KENDRIYA VIDYALAYA RRL JORHAT AUTUMN BREAK HOME WORK 2022-23 CLASS-XII SUBJECT- 301-ENGLISH CORE

Home Work: (Use CW copies)

Q1: Read the lesson "Poets & Pancakes" (Flamingo) and write about Moral Rearmament Army in about 200 words.

Q2: It is natural for teenagers to have unrealistic dreams. What would you say are the benefits and disadvantages of such fantasizing? Write your answer in about 200 words on the basis of your reading the lesson 'Going Places' (Flamingo).

Q3: What precautions were taken for the smooth conduct of the German O-Level examination in prison and why? Write within 200 words giving instances from the lesson 'Evans Tries An O' Level' from Vistas.

Project 1:Interview-Based research (individual) for FINAL IA

20

Step 1: Do research on any one of the following topics:

- a) Evolving food tastes in myneighbourhood
- b) Corona pandemic and the fallout on families.

Make a questionnaire based on the preliminary research/background& take interviews of 5 to 10 people to collect their ideas on the topic (Prepare video of the interview).

Step 2: Prepare a write up on the interview jotting down the questions and replies collected. Then write a report up to 1000 words on your research. Don't forget to write your comments at the end of your report. (use file papers)

Step 3: Decorate the front page of your Project and submit with the video of the interview.

Project 2: Write, direct and present a theatrical production, /One act play (Group Activity - Group of 4) for FINAL Internal Assessment (IA)

This will be a project which will be done as a team. It will involve planning, preparation and presentation. In short, various language skills will be utilised. There will be researching, discussion, writing the script, auditioning and ultimately producing the play. The project will end with a presentation and subsequently a viva. Teachers will be able to assess the core language skills of the students and help them grow as 21st century critical thinkers.

The Project-Portfolio for both the projects:

The Project-Portfolio may include the following:

- Cover page, with title of project, school details/details of students.
- Statement of purpose/objectives/goals
- Certificate of completion under the guidance of the teacher.

- Action plan for the completion of assigned tasks.
- Materials such as scripts for the theatre/role play or questionnaires for interview and other material evidence of learning progress and academic accomplishment.
- The 800-1000 words essay/Script/Report.
- Student/group reflections.
- Video/ Photographs that capture the positive learning experiences of the student(s).
- · List of resources/bibliography.

KENDRIYA VIDYALAYA RRL JORHAT AUTUMN BREAK HOME WORK 2022-23 CLASS-XII SUBJECT- 041-MATHS

- 1. Write any five activities from math lab manual in practical notebook.
- 2. Solve the questions of chapter 1 to 8 from the sample paper in your notebook.

KENDRIYA VIDYALAYA RRL JORHAT AUTUMN BREAK HOME WORK 2022-23 CLASS-XII SUBJECT- 042-PHYSICS

PRACTICE DERIVATIONS: (in classwork copy)

01. Ampere Circuital law and its applications

02. Moving Coil Galvanometer.

03.LCR series circuit: Impedance and phase difference

04.Transformer: principle and working.05.AC generator: The alternating voltage

PROJECT WORK: Perform a study and paper-work on the following topics:

For Roll no.1 to 19	For Roll no. 20 to 39
Alpha-particle scattering experiment,	Composition and size of nucleus.
Rutherford's model of atom; Bohr	Mass-energy relation, mass defect,
model, energy levels, hydrogen	nuclear fission, nuclear fusion.
spectrum.	

