



Ramjas International School

Sector - 4, RK Puram, New Delhi - 110022

Dear students,

Summer vacation is the time when you can be more candid and creative. This is the time when skills, other than intellectual skills can be nurtured and developed. Holiday assignments are focused to let the creative and latent talents, skills and desires of the children come to the surface so that they can be identified. These summer holidays make an effort to learn a new hobby. This is your chance when you can be some help to your family members. Make the utmost use of these days. So dear students, enjoy doing the activities / assignments. Ensure timely completion and submission of the work given. Let it be an overall enriched learning.

PLEASE NOTE - Summer break begins from 25th May to 30th June

ENGLISH
Summer Vacation
Holiday Home Work
2024-25

A. Study the English literary periods given below:

- i) The Romantic Period
- ii) Victorian period
- iii) Modern period
- iv) Postmodern/contemporary period

Select any one period from the above. Research and compile the following for the topic selected in a project file:

1. General Introduction of the period
2. Two eminent poets/writers (paste images of the poets and their work)
3. Study two of their works in detail and cover the following:
 - a) Salient features of the literary work selected
 - b) Style of its writing
 - c) Contemporary influences
4. The project file should contain:
 - i) Index page
 - ii) Acknowledgement
 - iii) Certificate of completion
 - iv) Topic
 - v) Objective
 - vi) Report/student reflection
 - vii) Bibliography

B. Look up the 'Situations Vacant' columns of the newspaper you get at home. Pick out **ANY TWO** Situations Vacant Advertisements and draft your application in response to the same. Pick out advertisements from different fields/ professions.

Place each of the applications along with your CV in a sealed envelope and submit the envelopes after the vacations.

- C. In about 120-150 words write a Report on the following:
- a) A detailed account of polling for the Lok Sabha Elections in your area.
 - b) An on ground giving details of the ongoing conflict between Israel and Palestine on the Gaza Strip. You are a reporter working for the 'The Print'.

Summer Vacation
Holiday Home Work

2024-25

1. Revise all the chapters done in the class and complete the assignment 4.
2. Explore the principles of Physics behind the working of modern-day **Communication Devices** likemobile phone, TV, Internet, radio, etc.
3. **INDIVIDUAL PROJECT WORK:** - Prepare working model or a project of Investigatory nature. Also prepare its project file explaining the Aim, Apparatus Used, Principle, Observation & Calculation, Conclusion, other Applications of the concept used and Bibliography.

Suggested Topics

• **Static Charge:** -

1. calculating charge-Styrofoam balls

• **Current electricity:** -

1. Efficiency of bulbs
2. Factors affecting resistance
3. Factors affecting the internal resistance of cell
4. Factors affecting the E.M.F of a cell
5. Thermoelectric effects of current
6. Function and usage of photo resistor

• **Magnetic effects of current & magnetism**

1. Curie Law-Verification
2. Magnetic field of earth-null point
3. Transformer- efficiency & losses
4. Eddy currents-minimization
5. EMI- dynamo etc.
6. Tangent galvanometer
7. Electromagnets

• **Optics**

1. Refractive index of liquid-hollow prism, liquid lens, hollow glass slab.
2. Microscope/Telescope-magnification
3. Laser light experiment
4. Diffraction-finding λ
5. Mirror & lenses-combination & special effects
6. Polarization of light

• **Semiconductor devices**

1. Transistor functioning
2. Any electronic circuit
3. Transistor as switch
4. Logic gates

Holiday Home Work

2024-25

1. Revise all the topics covered till the end of Extra classes thoroughly (**Theory and Practicals both**).
2. Do all the solved intext problems and Back Exercises of NCERT Textbook Unit –**Solutions, Electrochemistry, Chemical Kinetics**.
3. **INDIVIDUAL PROJECT WORK:** - Prepare working model or a project of Investigatory nature. Also prepare its project file explaining the Aim, Apparatus Used, Principle, Observation & Calculation, Conclusion, other Applications of the concept used and Bibliography.

