



Maharani Gayatri Devi Girls' School
Sawai Ram Singh Road, Jaipur

ब्रह्मव्यासहेतुः

HOLIDAY ASSIGNMENT
CLASS - 11
SESSION -2023-2024

INDEX

- 1. English**
- 2. Hindi**
- 3. Sanskrit**
- 4. Physics**
- 5. Chemistry**
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- 7. Biotechnology**
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- 9. Math**
- 10. Applied Math**
- 11. Business Studies**
- 12. Accountancy**
- 13. Economics**
- 14. Entrepreneurship**
- 15. Computer Science**
- 16. Informatics Practices**
- 17. History**
- 18. Geography**
- 19. Sociology**
- 20. Political Science**
- 21. Psychology**
- 22. Physical Education**
- 23. Yoga**
- 24. Commercial Art**
- 25. Painting**
- 26. Dance Kathak**
- 27. Dance Bharatnatyam**

SUMMER HOLIDAY ACTIVITIES

ENGLISH



1. Create a collage of your family photographs on an A4 size sheet. Write a creative composition (poetry/prose) capturing emotions of the photographs/relationship with family members. (120-150 words on A4 size sheet)
2. Design a creative card for your mother expressing love and gratitude for her. Present the card to your mother and click a picture with her creating happy memory. Add two activities you did from your side to make the day more memorable. Click pictures of the same and paste them on A4 size Sheet and attach in the file. The cards will be displayed in the class on 5th July 2023 and thereafter taken back for memories.
3. Cut Classified Advertisements of the given types from English newspaper and paste on an A4 size sheet.

Types Of Classified Advertisements

- Situations Vacant/Wanted
- Sale and Purchase
 - Property
 - Vehicle
 - Household/Office Goods
- To Let
- Educational
- Change of Name/Address /Other information

{NOTE: Attach all the above activity sheets in a cardboard file.

The date of submission is 5th July 2023. The file will be later on used for English Project submission}

4. The English Project details as discussed with your subject teacher need to be followed.

अवकाश गृहकार्य
सत्र202-32-4
विषय- हिंदी(302-कोड)
कक्षा 11



- निर्देश- *छात्राएँ अवकाश गृहकार्य को अपनी कार्यपुस्तिका में करेंगी ।
* परियोजना कार्य हेतु फाइल का प्रयोग करेंगी
*कार्य करते समय सुन्दर लेखनी एवं रचनात्मकता का ध्यान रखेंगी ।



परियोजना कार्य :

- निम्नलिखित विषयों स्वरुचि पर आधारित किसी एक विषय पर सचित्र परियोजना कार्य तैयार /
1 पृष्ठों में होना चाहिए 20-10 परियोजना कार्य का विस्तार । कीजिए
भावना-हिंदी साहित्य में भक्ति* भारतीय ग्रामीण जीवन* * जनसंचार के माध्यम आदि
.2स्ववृत्त लेखन किसी विद्यालय में हिंदी अध्यापिका के पद हेतु आवेदन कीजिये इस हेतु :
1 प्रस्तुत कीजिए(बायोडाटा) अपना स्ववृत्त
.3वाचन । श्रवण कौशल गतिविधि हेतु स्वरुचि के अनुसार गद्य एवं पद्य अंश तैयार कीजिये,

विषय: - संस्कृत
कक्षा - 11



निर्देशाः -

1. अभ्यासकार्यस्य प्रत्येक विषयस्य 5 प्रश्नाः करणीयाः।
2. लेखनस्य स्मरणकार्यस्य च गतिविधिम् आन्तरिक-मूल्याङ्के ग्रहीष्यते।
3. अवकाश-गृहकार्यम् पृथक् कार्यपुस्तिकायां कर्तव्यम्।
4. कार्यप्रस्तुतिकरणस्य अन्तिमतिथिः 30/6/23 अस्ति।

अ अभ्यासकार्यम् - क अपठित - अवबोधनम्

ख पत्रलेखनम्

ग लघुकथालेखनम्

Elink- www.studiestoday.com

ब लेखनकार्यम् - कस्मिन् एव विषये 100 शब्दानाम् एकः अनुच्छेदः लिखत। (A 4 Sheet)

यथा - अनुशासनम्, यात्रावर्णनम्, मम जीवनलक्ष्यम्, मम विद्यालयः मह्यं रोचते आदयः।

स स्मरणकार्यम् - संस्कृतगीतम् (कस्मिन् एव विषये) स्मरत।

E link - [Jayatu.sanskritam](http://Jayatu.sanskritam.com), [Gaiea.Sanskrit](http://Gaiea.Sanskrit.com)

