HOLIDAYS HOMEWORK
CLASS VII Session 2018 - 19

ENGLISH

Make a presentation on any recent sports event. It can be of the cricket or Commonwealth Games, do some research, you can include photos and newspaper cuttings and prepare it in your notebook.

Re-read all the questions and answers of the chapters done and complete the pending and the correction work.

Grammar: WOW

Refer the classroom discussions and practice the exercises from the book.

- Clauses
- Determiners
- Nouns, infinitives, gerunds, participles (done in MCB also, refer while doing it in Wow book)

Read the stories mentioned in the year book for grade VII and write the summary of the same. (Any 1)

Write a report to be published on the school board regarding the event held in the month of May, for the celebration of Earth Day. Include the activities performed and mention the motive for performing the event

HINDI

प्रश्न1) प्रतिदिन समाचार -पत्र पढ़िए और रूचि अनुसार लेख अथवा कहानियां सुन्दर व स्वच्छ शब्दों में लिखिए|

प्रश्न2)१ से १०० तक हिंदी में गिनती (अंको तथा शब्दों) में लिखिए|

प्रश्न3) दैनिक जीवन में प्रयोग आने वाली किन्हीं भी दो वस्तुओं के लिए हिंदी में विज्ञापन का निर्माण कीजिए।

प्रश्न4)प्रतिदिन की दिनचर्या में होने वाला अच्छे व बुरे अनुभव के बारे में लिखिए |

प्रश्न5)सफलता प्राप्त करने के लिए हमें क्या-क्या प्रयत्न करने होते है?उदाहरण देते हुए इस विषय पर अपने विचार प्रकट कीजिए |

प्रश्न6)क्या अप खेल में हार कर भी विपक्षी खिलाडियों के साथ सहृदय रहते है?अपने शब्दों में लिखिए |

प्रश्न7)संकेत बिन्दुओ के आधार पर शब्दों में अनुच्छेद लिखिए |

- **सत्संगति -सत्संगति क्या है ?,सत्संगति का महत्व ,विद्यार्थी जीवन पर प्रभाव |**
- **जब मैने पहली बार मंच पर कविता सुनाई -भूमिका ,कब ,कहाँ ,कैसे ,मन: स्थिति |**

प्रश्न8)स्लोगन लेखन

- **नारी शिक्षा**
- **महिला साक्षरता**
- **वन संरक्षण**
- **पर्यावरण संरक्षण**
- **पौलिथिन निषेध**

प्रश्न9)"ग्रीष्मकालीन अवकाश" विषय पर आधारित स्वरचित कविता लिखिए |

प्रश्न10)टी.वी पर आने वाले किसी भी धरावाहिक या कार्टून के बारे में लिखिए कि आपको उसमें क्या अच्छा लगता है और क्यों|

MATHEMATICS

Activity:

Select 5 IPL matches and from each selected match, select 5 batsmen.
Find the fraction of score of selected batsmen out of total score?
Convert this fraction in the form of linear equation in one variable.
Complete all assignments given so far.

NOTE: Revise chapter 1,2,3,7 for test.

SCIENCE

Note :- All the work has to be done in Science notebook.

A. Collect pictures of plants showing different modes of heterotrophic nutrition (except for those given in the book) , at least one each for :
   (i) Saprophytes
   (ii) Parasites
   (iii) Symbiotic
   (iv) Insectivorous
   and write in brief as to how do they obtain nutrition.

B. Describe how diabetes is related to pancreas.

C. Collect and paste newspaper clippings of five recent discoveries of Science.

D. Complete the Assignments of all the chapters done in Science notebook.

SOCIAL SCIENCE

- Collect pictures of any three Mughal monuments and paste them in your social science notebook and give detailed information about them and the kings associated with each monument.
- Collect newspaper clippings about the elections held at Karnataka recently and give a detailed information along with pictures and make a booklet.

ART & CRAFT

Do any of the following artwork on a canvas of any size out of A_2, A_3, A_4, A_5.