Suggested Topics

1. Analysis of Cough Syrup
2. Comparative study and qualitative analysis of different brands of Cold Drinks
3. Preparation of Sanitizer
4. Preparation of Dyes
5. Analysis of different samples of vinegar
6. To study the quantity of casein present in different samples of milk
7. Preparation of Soya milk and its comparison with other natural milk
8. Analysis of Chocolate
9. To study the presence of oxalate ion content Guava Fruit at different stages of ripening
10. To study and compare the rate of fermentation of apple juice and carrot juice
11. Study the constituents of alloy
12. To analyze the given sample of commercial antacids by determining the amount of HCl they can neutralize
13. Finger print development
14. To analyze the sample of honey for the presence of different minerals and carbohydrates
15. To study the presence of sugar in sugar free sweets

Class XII
MATHEMATICS
Summer Vacation
Holiday Home Work
2024-25

DO THE FOLLOWING QUESTIONS

Q.1 If ω is a complex cube root of unity, show that

$$\left(\begin{bmatrix} 1 & \omega & \omega^2 \\ \omega & \omega^2 & 1 \\ \omega^2 & 1 & \omega \end{bmatrix} + \begin{bmatrix} \omega & \omega^2 & 1 \\ \omega^2 & 1 & \omega \\ \omega & \omega^2 & 1 \end{bmatrix} \right) \begin{bmatrix} 1 \\ \omega \\ \omega^2 \end{bmatrix} = \begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix}$$

Q.2 If $A = \begin{bmatrix} 2 & -3 & -5 \\ -1 & 4 & 5 \\ 1 & -3 & -4 \end{bmatrix}$, show that $A^2 = A$

Q.3 If $A = \begin{bmatrix} 4 & -1 & -4 \\ 3 & 0 & -4 \\ 3 & -1 & -3 \end{bmatrix}$ show that $A^2 = I_3$

Q.4 If $[1 \ 1 \ x] \begin{bmatrix} 1 & 0 & 2 \\ 0 & 2 & 1 \\ 2 & 1 & 0 \end{bmatrix} \begin{bmatrix} 1 \\ 1 \\ 1 \end{bmatrix} = 0$, find x .

Q.4 If $[1 \ 1 \ x] \begin{bmatrix} 1 & 0 & 2 \\ 0 & 2 & 1 \\ 2 & 1 & 0 \end{bmatrix} \begin{bmatrix} 1 \\ 1 \\ 1 \end{bmatrix} = 0$, find x .

(ii) If $\begin{bmatrix} 2 & 3 \\ 5 & 7 \end{bmatrix} \begin{bmatrix} 1 & -3 \\ -2 & 4 \end{bmatrix} = \begin{bmatrix} -4 & 6 \\ -9 & x \end{bmatrix}$, find x .

Q.5 If $[x \ 4 \ 1] \begin{bmatrix} 2 & 1 & 2 \\ 1 & 0 & 2 \\ 0 & 2 & -4 \end{bmatrix} \begin{bmatrix} x \\ 4 \\ -1 \end{bmatrix} = 0$, find x

Q.6 If $[1 \ -1 \ x] \begin{bmatrix} 0 & 1 & -1 \\ 2 & 1 & 3 \\ 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 0 \\ 1 \\ 1 \end{bmatrix} = 0$, find x .

Q.7 If $A = \begin{bmatrix} 3 & -2 \\ 4 & -2 \end{bmatrix}$ and $I = \begin{bmatrix} 3 & 0 \\ 0 & 1 \end{bmatrix}$, then prove that $A^2 - A + 2I = 0$.

Q.8 If $A = \begin{bmatrix} 3 & 1 \\ -1 & 2 \end{bmatrix}$ and $I = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$, then prove that $A^2 = 5A + \lambda I$

Q.9 If $A = \begin{bmatrix} 3 & 1 \\ -1 & 2 \end{bmatrix}$ show that $A^2 - 5A + 7I_2 = 0$.

Q.10 If $A = \begin{bmatrix} 2 & 3 \\ -1 & 0 \end{bmatrix}$ show that $A^2 - 2A + 3I_2 = 0$.

Q.11 Show that the matrix $A = \begin{bmatrix} 2 & 3 \\ 1 & 2 \end{bmatrix}$ satisfies the equation $A^3 - 4A^2 + A = 0$

Q.12 Show that the matrix $A = \begin{bmatrix} 5 & 3 \\ 12 & 7 \end{bmatrix}$ satisfies the equation $A^2 - 12A - I = 0$.

Q.13 If $A = \begin{bmatrix} 3 & -5 \\ -4 & 2 \end{bmatrix}$ find $A^2 - 5A - 14I$.

