



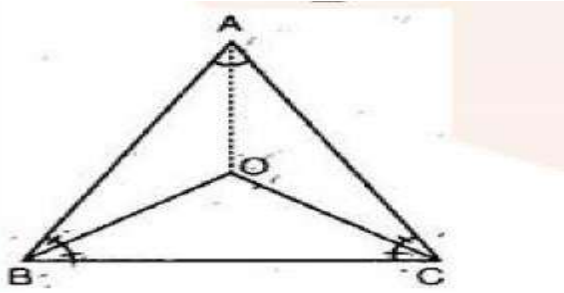
مدارس دارة السلام العالمية- الرياض
Daratassalam International,
Delhi Public School – Riyadh
Summer Holiday Homework (2020)
Grade: IX



SUBJECT: MATHEMATICS

- The sides of a triangle are 8cm; 15cm and 17cm. find its perimeter and its area. Also find the length of the altitude drawn on the side with length 17cm.
- Find the area of quadrilateral ABCD whose sides are 9m, 40m, 28m and 15m. The angle between the first two sides is a right angle.
- If present ages of son and father are expressed by x and y respectively and after ten years father will be twice as old as his son. Write the relation between x and y
- Give the equation of two lines passing through $(2, 14)$. How many more such lines are there and why?
- Express the equation $y = 2x + 3$ in the standard form and find two solutions. Is $(2, 3)$ it's Solution?
- If $(2, 5)$ is a solution of the equation $2x + 3y = m$, find the value of m
- Find the mirror images of the following point using x -axis & y -axis as mirror.
 - $A(2,3)$
 - $B(2,-3)$
 - $C(-2,3)$
 - $D(-2,-3)$
- Draw a quadrilateral with vertices $A(2,2)$ $B(2,-2)$ $C(-2,-2)$, $D(-2,2)$. Classify the quadrilateral and also find its area.
- Represent $\sqrt{6}$, $\sqrt{7}$ & $\sqrt{8}$ on the number line.
- If $x = 3 + \sqrt{8}$, find $x^2 + (1/x^2)$
- Complete the following charts, projects and models
 - Mathematical Painting using tangrams
 - Design a crossword puzzle related to Mathematical concepts.
 - Concept of Rational and Irrational numbers.
 - Historical details of zero
 - Kinds of Quadrilaterals with properties.
- In an isosceles triangle ABC, with $AB = AC$, the bisectors of angle B and angle C intersect each other at O. Join A to O. Show that:
 - $OB = OC$

(ii) AO bisects angle A.



SUBJECT:PHYSICS

1. Plot the following Graphs on Graph papers :

- (i) distance-time graph for body at rest
- (ii) distance-time graph for uniform motion
- (iii) v-t graph for uniform motion
- (iv) v-t graph for freely falling body
- (v) v-t graph for an object thrown upward

2. Make a working model/project demonstrating any law of Physics (from grade 9 to 10). Prepare a brief write-up on A4 sheet.

SUBJECT:CHEMISTRY

Answer the following questions:-

1. Comparison of the physical properties of metals and non-metals. (At least six points)
2. You are provided with a mixture of sand, sodium chloride and ammonium chloride. Suggest an activity to separate them with well labelled diagram.
3. A solution contains 56 gm of Copper Sulphate in 244 gm of water. Calculate the concentration in terms of mass by mass percentage of the solution.
4. What is Tyndall effect? Explain with an example.
5. A solution contains 44g of glucose in 225g of water. Calculate the concentration in terms of mass by mass percentage of the solution.
6. Calculate the amount of water required to prepare 500g of 3.5% solution of lead nitrate.

