

DELHI PUBLIC SCHOOL GHAZIABAD
FORMATIVE ASSESSMENT II – HOLIDAY HOMEWORK PROJECT
CLASS X

The Project Work in different subjects is as per CBSE requirements and will form a part of *Formative assessment II*.

It is compulsory for all students to do one project in every subject from the list of given project/projects and submit the project file according to the dates of submission. The project may be computer print outs or hand written. This project will be evaluated out of 10 marks as per the evaluation criteria.

CREATIVE WRITING- ENGLISH
CLASS X

Dear students,

Here's your chance to be truly creative – let your thoughts run a race with your pen – and just write, write, write! You may choose any one topic and write on it as you please – you never know – you might see it as a newspaper article, or in the school magazine.

Do pick up one or more books by the authors mentioned and learn to enjoy reading – as a pastime – as an aid to vocabulary – or to help you improve your language.

Fill up the given form and submit it along with your English Holiday Homework.

Write a poem, short article, dialogue, limerick or story on any one of the following topics:-

- 1] Life beyond our earth.
- 2] Choices one makes in one's life and how they affect us.
- 3] A tribute to anyone whom you emulate.
- 4] Brochure on any tourist site.
- 5] Autobiography of a shoe, lunch box, newspaper, door mat, car or a motorbike.
- 6] Prepare a cartoon strip on any humorous topic with at least 3-5 sets of dialogues.
- 7] Analyze any character from a story that you have read stating his/her physical attributes, qualities and achievements.
- 8] Write a short story with a moral or any personal experience which has taught you a lesson for life.

SUGGESTED READING - Books or stories by the following authors:-

- 1] Ruskin Bond
- 2] R. K. Narayan
- 3] Rabindra Nath Tagore
- 4] Anita Desai

BOOK ASSESSMENT FORM

1.] NAME OF THE BOOK YOU HAVE READ:-

2.] NAME THE CHARACTER WHO APPEALED TO YOU THE MOST AND WHY?

3.] RATE THE BOOK ACCORDING TO YOUR LIKING:-

*POOR **FAIR ***GOOD ****EXCELLENT

4.] DID YOU ENJOY THE WAY THE BOOK ENDED? WHY?

5.] WRITE ANOTHER ENDING TO THE STORY.

**हिन्दी
परियोजना कार्य**

अंक- 10

निम्नलिखित में से कोई एक परियोजना तैयार कीजिए-

- क** किसी एक विषय पर 10 -15 पंक्तियों की स्वरचित कविता लिखिए-
वर्षा ऋतु ,हमारा देश, मेरी माँ, मित्रता
- ख** किसी सेवानिवृत्त (रिटायर्ड) व्यक्ति का साक्षात्कार लीजिए-
1- परिचय , 2- शिक्षा , 3-उपलब्धियाँ , 4- सन्देश
- ग** पर्यावरण प्रदूषण' की समस्या पर एक हास्य लघुनाटिका लिखिए।
(नाटिका संकलित भी हो सकती है)

संस्कृत परियोजना कार्य

निम्नलिखित में से कोई एक परियोजना कार्य तैयार कीजिए -

- (क) 'आज्ञा गुरुणाम् हि अविचारणीया' पाठ के आधार कोलाज़ (Collage) ड्राइंग शीट पर तैयार कीजिए ।
- (ख) 'श्रीमद्भागवत् गीता' के कर्मयोग अध्याय के आधार पर निम्नलिखित बिन्दुओं पर अपने विचार प्रस्तुत कीजिए - (श्लोक सहित ए फ़ोर शीट पर)
(i) जीवन में कर्म क्यों आवश्यक है ?
(ii) कर्म और जीवन का क्या सम्बन्ध है ?
(iii) सच्चा कर्मयोगी कौन है ?
- (ग) 'वाङ्मयं तपः' पाठ को कम्प्यूटर तकनीक पावर प्वाइंट (PPT) के माध्यमसे तैयार कीजिए ।

हिन्दी परियोजना / संस्कृत परियोजना आवश्यक निर्देश -

- 1 परियोजना एक 'रूल्ड शीट 'पर तैयार कीजिए।
- 2 सुलेख के लिए दो अंक निर्धारित हैं।
- 3 परियोजना का विषय/भाव के लिए चार अंक निर्धारित हैं।
- 4 आकर्षक प्रस्तुतीकरण के लिए चार अंक निर्धारित हैं।

MATHEMATICS PROJECT

Evaluation of project work

The project can be carried out beyond the school working hours.. The weightage of ten marks for project work could be further split up as under

Identification and statement of the project	:	01 mark
Design of the project	:	01 mark
Procedure/processes adopted	:	03 mark
Write-up of the project	:	03 mark
Interpretation of result	:	02 mark

The project file should contain the following pages:

- Page 1 : Certification
Page 2 : Index / Content
Page 3 : Acknowledgement

Page 4 : Statement of the project and its objective

- Procedure or Process adopted in the project
- Design of the project
- Write up of the project/ Project Report
- Interpretation of the project
- Bibliography



Can contain many pages for each

Page 1 :

CERTIFICATION

This is to certify that _____ Roll no _____ is a student of class _____ . He/She has prepared a project titled _____ under the guidance of

Name of the teacher

HOD

Page 3 :

ACKNOWLEDGEMENT

I wish to extend my thanks to my teacher _____ for his/her informative and illuminative guidance. I take this opportunity to express my deep sense of gratitude and whole hearted thanks to my teacher for her valuable guidance and support.

