APSK-17- HOLIDAYS HOMEWORK- VIII

ENGLISH

READING:

A.Read Urmila Mahajan's famous novel 'My Brother Tootoo':

- Write a short summary of the FIRST EIGHT chapters in your own words.(120 -150 words)
- Make a bookmark for your novel. Decorate it & write an inspirational quotation by a well known poet or author on it.
- Based on your understanding of the novel, pen down the character-sketch of Tootoo and Rini in 80-100 words.

WRITING

B.a) To act in front of the audience and getting their applause always tempted you. This dream is partially getting fulfilled by your joining an acting class during the summer break. Write a diary entry about this hidden passion and also about the first day of your acting class.

b) Write a letter to your father requesting him to allow you to accompany a party of school students going on an educational tour to Uttrakhand.

c) After analysing the present condition of women in the Indian society, you, Sujith/Sujata, felt that the women are still facing a lot of discrimination in the political, economical and social fields. Write an article for your school magazine about the need of women empowerment in our country.

GRAMMAR

C.a) Make 5 sentences using the three degrees of the following adjectives:

i. successful   ii. bad   iii. far   iv. less   v. more

b) Write five adjectives each used to describe:

i. person   ii. place   iii. performance

c) Write three adverbs each of manner, time, place, frequency and degree. Make one sentence each.

VOCABULARY

D.For the given 15 new words, find their dictionary meaning, write a synonym and anantonym and make sentences using them. The words are:-

attic, wobbly, deluge, pungent, apartheid, adept , parrying, feinting, veld, sledges, fables, emulation, ancestors, altered, slaughtered

HINDI

iz&1 *ouksa dk egRRo* fo"k; ij vuqPNsn fy[kdj ml
Hkk"k.k vk;ksftr fd;k tk,xkA

iz&2 izsepan dh dksbZ ,d dgkuh vkSj egknsoh oekZ dk
    dksbZ laLej.k rFkk gfjoa'kjk; cPpu dh dksbZ dfork
    fy[kdj vkSj i<+dj d{kk esa leh{kk izLrqr dhft,A

iz&3 fdz;kfo'ks"k.k dk fuekZ.k fdl izdkj fd;k tkrk gSA
blds ikWp mnkgj.k nhft,A

iz&4 lekl vkSj mlds Hksn i<+dj vk,aWxsa vkSj d{kk esa
ppkZ djsxsaA

MATHS

Worksheet given to be done

RATIONAL NUMBERS

1. Ramesh's camera was loaded with a new roll of film. The film can take 36 snaps. During the class picnic he took 20 pictures. What fraction of the roll can still be used to take snaps.
2. The product of two rational numbers is 15 /11. If one rational number is 5/9 then find the other.
3. What number should be added to 5 /16 so that we get the rational number 77/48.
4. How many ribbons of 11/10 m can be cut from a ribbon of length $5\frac{1}{2}$ m ?

5. Which number should be subtracted from 11/12 so that we obtain ¾ ?
6. A designer needs 3/ 5 of a metre of cloth to make a fancy dress for children taking part in a dance performance. If 200 children are taking part, how much cloth will the designer need?
7. Find a rational number between 1/2 and ¼ such that its denominator is 8.

8. The sum of two rational number is 9 /13. If one of them is 5 / 26 then find the other rational number.
9. Arrange the following numbers in ascending order
   -5/6, -7/12, -11/18, 13/24.
10. Insert five rational numbers between -1/2 and 2/5.
11. find three rational numbers between ½ and 5/6.
12. Find fiver rational numbers between -5/2 and -7/8.
13. Rearrange suitably and find the sum of the following:
   a) -3/5 + 7/8 + 4/5 + -1/8.
   b) ¼ + 4/5 + 5/6 + -2/7 + 7/8 + 1/5 + -1/6.
14. What rational number should be added to -9/16 to get 13/18.
15. What rational number should be subtracted from -4/5 to get 5/8.
16. The area of a rectangle is $145\frac{8}{6}$ sq m. If it is $17\frac{1}{2}$ m long, find its width.
17. The cost of 3.5 kg of wheat is Rs 63. How much will it $1\frac{1}{4}$ kg wheat cost?
18. Divide the sum of -3/4 and -5/12 by their product.
19. The product of two numbers is -35/2. If one of them is 7/6, find the other number.
20. A shirt needs 9/4m cloth. How many shirts can be made from $31\frac{1}{2}$ m cloth?