SUBJECT:BIOLOGY

1. What is endocytosis ?
2. What happens when a plant cell/an animal cell is put in hypertonic solution ?
3. Differentiate between plant cell and animal cell.
4. Mention the functions of these cell organelles –(a) Mitochondria (b) ER (c) Nucleus (d) Chloroplast
5. Write down the structure and function of Epithelium and Muscular tissues
6. How will you prepare stained temporary mount of (a)onion peel and (b) human cheek cells record your observation and draw their labelled diagram

SOCIAL SCIENCES

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/ coloured 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: 7/9/2020

NOTE: Kindly be adhere to the submission date: 9/9/2020

ENGLISH

S. No.	Subjects	Assignments
1	Literature	Study about Robert Frost's life.
2	Literature	Fear No More by Shakespeare {Beehive}
3	Literature	Read Chapters from the Text Books
4	Advanced Writing Skills	Write a story using the hint given below:
5.	Advanced Writing Skills	Describe Idioms

GENERAL INSTRUCTIONS

1. Study thoroughly about the life and works of **Robert Frost** as an American Poet. {Word Limit 200—250}
2. Read the poem, **Fear No More by Shakespeare** & make notes on it. {Word Limit 200—250}
3. **Write a story using the hint given below:** {Word Limit 200—250}
Jack and his friends take a boat trip to a tiny, vacant, off-limit island for a night of celebration. When the sun goes down, they realize just how occupied the island is and there's a reason it's off-limits.....
4. 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 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.
5. **Describe the difference of an idiom and proverb and go ahead to describe the following idioms/proverbs:**
 - (a) jump the gun, (b) bark up the wrong tree, (c) mind your p's & q's, (d) it takes two to tango
 - (e) a leopard can't change its spots, (f) **Can't make an omelette without breaking some eggs**
 - (g) **Don't count your chickens before they hatch** (h) **Biting off more than you can chew**

Note:-The assignments must be done in the English Language Notebook or pin the sheets into your notebook. Please DO NOT submit on loose sheets/files/folders. The homework must be presented neatly and creatively.

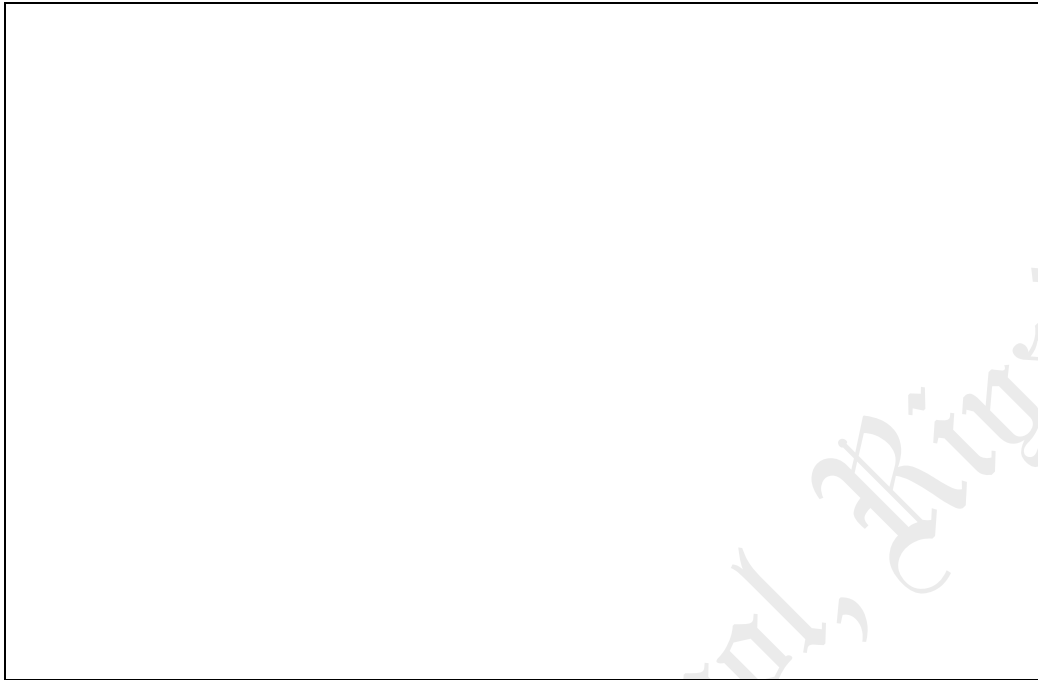
SUBJECT: URDU

1۔ جنگل کی زندگی پر 200 الفاظ کا مضمون لکھیے

- منشی پریم چند پر ایک جامع نوٹ لکھیے

SUBJECT: FRENCH

I- Prépare ta fiche d'identité.