At last my sincere thanks to all those who have directly or indirectly helped me during the making of the project.

Name of the student

Roll No

Class and Sec

Project - 1

Frequency of letters/words in a language

Objective: Analysis of a language text, using graphical techniques.

Description

1. Select any paragraph containing approximately 250 words from any source. e.g. newspaper, magazine, textbook, etc. and paste it in project file
2. Read every word and obtain a frequency table for each letter of the

Letter	Tally marks	Frequency
A		
B		
.		
.		
Z		

Note down the number of two-letter words, three-letter words,so on and obtain a frequency table as follows

Number of words with	Tally marks	Frequency
2 letters		
3 letters		
.		
.		

3. Investigate the following

From table 1

- a) What is the most frequently occurring letter?
- b) What is the least frequently occurring letter?
- c) Compare the frequency of vowels?
- d) Which vowel is most commonly used?
- e) Which vowel has the least frequency?
- f) Compare the percentage of vowels with that of consonants in the given text.

From table 2

- a) Compare the frequency of two letter words, three letter words,.....and so on.
- b) Note any interesting patterns.

Project - 2

Project for cricket fans

Observe any one of the cricket match ball by ball. Record and tabulate the findings and interpret the data using the graphical method which you have learnt till date (at least three different types.)

Eg Tabulation of

- a) Score card for Batsman's analysis.
- b) Table for Bowler's analysis
- c) Table for fall of wickets

Graphs of

- a) Run rate for both teams on the same graph paper
- b) Runs per over.

Project - 3

Find the cost of window panes of your class

Objective:

- Find the cost of window panes of their class.
- To sensitize the students about the value of the facilities provided to them by the school.
- To introduce them to the present day market and helping them to understand the importance of cost effectiveness.

Procedure:

- (a) Find the area of objects used
- (b) Cost of the materials used
- (c) Find the cost of overhead expenses- transportation, breakage while fitting, wastage, cost of putty (case 1) etc
- (d) Labour expenses etc

Methodology

- Conducting surveys for cost effectiveness.
- Using Mathematical formulae for finding the cost of the window panes.
- Interpretation and conclusion drawn.

SUBJECT: PHYSICS

Dear students,

Let us join hands and become an energy conscious individual. All of you become an energy spy for two days, one in the month of May and one in the month of June.

OBJECTIVE

Students will be able to

- Read power and voltage rating written on electrical gadget.
- Calculate energy consumed by one electrical gadget.
- Convert energy consumed from joule to KWh.
- Find bill amount by multiplying total number of electrical units used by the cost of one unit of electricity.
- Suggest measures of energy conservation by understanding importance of electrical energy.

PROCEDURE

- List down all the major electrical gadgets operational in your home in a day.
- Read power (P) and voltage rating written on electrical gadget.
- Note down their time of operation (t).
- Calculate energy consumed (E) by one electrical gadget in a day.
- Calculate total energy consumption (E) by all the appliances in a day.
- Calculate total energy consumption (E) by all the appliances in a month.
- Convert energy consumed from Joule to KWh { number of electrical units used (N) }
- Find bill amount by multiplying total number of electrical units used by the cost of one unit of electricity
- Compare calculated bill amount in the two months (through bar graph)
- Suggest FOUR measures to minimize the electrical energy consumption.
- Project report can be computerized/ handwritten (not more than 3 pages)

PRESENTATION

- 1 Write in tabular form
 - (a) Name of electrical gadget
 - (b) Power rating (P)
 - (c) Time of operation (t)
 - (d) Energy consumed per day(E)

SAMPLE TABLE FOR MONTH 1

S.NO.	ELECTRICAL GADGET	POWER RATING(P)in Watts	TIME (t) in sec	ENERGY CONSUMED $E=P \times t$ (PER DAY) in Joules
1	Television	P1	t1	E1
2	Computer	P2	t2	E2
3	Washing Machine	P3	t3	E3

DRAW SIMILAR TABLE FOR MONTH 2

- 2 Calculate total energy consumed per day in both May and June
 $E = E_1 + E_2 + E_3 + \dots + E_n$ Joules
- 3 Calculate total energy consumed in one month in both May and June
 $E_T = 30 \times E$ Joules

- 4 Calculate units consumed in one month in both May and June
No. Of units(N) = $E_T / 3.6 \times 10^6$ kWh
- 5 Bill amount
 $A = N \times \text{Cost of one unit}$ (refer to any electricity bill)
- 6 Compare calculated bill amount in the two months (through bar graph)
- 7 Suggest four measures to minimize the electrical energy consumption.

