مــدارس دارة السـلام الـعـالمـيـة- الـريـاض
Daratassalam International Delhi Public School -Riyadh
Holiday Homework (23-24)
Grade: IX

DARATASSALAM INTERNATIONAL SCHOOL

ENGLISH

S.No	Subjects	Assignments
1	Literature	Study about the life of Ruskin Bond .
3	Literature	The Boy in Striped Pyjamas by John Boyne
4	Advanced Knowledge	Idioms and Proverbs
5.	Advanced Writing Skills	Poetry Composition, Story Writing (Descriptive Writing)

GENERAL INSTRUCTIONS

1. Study thoroughly about the life and works of **Ruskin Bond**.{Word Limit 200—250}

2. **"Today a reader, tomorrow a leader."** To make you aware and socially active we strongly suggest you to read a book "**The Boy in Striped Pyjamas**" by **John Boyne** and act as a critic through your review.

3. Compose a poem on a theme of your choice; in about 20 lines.

4. Learn the difference of an 'Idiom' to a 'Proverb.' Prepare a list of ten idioms and proverbs, that you haven't come across and explain its meaning.

5. Descriptive Writing:

   a) An Important Invention

   b) The Book I Love The Most

6. Story Writing: Complete the outline given, by creating additional characters and direct the script to an end.

   Mr Dubbawala lived in a posh residential complex. The complex had a huge tree at the centre of it. It was a peepal tree. The residents hung, swings on it, fed the birds and the squirrels that resided in it. One day a builder decided to chp it off and build a swimming pool in its place…………

7. Read the story **'Last Leaf'** from your textbook 'Moments' and **'The Bond of Love'** from the text 'Beehive'. Then present the main themes and characters of the stories using a **web chart**. The distinctive aspects must be clearly organized, such that a person who is not familiar with the lesson should be successful in getting a gist by looking at it. Do not write the summary.
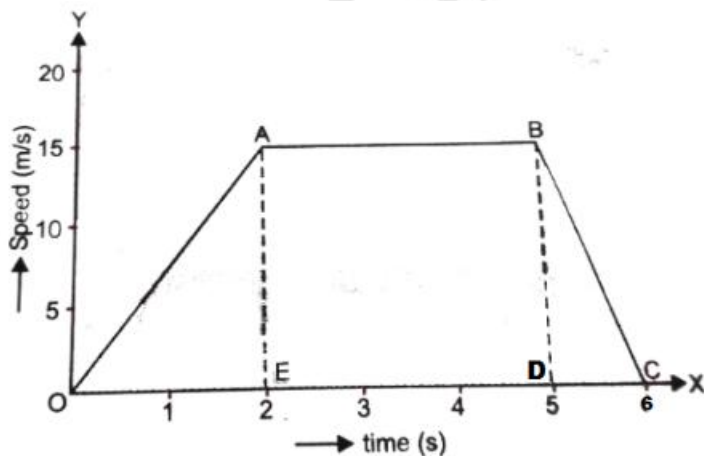
<u>Note</u>:-The assignments must be done in the English Language Notebook. Please DO NOT submit on loose sheets/files/folders· The homework must be presented neatly and creatively, with a cover page.

SCIENCE

PHYSICS

**1.** The speed- time graph of a car is given below. The car weighs 1000 kg.

(a) What is the distance travelled by car in first 2 s?

(b) What is the braking force applied at the end of 5 s to bring the car to stop within 1s?

2. According to the third law of motion when we push on an object, the object pushes back on us with an equal and opposite force. If the object is a massive truck parked along the roadside, it will probably not move. A student justifies this by answering that the two opposite and equal forces cancel each other. Comment on this logic and explain why the truck does not move.

3. A motorcar of mass 1200 kg is moving along a straight line with a uniform velocity of 90 km/h. Its velocity is slowed down to 18 km/h in 4s by an unbalanced external force. Calculate the acceleration and change in momentum. Also calculate the magnitude of the force required.