- 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/WORKSHEETS

MATHEMATICS

LINEAR EQUATIONS

1. Convert the following statements into equations.
   (a) 5 added to a number is 9.
   (b) 3 subtracted from a number is equal to 12.
   (c) 5 times a number decreased by 2 is 4.
   (d) 2 times the sum of the number x and 7 is 13.
2. A number is 12 more than the other. Find the numbers if their sum is 48.
3. Twice the number decreased by 22 is 48. Find the number.
4. Seven times the number is 36 less than 10 times the number. Find the number.
5. The length of a rectangle is 10 m more than its breadth. If the perimeter of rectangle is 80 m, find the dimensions of the rectangle.
6. A 300 m long wire is used to fence a rectangular plot whose length is twice its width. Find the length and breadth of the plot.
7. The denominator of a fraction is greater than the numerator by 8. If the numerator is increased by 17 and denominator is decreased by 1, the number obtained is 3/2, find the fraction.
8. A sum of $2700 is to be given in the form of 63 prizes. If the prize is of either $100 or $25, find the number of prizes of each type.
9. In a class of 42 students, the number of boys is 2/5 of the girls. Find the number of boys and girls in the class.
10. Among the two supplementary angles, the measure of the larger angle is 36° more than the measure of smaller. Find their measures.
11. My mother is 12 years more than twice my age. After 8 years, my mother's age will be 20 years less than three times my age. Find my age and my mother's age.
12. Solve each of the following equations and check your solution by substituting in the equation.
    (a) $2(x - 2) - 5(x - 5) = 4(x - 8) - 2(x - 2)$
    (b) $(2 - y)/(y + 7) = 3/5$
    (c) $(3x + 2)/(2x - 3) = - 3/2$
    (d) $(x - 8)/3 = (x - 3)/5$
    (e) $0.25(4y - 3) = 0.5y - 9$

DECIMALS

1. Write as fraction in lowest terms: (a) 0.4 (b) 7.4 (c) 0.64 (d) 0.75 (e) 0.055 (f) 0.625
2. Add: (a) 0.069, 0.008, 0.07 (b) 0.0906, 0.00738, 0.1079, 0.03076, 0.4307
3. Subtract: (a) 5.158 from 7.9 (b) 0.00084 kg from 0.05 kg 4. Nicholas purchased a box of 17kg apples. If 1kg789g of apples were found spoiled and 10kg 56g were consumed, how much apples were left?
5. Ben travelled 8 km 95 m in the first hour, 6 km 298 m in the second hour and 7 km 9 m in the third hour. How far did she travel in the three hours?
6. Nick deposited two cheques for $985.29 and $1092.78 in his bank account. Find the total amount deposited by him.

FRACTIONS

(a) $^1/_3$ of the school garden has vegetable and another $^1/_3$ has flowers. What part of the garden is left to grow grass?

(b) Sam spent $^1/_6$ of his Sunday doing homework and $^3/_6$ of the day watching cricket. What part of the day was left to do other things?

(c) My mother ate $^1/_8$ of the cake and my father $^3/_8$. How much of the cake has been eaten and how much is left?

(d) Pearl bought $^2/_3$ of her school books last week. What part is still left to be bought?

(e) Sonia walked $^3/_8$ of the distance to school and ran $^5/_8$ of the distance. How much more of the distance does she need to cover?

INTEGERS

1. Shyak has overdrawn his checking account by Rs.38. The bank debited him Rs.20 for an overdraft fee. Later he deposited Rs.150. What is his current balance?
2. Anna is a microbiology student. She was doing a research on optimum temperature for the survival of different strains of bacteria. Studies showed that bacteria X need optimum temperature of -31°C while bacteria Y need optimum temperature of -56°C. What is the temperature difference?
3. A submarine submerges at the rate of 5m/min. If it descends from 20m above the sea level, how long will it take to reach 250m below sea level?
4. Shing spent R500 on a winter coat and deposited a R500 rebate cheque. Which integer represents the change in how much money Shing spent?

