MATERIALS: METALS AND NON METALS

SECTION A

- Q1. GOLD normally occurs in nature
a) in free state b) as carbonate ore c) as sulphate ore d) sulphide ore
- Q2. Which one of the following alloys is light and strong?
a) brass b) stainless steel c) duralium d) bronze
- Q3. Metals react with oxygen to form
a) acidic oxides b) basic oxides c) either acidic or basic d) no reaction
- Q4. The metal most used in the construction industry-
a) Fe b) Cu c) Al d) Zn
- Q5. Of these, the least dense metal is-
a) Hg b) Au c) Cu d) Na

- Q6. Give reasons for the following:
- Gold and platinum are expensive.
 - Sodium is stored in kerosene.
 - Graphite is used to make electrodes.

SECTION B

- Q7. How will you show that Al is more reactive than Fe?
- Q8. What are alloys? How they are helpful?
- Q9. A metal was burnt in air. The substance formed was dissolved in water and tested with blue and red litmus paper. What result do you expect?
- Q10. State whether a displacement reaction will occur if the following are mixed. Give equations for the following:
- Copper sulphate and zinc
 - copper sulphate and iron
 - zinc sulphate and copper
 - zinc sulphate and iron
 - iron sulphate and zinc
 - iron sulphate and copper
- Q11. What are noble elements? Why they are used to make ornaments?
- Q12. What happens when iron reacts with oxygen and water? Give the chemical reaction involved.
- Q13. Which non metal can be said to be the backbone of the electronics industry?

SECTION C

Think and answer:

- Q14. It has been noticed that silverware becomes black faster today than it did fifty years ago. What can be the reason for this?
- Q15. Imagine gold is reactive. Would you crave for it then? Why or why not?
- Q 16. We use immersion rods for heating water, what is it made up of? Why?
- Q 17. Students of class VIII had a task of making a bell, different groups used different material (wood / metal/ non-metal/ Plastic). Which group do you think was successful in making a bell that sounded loudest?
- Q18. (a)A student passes sulphur dioxide in water. Represent this by a chemical reaction. (b)Rohan made an electric circuit using copper wire, battery, bulb and a coal piece. On testing, he observed that the bulb did not glow. What is the problem with the circuit? (c)You must have observed green coating on copper vessels. What does that indicate? Write the chemical composition of this green coating.

ASSIGNMENT – 4: Force and Pressure

- Q1. The force exerted by one object on another by virtue of their masses is
- Magnetic force
 - electrostatic force
 - gravitational force
 - frictional force
- Q2. Atmospheric pressure is measured with the help of a
- Manometer
 - thermometer
 - barometer
 - calorimeter
- Q3. A body will float on water, if the weight of the body
- Exceeds the force exerted by water.
 - Is lesser than the force exerted by water.
 - Is equal to the force exerted by water.
 - None of these.
- Q4. Atmospheric pressure _____ with the altitude.
- Increases
 - decreases
 - remains same
- Q5. What will be the pressure when a 30N force is applied on an area of 120 cm²?
- $2.5 \times 10^3 \text{ N/m}^2$
 - $2.5 \times 10^2 \text{ N/m}^2$
 - $5 \times 10^3 \text{ N/m}^2$
 - $5 \times 10^4 \text{ N/m}^2$

- Q6. How does the pressure gets affected if:
- Area is doubled keeping the force constant?
 - Force is doubled keeping the area constant?
- Q7. Mr. Mehta took his two daughters Myra and Sia to the shopping mall for buying bags. Myra selected a pink bag with broad straps whereas Sia liked a neon blue bag with thin straps. After using them for a couple of days, one of them complained of shoulder pain.
- Who would it be?
 - What could be the reason of her shoulder pain?
- Q8. Rohit went to a trip of Leh- Laddakh with his family. He was asthmatic and felt great difficulty in breathing, his nose also started to bleed after a day?
- What triggered this condition?
 - What should be done to make sure he feels better?
 - If you have to plan a trip to such a place what precautions would you take?
- Q9. Give reasons for the following:
- The bases of taller buildings are made broader.
 - A knot tied with jute thread not slip easily, as compared to silk thread.
- Q10. Explain why deep sea-divers have to wear specially designed suits?
- Q11. When you drink a soft drink with the help of a straw pipe, what forces the liquid up through the straw?
- Q12. You want to lift a heavy box. The force of gravity pulls it downwards with 500N.
- How much force will you have to apply to lift the box?
 - If your friend supports the box from below with a force of 270N. How much force will you have to apply to lift the box?
- Q13. A force F acts on an area of 600 cm^2 and produces a pressure of 12500 Pa . Calculate the magnitude of force (F).

ASSIGNMENT – 5 SYNTHETIC FIBRES AND PLASTICS

SECTION A

- Q1. Which of these is a fibre derived from chemicals?
- rayon
 - cotton
 - nylon
 - silk
- Q2. Which of these plastics is a polymer?
- polystyrene
 - Bakelite
 - polythene
 - all of these
- Q3. Which of these is used for coating in non-stick pan?
- PVC
 - formica
 - polythene
 - teflon
- Q4. Which of the following is an example of thermoplastic?
- melamine
 - bakelite
 - formica
 - polythene
- Q5. Terrywool is a
- synthetic fibre
 - blended fibre
 - natural fibre
 - both a and b
- Q6. Give one word for the following:
- Synthetic fibre used to make strong ropes.
 - Manmade fibre having silky texture
 - A natural fibre that burns with the smell of burning hair
 - The long chain like molecule from small molecules

SECTION B

- Q7. List two disadvantages of synthetic fibres. Why melamine is used for making kitchenware and fabrics which resist fire?
- U
- Q8. Differentiate between thermoplastics and thermosetting plastics. Give two examples of each.

- Q10. Give the important characteristics and uses of the following:
Polythene, nylon, rayon, PVC
- Q11. How can you test different fibres by burning them?
- Q12. List the environmental problems generated by plastics.
- Q13. Give reasons- Rayon is a synthetic fibre though it is obtained from natural source (wood-pulp).

SECTION C

Think and answer:

- Q14. In the recent Railway fire incidents it was found that in AC coaches the curtains, sponges used for cushioning seats, seat covers added to the expansion of fire.
- a) What could have been the material used leading to spread of fire.
- b) Find out what measures Railway Ministry is taking now to make amends in the situation.
- Q15. PVC pipes are used widespread with varied usage in various fields. It is economical and durable. Yet there is a concern today about their increasing use. State three reasons for these concerns.