II- Que représente ces sigles:

SNCF

TGV

PDG

ONV

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 au future proche 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 au:**1/ petit déjeuner**

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2/ déjeuner

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3/ goûter

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4/ diner.

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

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.



SUBJECT: ARABIC

- 1- اكتب موضوعا عن الحديقة ما لا يقل عن ١٠ جمل
- 2- اكتب الفرق بين محطة القطار في المدن والقرى في خمس جمل لكل واحدة
- 3- اكتب عن الحياة في القرية في خمس جمل

SUBJECT: TAMIL

S.No.	Grade	Title
1.	IV	Make a table of Uier Mei Eluthukkal – 216 Letters (Example : Text book page 36)
2.	V	Write an essay on any domestic animal you most like. (10 lines)
3.	VI	Write a report on any three famous tourist spots of Tamilnadu. (Include pictures) (Minimum three pages each in A4)
4.	VII	Write a biography of Sir.C.V.Raman and Dr.Abdul Kalam (Minimum three pages each in A4)
5.	VIII	Write a brief essay on any three Tamil traditional games with pictures. (Minimum three pages each in A4)
6.	IX	1. Write an essay on sustainable agriculture (Include pictures) 2. Write an essay on advantages and disadvantages of social media (Include pictures) (Minimum four pages each)
7.	X	1. Write an essay on disaster management. (Include pictures) 2. Write an essay on disadvantages of using plastics. (Include pictures) (Minimum four pages each)

SUBJECT: II LANGUAGE (HINDI)

- 1- ' **कोरोना वायरस से प्रभावित देश दुनिया का जन - जीवन** ' - इस विषय पर एक भाषण तैयार कीजिए।
- 2- ' **संघर्षमय जीवन** ' इस विषय से संबंधित कोई **पाँच कविताओं** को एकत्र करके एक सचित्र एलबम बनाइए ।
- 3- पठित पाठों (गद्य व पद्य) में से प्रत्येक पाठ से **५ पर्यायवाची** और **५ विलोम शब्द** चुनकर लिखिए।
- 4- सभी पठित पाठों की पुनरावृत्ति कीजिए।

SUBJECT: MALYALAM

ഉപന്യാസം തയ്യാറാക്കുക .

1. വളരുന്ന കേരളീയതയും അകലുന്ന നന്മയും
2. വിദ്യാഭ്യാസവും കമ്പ്യൂട്ടറിന്റെ സ്വാധീനവും

കത്ത് തയ്യാറാക്കുക .

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

പത്രവാർത്ത തയ്യാറാക്കുക.

1. മദ്യപിച്ചെത്തുന്നവർ പൊതുമിരത്തിൽ വലിയ പ്രശ്നങ്ങൾ ഉണ്ടാക്കുന്നത് നമ്മൾ കണ്ടിട്ടുണ്ട് . അത്തരക്കാർക്കു എതിരെ ശക്തമായ നടപടികൾ ഉണ്ടാകുന്നില്ല . ഇത്തരം ഒരു സംഭവം വാർത്തയുടെ രൂപത്തിൽ എഴുതുക .
2. നിങ്ങളുടെ വിദ്യാലയത്തിലെ ആർട്സ് ക്ലബ്ബിന്റെ നേതൃത്വത്തിൽ അഞ്ചു ദിവസം നീണ്ടു നിൽക്കുന്ന മലയാളക്ലാസിക് ചിത്രങ്ങളുടെ പ്രദർശനം സംഘടിപ്പിക്കാൻ തീരുമാനിച്ചു എന്ന് കരുതുക . ഈ സംഭവത്തെ ഒരു പത്രവാർത്തയാക്കി മാറ്റുക .