EXPONENTS AND POWERS

1. Calculate and find the value of $3^2 \times 2^3$.
2. If $(x^5 \times x^{-2})^2 = 64$, what is x?
3. Find the value $(2^{11} + 3^2 - 5^1)0$.
4. Find the value of x, when $2^x = 4^3$
5. If $2^x \times 5^x = 1000$, then $x = $?
6. If $5^{2x-6} = 1$ then $x = $?
7. Find the value of x if $2^{3x} = 64$.
8. If $216^x = 6$ then find x.
9. What is x if $29^x = 1$?
10. Find the missing number x in : $5^2 + x^2 = 13^2$
11. Find in the form of positive exponent $(x^{-4})^3$
12. Find in the form of positive exponent $5^4 \times 5^{-6}$
13. Find in exponent form $2^5 \times 2^7 \times 2^{-3}$
14. Find 8.469×10^3 in usual form.
15. Find 724.9×10^3 in usual form.
16. Find 72.49×10^3 in usual form.
17. Find 72.48×10^{-3} in usual form
18. Find 5×10^{-3} in usual form.
19. Find 8465×10^{-2} in usual form.
20. Find 0.000000 375 in standard form.
21. Find the value of a if $(-2)^{3a+1} \times (-2)^4 = (-2)^8$
22. Simplify in exponent form. $(a^7 a^{-5}) \times a^{-2.}$
23. Find the value of m if $5^{2m-1} \times 5^1 = 25$.
24. Find the value of $(2^{-1} + 3^{-1})^2$.
25. By what number $(4)^{-3}$ be multiplied so that the product become 1/16?

SQUARE AND SQUARE ROOTS

1. Find the Pythagorean triplets of the following:
   a) 8
   b) 37
   c) 16
   d) 17
2. Find the smallest number by which 2048 must be multiplied to get a perfect square.
3. Find the smallest number by which 605 be multiplied to get a perfect square.
4. Find the least square number exactly divisible by each one of the following number 4, 6, 8 and 12.
5. 4096 plants are to be planted in an agriculture farm in such a way that each row contains as many plants as the number of rows. Find the number of rows of the plants.
6. A school collected Rs 7056 for prime minister's Relief fund. If each student collected as many paise as there were students in the school. How many students were there in the school?

7. Find the square root of the following using division method.
   a) 44100
   b) 60025
   c) 256036

   d) 480249
   e) 22801
8. The area of a square is 59536 sq mts. Find the length of its side.
9. Find the least number which must be added to 543291 to make it a perfect square.
10. The area of a square field is 12100 sq metres. Find its side.
11. Find the square root of 7.1289.
12. Find the square root of 7 upto 4 decimal places.
13. Find the square root of 13 upto 5 decimal places.
14. Find the square root of 0.9 upto 2 decimal places.
15. What should be added to 45^2 to get 46^2.
16. How much is $87^2 - 86^2$
17. Find the least number which when added to 599 to make it a perfect square.
18. Simplify $\sqrt{1024} - \sqrt{900}$.
19. In a cinema hall 729 people are seated in such a way that the number of people in a row is equal to number of rows. Then how many rows of people are there in the hall?
20. Find the square root of the following using prime factorisation method
   a) 11025   g) 207025
   b) 7225   h) 617796
   c) 3969   i) 202500
   d) 1764   j) 97969
   e) 50625   k) 15376
   f) 998001   l) 313600