SCIENCE

Ch- 1 NUTRITION IN PLANTS

Q1) Give one word for the following: (K)
- a) The plant which has nitrogen fixing in its roots.
- b)Tiny structures in leaves that capture the solar energy.
- c)A parasitic plant bearing the largest flowers.

Q2) Answer the following questions :
- a)What kind of nutrition is found in Cuscuta plant? (K)
- b)Explain the process of parasitic nutrition with example. (S)
- c)Why do farmers spread fertiliser in field ? (AP)
- d)How is rhizobium bacteria useful for leguminous plants? (U)
- e) How do plants get nitrogen for making proteins ? (S)

Q3) A slice of bread develops a green colored substance on its surface,if its kept outside for few days.What it is and how it appeared on the bread's surface? (AP)

Q4) Why do insectivorous plants trap insects? (U)

Q5) Why do green plants convert sugar into starch? (U)

Q6) Write true and false for the following statements.Also rewrite the false statements correctly. (A)
- a)Saprotrophs possess chlorophyll.
- b)Rhizobium bacteria is present in leaves of leguminous plants.
- c)In pitcher plant,the stem is modified to trap insects.
- d)Dodder is an example of parasitic plant.

Q7) How can you show the presence of starch in leaves? (AP)

Q8) Differentiate : (A)

a)Manures & Fertilisers.
b)Autotrophic nutrition and symbiosis
c)Lichens and insectivorous plants.

Ch-2 NUTRITION IN ANIMALS

Q1) Give one word for the following: (K)
a)The process in which the absorbed food is used for producing energy and growth.
b)The hardest substance in our body.
c)The unabsorbed portion of the food thrown out of body.
d)Widest part of alimentary canal.
e)Finger like projections present on the inner surface of small intestine.
f)Partially digested food of ruminants.
g)The organ through which waste is thrown out of the body in Amoeba.

Q2) Name the enzyme,that converts : (K)
a)starch into sugar
b)proteins into peptides
c)sucrose into glucose

Q3) Answer the following questions:
1)Explain the various processes of nutrition. (S)
2)What is the function of incisors, canines, premolars and molars. (K)
3)Explain different parts of human teeth along with well labeled diagram. (AP)
4)Trace the pathway by which food enters and leaves the human body. (AP)
5)Mention main functions of tongue. (K)
6)How food is absorbed in small intestine? (U)
7)Explain the process of rumination in cows? (S)
8)Explain the process by which amoeba takes in food with the help of diagram. (AP)

Q4) Write true and false for the following statements.Also rewrite the false statements correctly. (A)
a)Amoeba has anus by which it throws the food out of the body.
b)Cellulose is easily digested by humans.
c)With the help of saliva,starch is converted into sucrose.
d)Tongue plays no role in speaking.
e)Bile juice makes the food acidic.

Q5) Name the location where these are produced in human body: (K)
1)Hydrochloric acid
2)Bile juice
3)Saliva
4)Pancreatic juice

CH- 11 TRANSPORTATION IN PLANTS AND ANIMALS

Q1) GIVE ONE WORD FOR THE FOLLOWING: (K)
a)Process of transportation of food from leaves to whole plant.
b)artery carrying deoxygenated blood.
c)vein carrying oxygenated blood.
d)blood cells involved in blood clotting.