SUBJECT: Physics

A. Revise the basic mathematical tools, graphs and Dimensional analysis and chapter
-Motion in a straight line

B. Write down the following activities given below, neatly in the Activity file:

1. To study the variation in the range of a projectile with angle of projectile.
2. To study the conservation of energy of a ball rolling down an inclined plane (using a double-inclined plane)
3. To make a paper scale of given least count, eg .0.2 cm, 0.5cm
4. The activity should specifically consist of the following details:
 1. Aim of the activity
 - 2 Materials required
 3. Diagram
 4. Theory
 5. Observation
 - 6 .Calculation and graph (If required)
 7. Result
 8. Precautions
 9. Sources of error

For reference: www.learncbse.in

CBSE lab manual

SUBJECT: CHEMISTRY CLASS –XI

GENERAL INSTRUCTIONS:

1. Please submit the Homework after the school reopens.

Practical records to be completed:

A) Write the analysis of the given Acid Radicals as per instructions given in the classroom

1. Carbonate
- 2 Sulphide
- 3 Sulphite
- 4 Nitrite
- 5 Acetate
- 6 Oxalic Acid
- 7 Chloride
- 8 Bromide
- 9 Iodide
- 10 Nitrate
- 11 Sulphate
- 12 Phosphate

B) Following are the list of projects .You have to select a topic from the list after discussion with the subject teacher and prepare a write up for the same.

1. Study of the quantity of casein in different samples of milk.
2. Preparation of Soya bean milk.
3. Analysis of honey.
4. Analysis of different samples of cold drinks.
5. Preparation of Rayon thread from filter papers.
6. Study the presence of insecticides and pesticides in fruits and vegetables.
7. Extraction of caffeine from tea leaves.
8. Analysis of vegetables and fruit juice.

NOTE : You can also select other topics for the project but it should be investigatory.

The Project Write up should have –

- a) Aim,
- b) Principle/Theory
- c) Procedure,
- d) Diagram/ Pictures
- e) Observation table,
- f) Result and
- g) Merits an demerits
- h) Bibliography

C) Read the Chapters 1.Basic concepts of Chemistry 2.Structure of Atom

And solve all the Questions Mentioned in NCERT

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SUBJECT- HOME SCIENCE

Write two recipes rich in various nutrients using millet as one of the main ingredients as healthy snacks for adolescents.

SUBJECT- BIOTECHNOLOGY

Art Integrated Projects: Any one activity can be selected from the list given below for “Art Integration in Biotechnology”; and submit your work as a hard copy.

1. Infographic Making: To create an Interactive 3D infographic using any software to show the structure of DNA or RNA/ Biomolecules and convert it to a video explaining the structure conferring stability/ using any relevant information.
2. Cartooning: To create a cartoon using any app (you can choose any topic from your Textbook).
4. Sketching/Painting: To draw/compare and contrast Mitosis and Meiosis

SUBJECT – BIOLOGY

Instructions

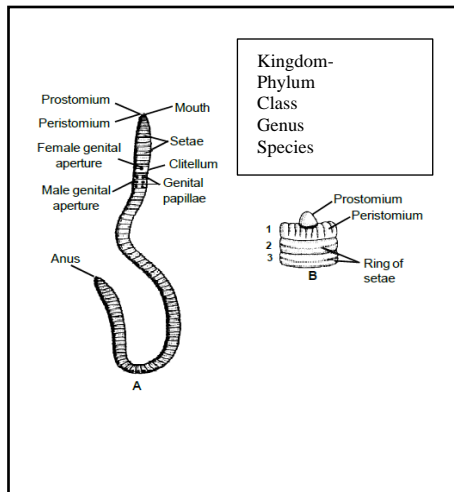
- I. *Note the following experiments in the biology practical file.*
- II. *While writing the experiment, the diagrams should be drawn on the left side blank sheet and the written matter should be on the ruled sheet(right side).*
- III. *The content can be written from any lab manual or using the given link – <https://ncert.nic.in/science-laboratory-manual.php>*
- IV. *This work is to be submitted when the school will reopen.*

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- 1 Study of osmosis by potato osmometer.
 - 2 Study of plasmolysis in epidermal peels (e.g. Rhoeo/lily leaves or flashy scale leaves of onion bulb).