EVALUATION CRITERION

Recording of data in tabular form.	4M
Comparison of calculated bill amount with actual bill amount (through bar graph)	2M
Measures to minimize energy consumption	2M
Over all presentation	2M

SOCIAL SCIENCE (DISASTER MANAGEMENT)

PREPARATION AND SUBMISSION OF REPORT

Following essentials are required to be fulfilled for its preparation and submission-

1. The total length of the project report will not be more than 15 written pages of A4 size.
2. The project report will be hand written and credit will be awarded to original drawing , illustrations and creative use of materials.
3. Student should continuously discuss with the teacher and prepare a draft before finalising the report.
4. The perfect report will be presented in a neatly bound folder.
5. The project report will be developed and presented in this order.
 - **Cover page**- showing project title, student information, school and year.
 - **Acknowledgements**- (acknowledging the institution offices and libraries visited and persons who have helped).
 - **Project Overview**- Purpose, Aim, Methodology and experiences while doing the Project.
 - **Chapters** with relevant headings.
 - **Summary and conclusions** based on findings.
 - **Planning** and activities to be done during the project, if any giving a calendar of Activities
 - **Bibliography**: should have the title, pages referred, author, publisher, year of Publication and if a website the name of the website with the specific website link which has been used.
 - All the photographs and sketches should be labeled and acknowledged.
 - Teacher's evaluation report.
6. The project will be returned to the students after evaluation. The school may keep five reports each representing different levels from class IX,X for record.

SCHEME OF EVALUATION

Following are the salient features of the scheme of evaluation of the project work.

1. The project will be evaluated internally.
2. All the concerned Social science teachers in consultation with each other should share evaluation of the projects.
3. Question based on the conclusion of the project will be given as a test of 10 minutes duration after submission of the project

ALLOCATION OF MARKS

Total Marks will be allocated over the different aspects of the project work in the following manner-

<u>S.NO.</u>	<u>ASPECTS</u>	<u>MARKS</u>
1	Contents accuracy and originality	2
2	Presentation and creativity	1
3	Process of project completion, initiative, cooperativeness, participation and punctuality	2
4	Viva or written test for content assimilation	1

CRITERIA FOR PROJECT WORK

Content accuracy and originality	Reads original sources and chooses content from books and internet.
Presentation	Present report with original thoughts and opinions supported by facts
Process of project completion	Chooses topics on ones own, shares information willingly, takes responsibility
Viva	Answers of all questions in written or oral form should <ul style="list-style-type: none"> • Be relevant and appropriate • Reflect original thinking • Reveal confidence in believing in the Work done.

Every student has to compulsorily undertake one project on Disaster Management . A list of topics for the project work is enclosed for ready reference in annexure 1. These projects have been carefully designed so as to –

- (a) Create awareness in learners
- (b) Enable them to understand and co- relate all aspects od Disaster Management .
- (c) Relate theory with practice
- (d) Provide hands on experience

ANNEXURE 1

TOPICS/ THEMES FOR PROJECT WORK ON DISASTER MANAGEMENT

CLASS X

Do any one of the following:

PROJECT 1- SAFE CONSTRUCTION PRACTICES TO AVOID DISASTER IN FUTURE FOR THE FOLLOWING HAZARDS-

- ❖ **TSUNAMI**
- ❖ **EARTHQUAKE**
- ❖ **FLOODS**
- ❖ **LANDSLIDE**
- ❖ **CYCLONE**

PROJECT 2- GENERATING AWARENESS ON DISASTER MANAGEMENT

Design a 10 minute skit on Disaster Management . Design poster on do's and don't of various hazards prevalent in the country. Enact the skit by using the posters in the assembly of your school. The skit and posters can also be used to make the junior student aware.

PROJECT 3- PREPARATION OF MODELS OF DISASTER RESILIENT STRUCTURES

Make layout of the models based on structural improvement in buildings in a rural/ urban community in coastal areas prone to floods/ cyclones or in areas prone to earthquake / landslides. Show the special features of the buildings and indicate the early warning system that could be best used in that community.

PROJECT 4 POCKET GUIDE ON FIRST AID

Prepare a pocket guide on first aid for your school . The First Aid pocket guide should contain aid that needs to be given for fracture, poisoning, cuts and burns, heats and cold wave and other threats that are prevalent in that area. The content shared in the guide should be supported with adequate pictures so as to give a clear and elaborate understanding about the topics. Choose awareness campaign strategy for either senior citizen or illiterate people and prepare a brief write up.

PROJECT 5 – COMMUNICATION FACILITIES FOR DISASTER MANAGEMENT

Choose any one method of communication from various means of communication like radio/satellite/television/Ham Radio which are used by government departments such as Indian Meteorological Department to disseminate information. Find out how the information is disseminated by them at various levels during disasters. Prepare a report.

