B.R.B. MODEL SCHOOL

Worksheets

Holidays Homework

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B.R.B.MODEL SCHOOL
Holiday Home Work
Class- X

SUB -HINDI

1– ग्रीष्मावकाश की समय–सारिणी बनाते हुये अपनी कार्य योजना लिखिये।

2– लेखक कमलेश्वर द्वारा रचित व्यंगात्मक निबन्ध 'जार्ज पंचम की नाक' (कृतिका–2) को पढ़िये और उसका सार अपने शब्दों में लिखिये।

3– भक्ति कालीन कवि सूरदास जी एवं तुलसीदास जी तथा रीतिकालीन कवि देव का जीवन वृत और उनकी रचनायें लिखिये।

4– वाच्य की परिभाषा सहित उसके भेदों को उदाहरण सहित अभ्यास पुस्तिका पर लिखिये।

5– तीन अपठित गद्यांश व तीन अपठित काव्यांश प्रश्नोत्तर सहित अपनी अभ्यास पुस्तिका पर कीजिये।

6– पत्र लिखिये।

(क) परीक्षा के दिनों में अनियमित विद्युत आपूर्ति की समस्या की ओर ध्यान आकृष्ट करते हुये प्रबंधक राज्य विद्युत आपूर्ति निगम को पत्र लिखिये।

(ख) ग्रीष्मावकाश में आपके पर्वतीय मित्र ने आपको आमंत्रित कर अनेक दर्शनीय स्थलों की सैर कराई। इसके लिए उसका आभार व्यक्त करते हुये धन्यवाद पत्र लिखिये।

7– निबन्ध लिखियें। (1) प्रदूषण– कारण और निवारण (2) जीवन में कंप्यूटर की उपयोगिता (3) आतंकवाद (4) परिश्रम का महत्व

8– गद्यखंड (क्षितिज–2) से पाठ 'लखनवी अंदाज' के लेखक का पूर्ण परिचय देते हुये पाठ सा सार लिखिये।

9– पाठेतर सक्रियता।

(क)1– क्षितिज– 2 के पाठ 'बालगोबिन भगत' में ऋतुओं के बहुत ही सुन्दर शब्द–चित्र उकेरे गये हैं। बदलते हुये मौसम को दर्शाते हुये चित्र/फोटो का संग्रह कर एक एलबम बनायें।

(ख) पाठ में हिन्दी महीनों के नाम आये हैं। हिन्दी महीने को कलैंडर किस माह से आंरभ होता हैं? महीनों की सूची तैयार कीजिये।

SUB- SOCIAL STUDIES

1- Make a project file on Resource and Development.
2- Differntiate in between federal & unitary govt in three points.
3- Draw a flow chart of classification of resources.
4- Describe different types of soil found in India.
5- What is federalism? Define the two types of federations.
6- Why power sharing is desirable?
7- 'India is a federal country Explain.
8- Why Gram Panchayat is needed for the development of villages?
9- How tertiary sector is responsible for the development of primary and secondary sectors.
10- What is difference between organized and unorganized sectors?
11- What is HDI? Which fectors are included in HDI?
12- Locate in the map of India.
    (i)- Forest soil
    (ii)- Alluvial soil
    (iii)- Arid soil
    (iv)- Black soil

SUB-PHYSICS PROJECT

(i)- To determine the focal length of concave mirror by obtaining the image of a distant object.
(ii)- To determine the focal length of concavx lens by obtaining the image of a distant object.

SUB- CHEMISTRY PROJECT

(1)- a)- To study the properties of acids (dil HCl) by their reaction with-
    (i)- Litmus solutions (blue/red)
    (ii)- Zn metal]
    (iii)- Solid sodium carbonate

(2)- a)- To study the properties of bases (dil NaoH) by their reaction with.

i)- Litmus solution (blue/red)

ii)- Zn metal

iii)- Solid sodium carbonate

(3)- a)- To perform and observe the action of water on quick lime and classify the reaction.

SUB - BIOLOGY PROJECT

(i)- To prepare a temporary mount of leaf peel to show its stomata.

(ii)- To show necessity of light during the process of photosynthesis.

SCIENCE

SUB -PHYSICS

1- What is the difference b/w the virtual image produced by

(a)- Plain mirror (b)- Concave (c)- Convex

2- Find a focal length of a convex mirror whose radius of a curvature is 32cm

3- Draw the ray diagram for a concave mirror when object is placed at different position.