- 3 Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.
- 4 Specimens/slides/models and identification with reasons – Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen.
- 5 Virtual specimens/slides/models and identifying features of – Amoeba, Hydra, liverfluke, Ascaris, leech, earthworm, prawn, silkworm, honeybee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit.

Note: For the plant and animal kingdom diagrams i.e. 3 and 4 : The layout should be as under

LEFT SIDE



RIGHT SIDE

IDENTIFYING	
FEATURE/COMMENTS:	
1.	
2.	
3.	

SUBJECT: MATHEMATICS CORE

Instructions

1. *For any queries, contact your subject teacher.*
2. *Revise the syllabus covered till now.*
3. *The last date of submission of the assignment is 28/06/ 2023*

1. Do miscellaneous exercises and examples of the following chapters:
 - i. Sets, Relations and Functions
 - ii. Sequences and Series
 - iii. Permutations and Combinations
 - iv.
2. Do activities/ project as per your teacher’s guidance.

MATHS LAB ACTIVITIES & PROJECTS:

<https://ncert.nic.in/pdf/publication/sciencelaboratorymanuals/classXI/mathematics/kelm401.pdf>

<https://ncert.nic.in/pdf/publication/sciencelaboratorymanuals/classXI/mathematics/kelm402.pdf>

SUBJECT : APPLIED MATHEMATICS
CLASS : XI

Instructions

1. *Revise the syllabus covered till now.*
2. *For any queries, contact your subject teacher.*
3. *The last date of submission of the assignment is 28/06/ 2023*

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1. Do exercises and examples of the following chapters from Handbook

Sets, Relations and Functions
Sequences and Series
Permutations and Combinations

Link to handbook

https://cbseacademic.nic.in/web_material/Manuals/Applied_Mathematics.pdf

2. Do project as per your teacher's guidance. Students may find suggested topics in the link below.

https://cbseacademic.nic.in/web_material/CurriculumMain24/SrSec/Applied_Mathematics_SrSec_2023-24.pdf

Commerce Department
Holiday Homework (2023-24)
Class XI

Business Studies:

1. Revise Chapters 1 ,6 and 9 thoroughly.
2. Make the assigned Working Model as per the guidelines discussed in the class.

Accountancy:

1. Revise Chapters 1, 2, 5, 6 and 8.
2. Make the assigned Working Model as per the guidelines discussed in the class.

Economics:

1. Revise Chapters 1, 2 and 3 in Statistics and Chapter 1 in Microeconomics.
2. Make a Questionnaire comprising not less than 25 questions on the guidelines as discussed in the Class.
3. Make the assigned Working Model as per the guidelines discussed in the class.

Entrepreneurship:

1. Revise Chapters 1 and 2 thoroughly.

Develop a Questionnaire comprising of not less than 18 questions based on the Business Ideas as approved in the class.



**Sub: COMPUTER SCIENCE -XI
HOLIDAY HOMEWORK 2023-24**

XI	CS	<p>1. Draw a flowchart to find out three numbers A,B, and C.</p> <p>2. Write pseudocode to calculate the factorial of a number(N).</p> <p>3. Dry run the algorithm given below which contains a for loop inside another for loop. Show the trace table.</p> <pre> num ← 0t total ← 0 FOR i ← 1 to 3 FOR j ← 1 to 3 num← j * i total ← total + num #END of inner FOR #END of outer FOR PRINT total </pre> <p>4. What are the basic postulates of Boolean algebra?</p> <p>5. Draw the logic circuit for this Boolean equation:</p> $Y = \bar{A} \bar{B} \bar{C} D + \bar{A} \bar{B} C \bar{D} + A \bar{B} C D + A \bar{B} \bar{C} \bar{D}$ <p>6. Convert :-</p> <ol style="list-style-type: none"> i. $(47)_{10}$ to $()_2$ ii. $(11110)_2$ to $()_{10}$ iii. $(17)_8$ to $()_2$ iv. $(1111000)_2$ to $()_{16}$
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Subject- INFORMATIC PRACTISES

1. Define the following terms:

- a) Relation
- b) Tuple
- c) Attribute
- d) Domain
- e) Meta data
- f) Candidate key
- g) Cartsian product
- h) Degree

2. What is the importance of a Primary Key in a table? Explain with a suitable example.
3. A school has a rule that each student must participate in a sports activity. So each one should give only one preference for sports activity. Suppose there are five students in a class, each having a unique roll number. The class representative has prepared a list of sports preferences as shown below. Answer the following:

Table: Sports Preferences

Roll no	Preference
9	Cricket
13	Football
17	Badminton
17	Football
21	Hockey
24	NULL
NULL	Kabaddi

- a) Roll no 24 may not be interested in sports. Can a NULL value be assigned to that student's preference field?
 - b) Roll no 17 has given two preference sports. Which property of relational DBMS is violated here? Can we use any constraint or key in the relational DBMS to check against such violation, if any?
 - c) Kabaddi was not chosen by any student. Is it possible to have this tuple in the Sports Preferences relation?
4. A. Create the table given below.