Q.14 If $A = \begin{bmatrix} 3 & 1 \\ -1 & 2 \end{bmatrix}$ show that $A^2 - 5A + 7I = 0$. Use this to find A^4 .

Q.15 If $A = \begin{bmatrix} 3 & -2 \\ 4 & -2 \end{bmatrix}$ find K such that $A^2 = kA + 2I_2$

Q.16 If $A = \begin{bmatrix} 1 & 0 \\ -1 & 7 \end{bmatrix}$ find k such that $A^2 - 8A + kI = 0$.

Q.17 If $A = \begin{bmatrix} 1 & 2 \\ 2 & 1 \end{bmatrix}$ and $f(x) = x^2 - 2x - 3$ show that $f(A) = 0$

Q.18 If $A = \begin{bmatrix} 2 & 3 \\ 1 & 2 \end{bmatrix}$ and $I = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$ then find λ, μ so that $A^2 = \lambda A + \mu I$

Q.19 Find the value of x for which the matrix product

$$\begin{bmatrix} 2 & 0 & 7 \\ 0 & 1 & 0 \\ 1 & -2 & 1 \end{bmatrix} \begin{bmatrix} -x & 14x & 7x \\ 0 & 1 & 0 \\ x & -4x & -2x \end{bmatrix} \text{ equal to an identity matrix.}$$

Q20

Express the matrix $A = \begin{bmatrix} 3 & 2 & 3 \\ 4 & 5 & 3 \\ 2 & 4 & 5 \end{bmatrix}$ as the sum of a symmetric and a skew symmetric matrix.

CHAPTER – 5: CONTINUITY AND DIFFERENTIABILITY

MARKS WEIGHTAGE – 06 marks

Previous Years Board Exam (Important Questions) DO Q13 ONWARDS

1. For what value of k is the following function continuous at $x = 2$?

$$f(x) = \begin{cases} 2x+1 & ; x < 2 \\ k & ; x = 2 \\ 3x-1 & ; x > 2 \end{cases}$$

2. Discuss the continuity of the following function at $x = 0$: $f(x) = \begin{cases} \frac{x^4 + 2x^3 + x^2}{\tan^{-1} x}, & x \neq 0 \\ 0 & , x = 0 \end{cases}$

3. If the function $f(x)$ given by $f(x) = \begin{cases} 3ax + b & ; x > 1 \\ 11 & ; x = 1 \\ 5ax - 2b & ; x < 1 \end{cases}$ is continuous at $x = 1$, find the values of a and

b .

4. Find the relationship between ' a ' and ' b ' so that the function ' f ' defined by:

$$f(x) = \begin{cases} ax + 1, & x \leq 3 \\ bx + 3, & x > 3 \end{cases} \text{ is continuous at } x = 3 .$$

-
15. If $(\cos x)^y = (\sin y)^x$, find $\frac{dy}{dx}$.

16. If $y = \frac{\sin^{-1} x}{\sqrt{1-x^2}}$, then prove that $(1-x^2)\frac{d^2y}{dx^2} - 3x\frac{dy}{dx} - y = 0$.

17. If $y = e^x(\sin x + \cos x)$, then show that $\frac{d^2y}{dx^2} - 2\frac{dy}{dx} + 2y = 0$.

18. If $x = a(\cos t + t \sin t)$ and $y = a(\sin t - t \cos t)$, then find $\frac{d^2y}{dx^2}$.

19. If $\log(x^2 + y^2) = 2 \tan^{-1}\left(\frac{y}{x}\right)$, then show that $\frac{dy}{dx} = \frac{x+y}{x-y}$

20. If $y = a \cos(\log x) + b \sin(\log x)$, then show that $x^2 \frac{d^2y}{dx^2} + x \frac{dy}{dx} + y = 0$

21. If $\sqrt{1-x^2} + \sqrt{1-y^2} = a(x-y)$, then show that $\frac{dy}{dx} = \sqrt{\frac{1-y^2}{1-x^2}}$

22. Find $\frac{dy}{dx}$, if $y = \sin^{-1}\left[x\sqrt{1-x} - \sqrt{x}\sqrt{1-x^2}\right]$

23. Find $\frac{dy}{dx}$, if $y = (\cos x)^x + (\sin x)^{1/x}$

2.ACTIVITY Make a PPT on APPLICATION OF DERIVATIVES

READ APPLICATIONS OF DERIVATIVES FROM INTERNET

MAKE A PPT ON APPLICATIONS OF DERIVATIVES IN REAL LIFE.