4- Laws of Refelection.

5- What is concave, convex and plane mirror?

SUB- CHEMISTRY

1- State one example each characterized by the following along with the chemical eg$^{n.}$

a)- Change in state b)- Evolution of gas c)- Change in temperature

2- What do you understand by endothermic and exothermic reaction, explain with on example each.

3- Difference between displacement & double displacement reaction.

4- Define alkaline and give an example.

5- What is our tooth enamel made up of?

6- State any two chemical properties of base, write chemical egn for each.

7- Why the chips manufactures usually flush bags of chips with N_2 gas?

8-Why does white colour silver chloride turn grey when kept in sunlight?

9- Balance the following chemical eg^{n} s and identify the type of reaction-

a)- $Mg + cl_2$---- $Mgcl_2$

b)- Hg -------- $Hg+O_2$

c)- $Na + S$----- Na_2s

d)- $K+ H_2o$-----$ko4 + H_2$

10- $Mno_2 +$ $4Hcl$---- $Mncl_2 +2H_2o +Cl_2$

Identify the substance in above reaction

a)- oxidized b)- oxidizing c)- agent d)- reducing agent

SUB- BIOLOGY

1- Draw a diagram digestive system.

2- What are stomata? What function do they perform? What function do they perform? With the help of a diagram explain opening and closing of stomata?

3- The Glottis is guarded by epiglottis. Give reason.

4- The wall of trachea is supported by carlilage. Give reason.

5- Name glands present in the wall of the stomach that release secretions for digestion of food. Write the three components of secretion that are released by these glands.

SUB- MATHEMATICS

Very short answer questions. (Each carry 1 mark)

1- What is the exponent of 2 in the prime factorization of 336?

2- Which of the following have terminating decimal expansion?

a- $\frac{64}{455}$ b- $\frac{17}{8}$ c- $\frac{129}{77}$ d- $\frac{77}{210}$

3- If $\frac{241}{4000} = \frac{241}{2^m 5^n}$, find the value of m and n, where m and n are non-negative integers.

4- The graph of a polynomial p(x) cuts the x- axis at two places and touches it at three places. What is the no. of zeroes of p(x) ?

5- Find the quadratic polynomial whose zeroes are $\sqrt{2}.\pm 3$

6- If the product of zeroes of the polynomial ax^2-6x-6 is 4, find the value of a.

7- Given the linear equation 3x-4y=7, write another linear equation in these two variables such that the geometrical representation of the pair so formed is.

(i)- Intersecting lines

(ii)- parallel lines

8- For what value of K does the following system of equations have a unique solution

$2x + ky = 1$; $3x \quad 5y = 7$

9- For what values of a, the pair of linear equations has no solution?

$ax + 3y = a \quad 3$; $12x + ay = a$

10- Find the number of solution (s) in the given pair of equations. Give reason.

x+2y-8=0 and 2x+4y=16

Short answer question- (Each carry 2 marks)

11- Use EDL to find if the following pair of number is co-prime : 121, 573

12- State Euclid's division Lemma. If Euclid's lemma is used for a<b as a=bq+r, then which of a,b,q or r is necessarily zero.

13- Show that of the numbers n, n+2 and n+4, only one of them is divisible by 3.

14- Find the least positive integer which on adding 1 is exactly divisible by 126 and 600.

15- Draw the factor tree for the number 4095.

16- Prove that the sum of a rational number and an irrational number is always irrational.

17- Write the geometrical mening of the zeroes of a quadratic polynomial.

18- $\propto and\ \beta$ are the zeroes of the quadratic polynomial p(x)= $x^2 \quad (k+6)x + 2(2k \quad 1)$ Find the value of k, if $2(\propto + \beta) = \propto \beta$.

19- Reena has some Rs. 50 and Rs.100 notes amounting to a total of Rs. 650. If total number of notes is 9, then find how many notes of Rs. 50 and Rs. 100 each, she has.

20- Solve by elimination method.

$\frac{3x=2y}{xy} = 1$; $\frac{4x-2y}{xy} = 13$

Short answer question. (Each que. Carry 3 marks)

21- Two tankers contain 620 litres and 840 litres of diesel respectively. Find the maximum capacity of a container which can measure the diesel of both the tankers in exact number of times.