The <u>evaluation of the project/activity</u> will be based on the following Rubrics:

5. No.	Item	Marks
1	Quality & Lay out of the project.	10
2	Visual Presentation of the facts like Description/Content/	20
	Picture/Map/Graph/Diagram/ Derivation etc.	
3	Overall Presentation (Neatness, Handwriting and word limit etc.)	10
4	Assessment of the Project through Questionnaire (Google Form-	10
	10 MCQ or telephonic viva/ any other suitable methodology)	
	Total	50

COMMON LAY OUT OF PHYSICS- PROJECTS

- 1. Cover Page
- 2. Certificate
- 3. Table of contents Page Title
- 4. Title /topic of the Project
- 5. Objective of the Project.
- 6. Brief description of the project.
- 7. Pre requisite Knowledge.
- 8. Material / Resources required.
- 9. Planning /Procedures followed.
- 10. Scientific Concept(s) Used.
- 11. Results (Analysis /Interpretation etc.)
- 12. Conclusions.
- 13. Acknowledgement.
- 14. List of references.

Note: You may add any other relevant points as per your project allotment.

KENDRIYA VIDYALAYA RRL JORHAT AUTUMN BREAK HOME WORK 2022-23 CLASS-XII SUBJECT- 043-CHEMISTRY

- 1. Predict the number of unpaired electrons in the square planar $[Pt(CN)_4]^{2-}$ ion.
- 2. Explain crystal field splitting in both octahedral and tetrahedral complexes.
- 3. Assign reasons for the following:
 - (i) Cu(I) Is not known In an aqueous solution.
 - (ii) Actinolds exhibit a greater range of oxidation states than lanthanoids.
 - (iii) MnO is basic whereas Mn_2O_7 is acidic in nature.
- 4. Actinoid contraction is greater than lanthanoid contraction. Give reason
- 5. Which would undergo S_N2 reaction faster in the following pair and why?

- 6. Explain the terms:
 - a. Optical activity
 - b. Racemic mixture
 - c. Enantiomer
 - d. Diastereomer
 - e. Chirality

KENDRIYA VIDYALAYA RRL JORHAT AUTUMN BREAK HOME WORK 2022-23

CLASS-XII

SUBJECT- 044-BIOLOGY

- 1. Define transformation in Griffith's experiment. Discuss how it helps in the identification of DNA as the genetic material.
- 2. Who revealed biochemical nature of the transforming principle? How was it done?
- 3. Discuss the significance of heavy isotope of nitrogen in the Meselson and Stahl's experiment
- 4. Define a cistron. Giving examples differentiate between monocistronic and polyeistronic transcription unit.
- 5. Give any six features of the human genome.

KENDRIYA VIDYALAYA RRL JORHAT AUTUMN BREAK HOME WORK 2022-23 CLASS-XII SUBJECT- HINDI

	कक्षा बारहवीं शरद कालीन अवकाश गृहकार्य
प्रश्न-1	लेखक ने शिरीष को कालजयी अवधूत (सन्यासी) क्यों माना है
प्रश्न-2	पहलवान की ढोलक कहानी में लुट्टन के जीवन में की क्या परिवर्तन आया
प्रश्न-3	मीडिया को लोकतंत्र का चौथा आधार स्तंभ क्यों कहा जाता है
प्रश्न-4	महामारी फैलने के बाद गाँव में सूर्योदय और सूर्यास्त के में क्या अंतर होता था
प्रश्न-5	आँखों देखा किसी क्रिकेट मैच का वर्णन कीजिए

KENDRIYA VIDYALAYA RRL JORHAT AUTUMN BREAK HOME WORK 2022-23 CLASS-XII SUBJECT- PHYSICAL EDUCATION

Write the answers to the following question in 100-150 words.

- 1. Describe the effects of exercise on muscular system.
- 2. Explain about the SAI Khelo India test with its test batteries.
- 3. Make a fixture of 21 teams in knockout method.
- 4. Explain lordosis and kyphosis with their corrective measures.
- 5. Name any asana that can be done when a person is suffering from high blood pressure and also explain with diagram.

KENDRIYA VIDYALAYA RRL JORHAT AUTUMN BREAK HOME WORK 2022-23 CLASS-XII SUBJECT- 083-Computer Sci.

Solve the following questions:

Q. 1 to 20 page No.460 to page 467

Solve the following questions:

Q. 1 to 22 Page no. 555 to page no. 559. From Computer Science with Python By Sumita Arora