4. Look at the diagram and answer the following questions:
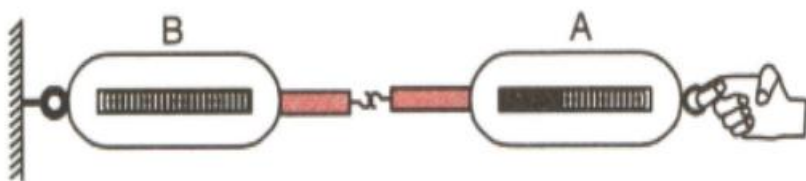
(a) When a force is applied through the free end of the spring balance A, the reading on the spring balance A is 15 g wt. What will be the measure of reading shown by spring balance B?

(b) Write reason for your answer.

(c)Name the force which balance A exerts on balance B and the force of balance B on balance A.

CHEMISTRY

1. A sample of water under study was found to boil at 102°C at normal temperature and atmospheric pressure. Is the water pure? Will this water freeze at 0°C? Comment.

2. Make a Pictionary of 10 new words related to chemistry from the chapter-
1 and 2 of NCERT and paste pictures related to the topic.

3. 5ml of water was taken in a test tube and china dish separately. These samples were then kept under different conditions as below

- Both the samples are kept under a fan

- Both the samples are kept inside a box

   a) State in which case evaporation will be faster? Give reasons.

   b) How will the rate of evaporation change if above activity is carried out
      on a rainy day? Justify.

4. All of us are familiar with LPG cooking gas cylinder used at home.

   a) What is the full form of L.P.G?

   b) What is it composed of?

   c) In what form gas is stored? What are the factors responsible for it?

   d) What is the change observed when regulator is opened? Why?

5. Why do solids expand a bit on heating and contract a bit on cooling?

BIOLOGY

1. Complete the questions and answers of Chapter-Cell the fundamental unit of life.

2. Write the practical in your practical record book.

   a) Temporary mount slide preparation of onion cell.

   b) Temporary mount slide preparation of cheek cell.

MATHEMATICS

1. Find which of the variables x, y, z and u represent rational numbers and irrational numbers :

   a) $u^2 = \frac{17}{4}$ b) $x^2 = 5$ c) $z^2 = 0.04$ d) $y^2 = 9$

2. Simplify $0.\overline{134} - 0.00\overline{32}$ and express the result in the form $\frac{p}{q}$, where p, q are integers and $q \neq 0$.

3. Simplify: $12\sqrt{18} - 6\sqrt{20} - 3\sqrt{50} + 8\sqrt{45}$.

4. Evaluate: $\dfrac{\sqrt{5} + \sqrt{3}}{\sqrt{80} + \sqrt{48} - \sqrt{27} - \sqrt{45}}$.

5. If $x = \dfrac{5 - \sqrt{21}}{2}$, then prove that $\left(x^3 + \dfrac{1}{x^3}\right) - 5\left(x^2 + \dfrac{1}{x^2}\right) + \left(x + \dfrac{1}{x}\right) = 0$.