Class XII
PSYCHOLOGY
Summer Vacation
Holiday Home Work
2024-25

Task I: As a CBSE mandate, you are required to build upon the case profile of your subject.

For your case profile, after checking that the subject fits the previously mentioned criteria, collect the following information -

1. Subject details -

A) Preliminary information-

Name, age, sex , address etc

B) Physical self -

Height, weight, hair, complexion etc. (you can elaborate upon other sub headings the way you wish)

2. Family history -

Immediate family -

Name, age, qualifications and profession of each member.

Paternal family-

Name of each member, along with age, qualifications and profession

Eg-

Grandfather

Mr. Trilok Nath

67 years

Graduate

Retired as chief administrative officer

This has to be done for each member

Maternal family - same as above

3. Birth history -

DOB, mother's pregnancy journey, any complications , birth weight of baby etc.

Take this information from mother.

4. Childhood history- (age 2 to 11 years)

Memorable experiences , saddening experiences , challenges , how did you overcome them etc

4. Adolescent history- 11 years till 17 years)

Elaborate upon all four headings above.

5. Adult history- in case your subject is above 18

Elaborate upon all 4 headings as above.

6. Relationships

Relation with father, mother, sibling, grandparents, friends etc .

Each heading has to be elaborated upon separately

7. Career aspirations

8. Methodology used -

A) observation

B) interview

C) psychological testing

Two pages of writeup on the above three methods.

Each above stated topic has to be extensively elaborated upon.

The above should atleast be 50 pages.

Paste pictures from the subject' life, however, blur his/her face.

Task II: Revise the following units:

A) Variations in Psychological attributes

B) Self and Personality

Task III: Homework assignment

Do complete the assignments from chapter 1 and 2 on ruled sheets.

All the above three tasks must be finished during the summer vacations and submitted on July 1, 2024.

Class XII

BIOLOGY

Summer Vacation

Holiday Home Work

2024-25

1. Draw well labelled diagrams of the following from NCERT in your assignment copy-Figure 1.3 (a) Transverse section of a young anther; (b) Enlarged view of one microsporangium showing wall layers; (c) A mature dehisced anther

Figure 1.8 (a) Parts of the ovule showing a large megaspore mother cell, a dyad and a tetrad of megaspores; (b) 2, 4, and 8-nucleate stages of embryo sac and a mature embryo sac; (c) A diagrammatic representation of the mature embryo sac.

Figure 1.13 (a) Fertilised embryo sac showing zygote and Primary Endosperm Nucleus (PEN); (b) Stages in embryo development in a dicot [shown in reduced size as compared to(a)

Figure 1.14 (a) A typical dicot embryo; (b) L.S. of an embryo of grass

2. Observe atleast 10 flowers of the following plants (or any others available to you): Cucumber, Mango, Peepal, Coriander, Papaya, Onion, Cotton, Rose, Lemon, Eucalyptus, Banana.
 - Try to find out which animals visit them and whether they could be pollinators.(You'll have to patiently observe the flowers over a few days and at different times of the day.)
 - You could also try to see whether there is any correlation in the characteristics of a flower to the animal that visits it. Carefully observe if any of the visitors come in contact with the anthers and the stigma as only such visitors can bring about pollination. Many insects may consume pollen or the nectar without bringing about pollination. Such floral visitors are referred to as pollen/nectar robbers.
 - Click pictures of the pollinators visit and submit as ppt. The slides should include general and scientific name of the plant, type of pollinator(s), type of pollination and type of flower alongwith clicked pictures.
3. Finalise the topic and the design of the class XII board project. The project has to be investigatory / survey based. The submission of the final project black and white print will be due in half yearly exam. You could explore the link provided for the same.
<https://www.1000sciencefairprojects.com/Biology/Investigatory-Project-of-Biology.php>
 - The project report should be prepared in the following sequence- • Cover page should include the title of the Project, student information, school and year. • Certificate • Acknowledgement • Index • Project Content • Case study/Graphical interpretation • Conclusion and Bibliography
4. Make a model of the DNA double helix using biodegradable material.
<https://youtu.be/lnJ0zh9TnD0?si=wk0hsX4lqNMEet6Z>
You can refer to the model in the link or any other model. The best models will be displayed in the science exhibition.