Q2) DIFFERENTIATE: (U)
a)Artery and vein
b)Phloem and xylem
c)RBC's and WBC'S
d)Pulmonary artery and pulmonary vein

Q3) Explain circulation of heart with the help of well labelled diagram. (S)
Q4) How kidneys help in excretion?Explain with the help of diagram. (AP)
Q5) What is dialysis and when it is done?(U)
Q6) How sweating is important to us?(U)
Q7) How osmosis helps the water from the soil to enter the root? (U)
Q8) How transpiration helps to transport water in tall trees?(U)
Q9) Explain the way by which food is transported in plants?(S)
Q10) Pick the odd one out and give reasons: (A)
a)Kidneys,ureters,urinary bladder,anus ,urethra
b)Blood,haemoglobin,white blood cells,oxygen transport in body

CH- 8 WINDS, STORMS AND CYCLONES

TICK THE CORRECT OPTION: (K)
Q1. Which among the following exerts atmospheric pressure?
a) Land b) air c) water d) all of these
Q2. The speed of wind is measured by -
a) Wind vane b) anemometer c) barometer d) hygrometer
Q3. Air moves from a region of _____ pressure to a region of _____ pressure.
a) High, low b) high, very high c) low, high d) low, very low
Q4. Analogy type: (A)
a) Speed of wind : anemometer :: direction of wind :_____
b) Measurement of wind : _____ :: measurement of speed : speedometer
Unscramble the letters to answer the following questions. (A)
Q6. A cyclone is more likely to end with heavy - ANIR
Q7. Air exerts - SESPURER
Q8. Humid air is less -SENDE
Q9. Air has - GWEIHT
Q10. Cyclone is also called - EHRURACIN
Q11. What is the effect of heat on land masses during day-night cycle? (U)
Q12. What are tornadoes? List the safety measures to be taken during tornadoes. (K)
Q13. Explain different layers of atmosphere. (S)
Q14. What is the cause of air pressure? (K)
Q15. How uneven heating of earth's surface generate winds in different direction? (U)
Q16. How cyclones are formed? (U)
Q17. How cyclone alert is different from cyclone warning? (A)
Q18. Why warm air is lighter than cold air? (A)
Q19. Collect the information about the worst cyclone hit areas of the world. Discuss on related issues like destruction caused, precautions taken and the relief measures that needs to be given to the affected people. (AP)
Q20. During a tornado, there was a stampede in a building. Everyone was trying to save their lives. Aabhas saw an old woman unconsciously lying on the ground.He took her to safer place and looked for first aid. What do you learn from his act? How we should behave during such disasters? (v)

VII (SCIENCE) ASSIGNMENT : ELECTRIC CURRENT AND ITS EFFECTS

TICK THE CORRECT OPTION: (K)
Q1.I f a circuit is open-
a) The bulb glows b) the bulb does not glow
c) The bulb glows for some time and then stops glowing d) none of these
Q2. The electrical energy can be transformed into-

a) heat energy b) light energy c) mechanical energy d) all of these

Q3. Nichrome is used as bulb filament because it has -

a) high boiling point b)high melting point)high resistivity d) both "b" and "c"

Q4. CFL stands for -

a) Compressed fluorescent lamp b) complete fluorescent lamp

c) Compact fluorescent lamp d) compact fluorine lamp

Q5. Match the following: (A)

COLUMN A	COLUMN B
Electric current	Soft iron
Electric cell	Eco – friendly
Electromagnet	Opens the circuit
Electric bulb	Horse shoe electromagnet
CFL	Battery
Electric fuse	Electrical energy changed into heat energy
Electric iron	Positive to negative terminal
Electric bell	Tungsten

Q6. How does the fuse work? (U)

Q7. Why should wiring in a household should be done with complete insulation? (U)

Q8. Explain the working of an electric bell with the help of a diagram. (AP)

Q9. Explain any two applications of heating effects of current. (AP)

Q10. Think and tell: "What are the ways of conserving electricity ?" (S)

Q11. DEFINE: ,circuit diagram and MCB (S)

Q12. Describe: (S)

a)Short circuiting b)Overloading

Q13. Write three uses of electromagnets. (AP)

Q14. Why copper wire cannot be used as fuse wire? (U)

Q15. During circuit fire in a building,rahul was about to use water for putting off fire but Naina suddenly stopped him.

a)Why Naina stopped Rahul? (u)

b)What values were displayed by Naina? (v)

c)By which method circuit fires are controlled? (ap)