6. Simplify: $\left\{5\left(16^{\frac{1}{4}} + 27^{\frac{1}{3}}\right)\right\}^{\frac{1}{4}}$.

7. Find the zero of the polynomial $2x^2 + 7x - 4$.

8. For what value of m is $x^3 - 2mx^2 + 16$ is divisible by $x + 2$.

9. If $ab + bc + ca = 0$, find the value of $\dfrac{1}{a^2 - bc} + \dfrac{1}{b^2 - ca} + \dfrac{1}{c^2 - ab}$.

10. Find the value of $x^3 - 27y^3 - 343 - 63xy$, when $x = 3y + 7$.

11. Without actual division, prove that $2x^4 - 5x^3 + 2x^2 - x + 2$ is divisible by $x^2 - 3x + 2$.

12. Find the value of a and b so that $x + 1$ and $x - 1$ are factors of $x^4 + ax^3 + 2x^2 - 3x + b$.

13. If $a < 0$ and $b < 0$, then in which quadrant the point $A(a, b)$ lies?

14. Find the value of x and y, if $(2, 2y - 3) = (x, 7)$

15. Check whether the equation $x(x + 4) - x^2 + 3y + 5 = 0$ is a linear equation in two variables.

16. If $(2, 0)$ is a solution of the linear equation $2x + 3y = k$, then find the value of k.

17. It is known that $p + q = 6$ and $p = r$. Show that $r + q = 6$.

18. In the figure, $\angle ABC = \angle ACB$, $\angle 3 = \angle 4$. Show that DB=DC.
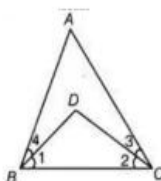
19. If the difference between two complementary angles is 10^0. Find the angles.

20. If the measure of an angle is thrice the measure of its supplementary angle, then find the measure of angles.

SOCIAL SCIENCE

SUBJECT: DISASTER MANAGEMENT
TOPIC: EARTHQUAKE

Objectives:

1. The overall objective of the project work is to help students gain an insight and pragmatic understanding of the theme and see all the Social Science disciplines from interdisciplinary perspective. It should also help in enhancing the Life Skills of the students.
2. Students are expected to apply the Social Science concepts that they have learnt over the years in order to prepare the project report.
3. If required, students may go out for collecting data and use different primary and secondary resources to prepare the project. If possible, various forms of art may be integrated in the project work.

Topics to be covered under the project:

- What is an Earthquake?
- What Causes an Earthquake?
- What to do During an Earthquake?
  Before the disaster
  Do's and Don'ts
  After the disaster
- What are the Effects of an Earthquake?
- What is the difference between seismograph and Richter scale?
- Protection against Earthquake.
- What is an earthquake zone?
- What are earthquake zones in India?

INDIVIDUAL FORMAL HANDWRITTEN REPORT
INSTRUCTIONS AND GUIDELINES TO ON HOW TO WRITE THE PROJECT:

- The other side of the paper i.e., the left side should be used for pasting pictures, newspaper cuttings etc.
- However, lines to write/pictures/watermarks/borders can be printed.
- Cover page also has to be hand written.
- You can use charts/ colored sheets/ any other paper.
- Cover page showing project title, student information, school and year.
- List of Content or Index
- Acknowledgement Preface – (In this section you may thank the people who have helped you in writing the report)
- Introduction – The Introduction should present the aim of the project and the background of investigation. It should explain why the project is important and interesting.
- Topics with suitable heading
- Conclusion – What have you understand about the project, its importance etc.
- Bibliography – This includes references to websites and books / articles consulted while writing the report.
- All photographs and sketches should be labelled and related to the theme.
- Question based on the project report will be asked as Viva test.

Viva test on: 28/08/2023

NOTE: Kindly adhere to the submission date: 28/08/2023

SECOND LANGUAGE

HINDI

हिंदी व्याकरण अभ्यास कार्य पुस्तिका में निम्नलिखित अभ्यास पूरे कीजिए-

अपठित गद्यांश-   अभ्यास प्रपत्र - 1,2,3,&4

अनुच्छेद व पत्र लेखन-   अभ्यास प्रपत्र-1

चित्र वर्णन-   अभ्यास प्रपत्र -5

संवाद लेखन-   अभ्यास प्रपत्र- 7

URDU

صحت کی اہمیت پر دو سو الفاظ کامضمون لکھیے۔۱

پرنسپل کے نام چھٹی کی درخواست لکھیے۔۲

نوٹ:صرف اے فورکاغذ استعمال کیجیے۔

MALAYALAM

ഉപന്യാസം തയ്യാറാക്കുക .

1. വളരുന്ന കേരളീയതയും അകലുന്ന നന്മയും
2. വിദ്യാദ്യാസവും കമ്പ്യൂട്ടറിന്റെ സ്വാധീനവും

കത്ത് തയ്യാറാക്കുക .