Revise all chapters thoroughly and complete the worksheets in the notebook

Class XII

Computer Science
Summer Vacation
Holiday Home Work
2024-25

Creating PPT's based on different topics as follows:

1. Database concepts
2. Relational data model
3. Data Definition Language
4. Data Manipulation Language
5. Operators in SQL
6. Aggregate functions
7. Joins

Minimum: 5 sides, Maximum: 20 sides

Mode of Submission only on Drive link: <https://forms.gle/G3TddyGshm8NkML39>

Class XII
Information Practices
Summer Vacation
Holiday Home Work
2024-25

Creating PPT's based on different topics as follows:

1. Pandas - Series and Data Frames
2. mathematical operations in series
3. Operations on rows and columns Data Frames
4. Head and Tail functions
5. Importing/Exporting Data between CSV files
6. Data Visualization
7. Customizing plots

Minimum: 5 sides, Maximum: 20 sides

Mode of Submission only on Drive link: <https://forms.gle/G3TddyGshm8NkML39>

Class XII
ECONOMICS
Summer Vacation
Holiday Home Work
2024-25

Part A

Q1.Explain components of NFIA?

Q2.Differentiate between depreciation and obsolescence.

Q3.Discuss briefly, the circular flow of income in a two sector economy with the help of a suitable diagram. (3)

Q4How will you treat the following in the calculation of Gross Domestic Product of India? Give reasons for your answer.

(3)

(a) Profits earned by a branch of foreign bank in India

(b) Salaries of Indian Employees working in embassy of Japan in India

Salary of resident of Japan working in Indian embassy in Japan.

Q5. Calculate (a) Net Value added at factor cost and (b) Value of output at market price from the following data. (3)

(Rs. in arab)

i. Subsidies 40

ii. Intermediate costs 200

iii. Compensation of employees 400

iv. Depreciation 50

v. Royalty 5

vi. Interest 25

vii. Indirect Taxes 100

viii. Rent 10

ix. Profits 60

x. Net Change in stocks 20

Q6..Foreign embassies in India are a part of India's: (Choose the correct alternative) (1)

(a) Economic Territory (b) Geographical territory

(c) Both (a) and (b) (d) None of the above

Q7. 'GDP as an index of welfare may understate or overstate welfare'. Explain the statement using examples of a positive and a negative externality. (4)

OR

Differentiate between National Income at Current prices and National Income at Constant Price. Which of the two presents a better view of the economic growth of economy and why?

Q8.From the following data relating to a firm (6)

(a) Estimate the net value added at market prices

(b) Show that net value added at factor cost is equal to the sum of factor incomes.

(Rs. in Lakh)

i. Purchase of raw materials and other inputs from the domestic market 600

ii. Increase in stocks 200

iii. Domestic sales 1800

iv. Imports of raw materials 100

v. Exports 200

vi. Depreciation 75

vii. Salaries and wages 600

viii. Interest Payments 450

ix. Rent 75

x. Dividends 150

xi. Undistributed Profits 80

xii. Corporate Profit Tax 20

xiii. Indirect Taxes 50

- Q9. State giving reasons whether the following will be included in national income: (6)
- (i) Growing vegetables in a kitchen garden of the house/services rendered by family members to each other.
 - (ii) Production of tobacco products, liquor, etc.
 - (iii) Harmful effects of air pollution caused by factories or vehicles.
- Q10. Explain components of aggregate Demand?
- Q11. Explain concept of MPC and MPS with help of schedule.
- Q12. explain concept of Multiplier with schedule.
- Q13. Explain concept of over and under full employment.
- Q14. Explain steps to control inflation and Deflation with monetary and fiscal policy?

B. PROJECT

Topic can be chosen from any area related to economics preferably from Indian Economy. This project will be submitted for Class XII board exam practical examination.

The expectations of the project work are that:

learners will complete only ONE project in each academic session

project should be of 3,500-4,000 words (excluding diagrams & graphs), preferably hand-written

it will be an independent, self-directed piece of study

Scope of the project:

Learners may work upon the following lines as a suggested flow chart:

Choose a title/topic Collection of the research material/data

Organization of material/data Present material/data

Analysing the material/data for conclusion

Draw the relevant conclusion Presentation of the Project Work.