Table: Teacher

No	Name	Age	Department	Dateofjoin	Salary	Sex
1.	Jugal	34	Computer	10/01/97	12000	M
2.	Sharmila	31	History	24/03/98	20000	F
3.	Sandeep	32	Maths	12/12/96	30000	M
4.	Sangeeta	35	History	01/07/99	40000	F
5.	Rakesh	42	Maths	05/09/97	25000	M
6.	Shyam	50	History	27/06/98	30000	M
7.	Shiv Om	44	Computer	25/02/97	21000	M
8.	Shalakra	33	Maths	31/07/97	20000	F

- B. a). To show all information about the teacher of History department.
- b). To list the names of female teachers who are in Hindi department.
- c). To list names of all teachers with their date of joining in ascending order
- d). Increase salary of teacher records by 10% (table teacher)
- e). Give commission of Rs. 500 to all teacher who joined in year 2012 (table teacher)
- f). Modify table teacher, add another column called Grade of VARCHAR type, size 1 into it.
- g). Add a constraint (NN-Grade) in table teacher that declares column grade not null.
- h). Insert a record of your choice in table teacher . Make sure not to enter Grade.
- i). Modify the definition of column grade in table teacher. Increase its size to 2
- j). Rename table teacher as teacdetails.
- k). Drop the column teacher incomegroup from table teacher.
- l). Drop the table teacher.

SUBJECT- HISTORY

TOPIC: 1. Project Work- Shortlist few topics and prepare an outline structure on those topics to be discussed in class.

2. Topic will be finalised after discussion in the class.

3. Frame MCQ's from chapter 1 and 2 in the registers.

4. Watch the episodes of Bharat Ek Khoj by Pd Jawahar Lal Nehru.

5. Question and Answers discussed in the classroom from chapter 1 and 2 to be done in the register.

SUBJECT-GEOGRAPHY

TOPIC: Importance of Maps in Geography

Note-Read the information given below and answer the following questions.

A map is a simplified depiction of the whole or a part of the earth on a piece of paper. A map is drawn at a reduced scale. Cartography, being an art and science of map making, does include a series of processes that are common to all the maps.

The essentials or processes of map making are scale, map projection, map generalisation, map design and, map construction and production. The types of maps based on the scale are large scale maps and small scale maps. Large scale maps are cadastral maps and topographical maps. Small scale maps are wall maps and atlas maps.

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On the basis of their functions, the maps can be classified as physical maps and cultural maps.

Physical maps show natural features such as relief, geology, soil, drainage, climate and vegetation etc. Cultural maps show man-made features such as political boundaries, population distribution, transportation lines etc.

Maps are used by geographers, planners and resource scientists for the measurement of distance, direction and area. Distance on the map is measured by using scale, thread and rotameter. Direction is measured with the help of a compass. Thus, maps are an important tool in geography.

Write the answers of the following questions in your notebook.

Question 1. What are Maps?

Question 2. What is the importance of Maps in Geography?

Question 3. Why maps are considered as an important tool for Traveller?

Question 4. What are Physical Maps?

Question 5.What are Cultural Maps?

Make a Sketch Map for the route you will take to reach from your home to School on A 3 size sheet .

Make a Poster on A3 size Sheet on the theme of World Environment Day -Beat the Plastic Pollution.

Learn the topic -Sustainable Development Write a brief note on 17 SDGs and how India can achieve the following Goals by 2030.

1.No Hunger

2.Zero Poverty

3.Quality Education

4.Gender equality.

Subject: Sociology **Class-XI**

1. Describe the background of society before the origin of sociology as a discipline?
2. Who is considered as Father of Sociology and explain his contribution in sociology?
3. Find out three major sociological thinkers and their contribution in sociology? Make their time line and important theories given by them.
4. Choose any social problem/issue of your choice prevailing in the society, explain it and provide solutions according to you.