22- Prove that for any positive integer n, n^3-n is divisible by 6.

23- Use Euclid's division lemma to show that the cube of any positive integer is of the form 9m, 9m+1 or 9m+8.

24- Use EDL to show that any positive odd integer is of the form 6q+1, 6q+3 or 6q+5, where q is some integer.

25- Check whether the polynomial $3x^2-5x+2$ is a factor of the polynomial $3x^4-5x^3-10x^2+20x-8$. Verify by division algorithm.

26- Students of a class are made to stand in rows. If 4 students are extra in a rows. If 4 students are extra in a row, there would be 2 rows less. If 4 students are less in a row, there would be 4 more rows. Find the no. of students in the class.

27- Is product of a rational no. and an irrational number, a rational no.? Is product of two irrational numbers a rational no. or irrational no.? Justify giving examples.

Long answer question. (Each ques. carry 4 marks)

28- A man sold a chair and a table together for Rs. 1520 there by making a profit of 25% of chair & 10% on the table. By selling then together for Rs. 1535. He would have make a profit of 10% on the chair & 25% on the table. Find the cost price of each.

29- Draw the grph of the following pair of linear equation.X+3y =6 and 2x-3y=12 Find the ratio of the areas of the two triangle formed by first line, x=0 , y=0 and second line, x=0 , y=0.

30- Find the value of a and b so that so $x^4+x^3+8x^2+ax-b$ is divided by x^2+1.

31- Write the HCF and LCM of the smallest odd composite number and the smallest odd prime number. If and odd number p divides q^2, them will it divide q^3 also? Explain.

SUB- ENGLISH

Reading section-			
Type-1	1,2 and 3	Passage	(05 to 09)
Type-2	1,2 and 3	Passage	(21 to 25)
Writing Section-			
Article	2 and 3	(39& 40)	
Formal letter	2 and 3	(52&53)	
Short story	2 and 3	(64&65)	
Literature Section.			
Two Gentleman of Verona		(145 to 149)	
The Frog and the Nightingale		(159 to 164)	

SUB-FOIT

1. Who uses the Internet the most in your family?
2. What computer do you use to access the Internet?
3. What are some security issues you must think about when you access the Internet?
4. Do you think our lives have been improved by the Internet?
5. What are some of the ways the Internet can be used for education?
6. What are some of the ways the Internet can be used for entertainment?
7. What are the sites you most commonly access?
8. What is the best thing about the Internet?
9. What problems does the Internet create? What problems does it solve?
10. Is it expensive to access the Internet by mobile phone in your country?
11. Why should you be careful about giving out personal information to people that you meet in chat rooms?
12. Why should you be careful about giving out personalinformation to people that you meet in chat rooms?
13. Why is it illegal to download movies and music from theInternet?
14. How does the Internet help people from different countries to communicate with each other?
15. How has the Internet changed society?
16. How can the Internet help you learn English? Do you take advantage of this?

17. Is it dangerous to meet people on the Internet?
18. How can the internet help you learn English? Do you take advantage of this?
19. How can the Internet be improved?
20. What is a computer virus and how do we protect our computer from being infected?

✓ Mandatory Task For All Students During Summer Holidays

1. Keep an earthen bowl filled with water at suitable location of your house for thirsty birds in summer, so that they can comfortably drink water from it.
2. You many also spread seeds near water bowl for birds.
3. Keep on changing water after every alternate day.
4. Regularly try to capture a photograph of a bird, drinking water from your bowl. Then take printout of best Two pictures & Submit it along with your holiday Homework . Mentioning your name & class behind it.
5. Best selective pictures will be displayed in the School exhibition & Top 3 ranked pictures will be awarded & get Space in school Magazine.

✓ Guidelines for Holiday Homework

1. Use copy or additional sheets where ever required.
2. Submit your Homework separately to all concerned subject teachers.
3. Holiday homework would be evaluated out of 10 marks in all subjects.
4. Timely submission , neatness & presentation of homework would be considered separately.
5. Last date of submitting holiday homework is 05/07/2017(Wednesday).

Note: Students can contribute to magazine in English or Hindi in A4 sheet. (Story, Essay, Poem, Drawing, Puzzles)