SCIENCE
1) Following Activity will be done in which the child will submit the following
   - Aim , Material required , Procedure , Observation and Conclusion
   - To construct an electric circuit and to test the electrical conductivity of metals and non-metals.
2) Draw and practice the following diagrams :
Nitrogen Cycle , Different Types of bacteria , Linear and Cross Polymerisation , Metal reactivity series
3) To Practice Various Chemical equations given in Ch – 4
4) Frame Four questions from each Chapter included in Periodic I
   1Q – 1mks ,   1Q – 2mks ,   1Q – 3mks   , 1Q - 4mks

SOCIAL SCIENCE

1) Collect pictures of any five memorials built by the British in India, and paste them in your note book. Also furnish the following information
   (a) The location of the building
   (b) When it was built
   (c) Why it was built
2) Paste a picture of a wind farm in your notebook and write why we should develop potential resources.
3) Practice map work (Geog- page no. 12 &15) (Hist.- 15)
4) Revise the class work.

SANSKRIT

```
Lej.ka ys[kue~ p
O;kdj.ks & 'kCn :ikf.k&

    1-    bdkjkUr'kCn :i] mdkjkUr'kCn :i +] _dkjkUr'kCn :i
       loZuke 'kCn:ikf.k p O;kdj.ks dk;Zi=s ysf[kRok Lefj";fUr
       firjkS Jkof;";fUr pA
         eqfu &xq#& fir`& 'kCn:ikf.k laLd`r vH;kliqfLrdk;ke~
ysf[k";fUrA

    2-    /kkrq:i &Hkw]lso~] xe~ vkkfn 1&10 iap"kq ydkjs"kq
       fj";fUr firjkS Jkof;";fUrA
```

Xke~] LFkk iap”kq ydkjs”kq] lso~ yHk~ yV~ y`V~ ydkj;ks% laLd`r vH;kl iqfLrdk;ke~ ysf[k”;fUrA

3- i= ys[kue~& mnkgj.ks”kq dk;Zi=s fjDr LFkkus ysf[kRok
   i= 1&2 Lefj”;fUr firjkS Jkof;”;fUr pA
   ^^ fo|ky; R;kxizek.k i=k; izkpk;Zke~ izfr
   izkFkZuk&i=aae~^ laLd`r vH;kl iqfLrdk;ke~ ysf[k”;fUr
   firjkS Jkof;”;fUrA

4- vuqPNsn ys[kue~ & laLd`r dk;Zi=s fjDr LFkkus ysf[kRok
   vuqPNsn 1&2 Lefj”;fUr firjkS Jkof;”;fUrA
   ^^ee fiz;a fe=e~**laLd`r vH;kl iqfLrdk;ke~ ysf[k”;fUr
   firjkS Jkof;”;fUr pA

COMPUTER

ACTIVITY

Paste the Pictures of Various types of Charts and write in short about them.

WORKSHEET

I.   Answer in long:

Q1. What is Sorting? Explain single column and Multiple column sorting?

Q2. Explain Absolute Referencing and Relative Referencing?

II.   Answer in Short:

Q1. What is Filtering? Name the types of Filtering.

Q2. What are Sparklines?

Q3. What are Gridlines? What are its types?

Q4. Explain Conditional Formatting?

III.   Fill ups:

1. We can copy conditional formatting to other cells using _____.
2. _____ referencing is the combination of absolute and mixed formatting.
3. The buttons to sort data are in _____ group of buttons on data tab.
4. Address of a cell is called _____.
5. Shortcut to filter data is _____.
6. Swapping of data over the axis can be done through _____.
7. Move chart dialog box contain _____ and _____ options.
8. _____ identifies the data represented in data series by assigning them a colour or pattern.
9. _____ is the area contained in 2 or 3 axis.
10. Information on single data series is called _____-.

NOTE: All the homework is to be done in computer Notebook.