HOLIDAY ASSIGNMENT 2023-24 **CLASS XI** **SUBJECT: POLITICAL SCIENCE**

One Project to be done throughout the session, as per the existing scheme. The Project can be made on any of the topics given in the syllabus of class XII. Students can use primary sources available in city archives, Primary sources can also include newspaper cuttings, photographs, film footage and recorded written/speeches. Secondary sources may also be used after proper authentication. Use maps cartoons, events, timelines etc for presentation.

Students may work upon the following lines:

1. Choose a topic
2. Need/objectives of the study

3. Content -Timeline, Maps, Mind maps, Pictures, etc.
4. Organization and presentation of Material/Data
5. Analyzing the Material/Data for Conclusion and draw the Relevant Conclusion
6. Bibliography

Expected Checklist for the Project Work:

- Introduction of Topic
- Identifying the events, causes, consequences or remedies
- Various stakeholders and effects on each of them
- Advantages and disadvantages of situation or issues identified
- Short term and long term implications of strategies suggested in the course of research
- Validity, reliability, appropriateness and relevance of data used for research work and for presentation in the project file
- Presentation and writing that is succinct and coherent in the project file
- Citation of the materials referred to, in the file in the footnotes, resources section, bibliography etc

The marks will be allocated under the following heads:

SL.NO.	COMPONENTS	MARKS ALLOTTED
1	INTRODUCTION/OVERVIEW	2
2	VARIETY OF CONTENTS	3
3	PRESENTATION	3
4	CONCLUSION	1
5	BIBLIOGRAPHY	1
6	VIVA-VOCE	10
	TOTAL	20

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SUBJECT- Psychology

Project Work-

1. Topics given to students in the class
2. Students are instructed in the class about research methodology and data collection.
3. Report writing to be done on the basis of the topic
4. Chapter 1- Introduction to Psychology – questions and answers to be done in the register and to be submitted once the school reopens.

**SUBJECT- PHYSICAL EDUCATION
CLASS-XI**

RESOURCE MATERIAL-

- *Any physical education reference book (Saraswati Publication) which you can easily get.
- *You can download from the website CBSE.nic.in

GENERAL INSTRUCTION-

- Submission on opening.
- Students can contact for any doubt through email- dr.monikamathur9@yahoo.com

HOLIDAY HOME WORK

Make a Record file:

Any one game of your choice out of the list-Badminton, Taekwondo, Swimming and Shooting

- History of the game
- Labeled diagram of field and equipment
- Rules and regulation of the game
- Terminologies of the game
- Fundamental skill of the game
- Personalities
- Venue and Tournament

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Yoga

Read unit one

Yoga Practice During Summer Vacation

1. Om chanting-9 times
2. Spot jogging - 1 minute
3. Neck exercises, shoulder rotation, simple leg bending from knee
- 4 . Forward-backward bending
5. Spinal Twisting
6. Paschimotanasan-30 seconds
7. Dhanurasan- 15 seconds
- 8.Pawanmuktasan-30 seconds
9. Shavasan-2 minutes
10. Bhastrika pranayam- 1-2 minutes (deep breathing little fast)
- 11.Kapalbhati- 50 strokes
12. Anulom-vilom-5 minutes
13. Bhramari Pranayam- 5 times
- 14.Meditation (concentrate and feel your natural breathing)

15. Laughing exercise.

ठगना पाप है ठगे जाना नहीं - भगवान राजा राम

* Drink water in a sufficient amount

* Don't stress

* Pray God to keep this universe Happy and Healthy

*Put water for birds at your home

*Obey Elders

*Before getting down from bed do little exercise of your legs which are asked you during Yoga sessions.

* Don't watch TV while eating

*Chew your food properly

*Promote health, hygiene and cleanliness

*Take sufficient sleep and on right time.

*Keep smiling and be positive

*Learn something new

Enjoy your Holidays.

Spend or waste your time wisely.

Painting and Commercial Arts

Make 50 object sketches in A4 Size Sketch Book in Pencil/Pencil colour/Charcoal, Pen .

Dance Kathak

ग्रीष्मकालीन गृह कार्य

कक्षा में करवाए गए सारे पाठ्यक्रम का अभ्यास । 1. ताल तीन ताल में रंगमंच प्रणाम

2. ततकर के 4 प्रकार

3 ठाट 1

4., तिहाई 2

5.1 लेकर के 10 तोड़ों का अभ्यास।

Dance Bharatnatyam

1 Practice everything done during the classes.

2. Learn theory questions