1. കേരളത്തിൽ വൈദ്യുതി ക്ഷാമം മൂലം ജനങ്ങൾ അനുഭവിക്കുന്ന ബുദ്ധിമുട്ടിനെ കുറിച്ച് മുഖ്യമന്ത്രിക്ക് ഒരു കത്ത് എഴുതുക .
2. മാലിന്യത്തിൽ നിന്ന് എങ്ങിനെ മുക്തിനേടാം എന്ന് വിശദീകരിച്ചു കൊണ്ട് പ്രമുഖ പാത്രത്തിലേക്ക് കത്ത് തയ്യാറാക്കുക .

പത്രവാർത്ത തയ്യാറാക്കുക.

1. മദ്യപിച്ചെത്തുന്നവർ പൊതുനിരത്തിൽ വലിയ പ്രശ്നങ്ങൾ ഉണ്ടാക്കുന്നത് നമ്മൾ കണ്ടിട്ടുണ്ട് .അത്തരക്കാർക്കുഎതിരെ ശക്തമായ നടപടികൾ ഉണ്ടാകുന്നില്ല . ഇത്തരം ഒരു സംഭവം വാർത്തയുടെ രൂപത്തിൽ എഴുതുക .

2. നിങ്ങളുടെ വിദ്യാലയത്തിലെ ആർട്സ് ക്ലബ് ന്റെ നേതൃത്വത്തിൽ അഞ്ചു ദിവസം നീണ്ടു നിൽക്കുന്ന മലയാളക്ലാസിക് ചിത്രങ്ങളുടെ പ്രദർശനം സംഘടിപ്പിക്കാൻ തീരുമാനിച്ചു എന്ന് കരുതുക .
ഈ സംഭവത്തെ ഒരു പത്രവാർത്തയാക്കി മാറ്റുക .

TAMIL

a.கடிதம் எழுதுக:

1நீ உன் விடுமுறையை கழித்த விதத்தை பற்றி உன் தோழி தோழன்க்கு ஒரு கடிதம் எழுது

2. நடைபாதைக் கடைகளை நீக்கக் கோரி ஒரு கடிதம் எழுது

b. கட்டுரை

புகைவண்டியும் மக்களின் கட்டாயமும்

FRENCH

I-   Prépare ta fiche d'identité.

Nom :

Prénom :

Date de naissance :

Nationalité :

Domicile :

II- Que représente ces abréviations :
SNCF

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TGV

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PDG

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ONV

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OMS

....

III- Conjuguez les verbes suivants: au present

1 /Parler

Je	Nous
Tu	Vous
Il	Ils
Elle	Elle

2/ remplir.

Je	Nous
Tu	Vous
Il	Ils
Elle	Elle

IV- Donnez les nationalités:

Pays	Masculin	Féminin
sSénégal		
Canada		
Inde		
France		
Angleterre		
Etas-Unis		

V- Conjuguez <u>au future proche</u> les verbes:

1/ Parler

Je	Nous
Tu	Vous
Il	Ils
Elle	Elle

2/ choisir

Je	Nous
Tu	Vous
Il	Ils
Elle	Elle

3/ entendre

Je	Nous
Tu	Vous
Il	Ils
Elle	Elle

VI-Qu'est-ce qu'on mange :
1/Au petit déjeuner

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2/Au déjeuner

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3/Au gouter

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4/Au diner.

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VII- Qu'est-ce que c'est la basilique de Fourvière.

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VIII- Qu'est-ce que c'est le théâtre de guignol ?

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IX- Prépare une publicité pour visiter une ville touristique en Inde.

ARABIC

1 -   اكتب موضوعا عن الهند ما لايقل عن ١٠ جمل.

2 -   أكتب موضوعا عن الإجازة الصيفية ما لا يقل عن ١٠ جمل.

3 -   صرف من (نَصَرَ - يَأْكُلُ - إِذْهَبْ)