C INTERNSHIP

All students must try to enrol themselves for an internship which will engage them productively during the summer holidays. The internship can be done in any corporate office/ shop/NGO which will allow the student to observe the management and financial aspects of the organization

Class XII

POLITICAL SCIENCE

Summer Vacation

Holiday Home Work

2024-25

Subject: Political Science

Topic: Contemporary World Politics

Objective: The objective of this summer vacation homework assignment is to encourage critical thinking, independent research, and analysis of contemporary global political issues. Students are expected to apply the concepts learned in class to real-world situations, fostering a deeper understanding of political dynamics in the contemporary world.

Instructions:

1. This assignment is to be completed individually.
2. Students are expected to adhere to academic honesty and integrity. Plagiarism will not be tolerated.
3. The assignment is due on the first day of the new academic session.
4. Students are encouraged to utilize various resources, including books, articles, news reports, and academic journals, to complete the assignment.
5. The assignment should be neatly organized, well-written, and presented in a professional manner.

Assignment Tasks:

Task 1: Case Study Analysis (20 marks) Choose a recent international political event or crisis (occurred within the last year) and analyze it using the following guiding questions:

- What are the key actors involved in the event or crisis?
- What are the underlying causes of the event or crisis?
- What are the potential implications of the event or crisis on global politics?
- How does the event or crisis relate to the theories and concepts studied in class?
- What are the possible solutions or measures to address the event or crisis?

Task 2: Comparative Analysis (15 marks) Select two contemporary political systems (e.g., democracy, authoritarianism, communism) and compare and contrast them in terms of:

- Governance structure and institutions
- Political participation and representation
- Civil liberties and human rights protection
- Economic policies and development strategies

Task 3: Critical Review (15 marks) Choose a recent scholarly article or book chapter related to global politics and write a critical review addressing the following points:

- Summary of the main arguments and findings of the article or chapter
- Evaluation of the author's methodology and evidence
- Discussion of the strengths and weaknesses of the argument presented
- Reflection on the implications of the study for understanding contemporary world politics

Task 4: Policy Brief (20 marks) Imagine you are a policy advisor to the government on a pressing global issue (e.g., climate change, migration, terrorism). Prepare a policy brief outlining:

- Background information on the issue
- Analysis of the current state of affairs and challenges

- Policy recommendations for addressing the issue, supported by evidence and reasoning
- Potential benefits and drawbacks of implementing the proposed policies

Task 5: Creative Presentation (10 marks) Create a creative presentation (e.g., PowerPoint, video, infographic) on a topic of your choice related to contemporary world politics. The presentation should be visually appealing and informative, covering key concepts, events, or trends in global politics.

Task 6: Reflection (10 marks) Write a reflective essay discussing your learning experience during the completion of this summer vacation homework assignment. Reflect on the skills developed, challenges encountered, and insights gained from engaging with contemporary political issues.

Submission Guidelines:

- Submit your completed assignment in a digital format (e.g., Word document, PDF) via email to the class teacher.
- Ensure that your submission includes your name, class, and section.

Evaluation Criteria:

- Depth of analysis and critical thinking demonstrated in the assignment
- Clarity and coherence of arguments presented
- Use of relevant evidence and examples to support assertions
- Originality and creativity in approaching the tasks
- Adherence to the instructions and submission guidelines

Class XII

SOCIOLOGY

Summer Vacation

Holiday Home Work

2024-25

Students to make a project on any social issue following the given guidelines

GUIDELINE FOR SOCIOLOGY PROJECT

PROJECT CARRIES A WEIGHTAGE OF 20 MARKS

DIVISION OF MARKS AS FOLLOWS:-

- | | |
|------------------------------|---------|
| 1. Viva - | 5 marks |
| 2. Statement of purpose - | 2 marks |
| 3. Hypothesis - | 1 marks |
| 4. Methodology / Technique - | 2 Marks |

5. Choice of technique -	2 Marks
6. Detailed procedure of implementation of technique -	2 Marks
7. Conclusion -	3 Marks
8. Overall Format -	1 Marks

IMPORTANT TIPS –

- Keep the class XI sociology book for reference in class XII. You will have to refer chapter 5 of Book 1 for research methods
- Ensure that your project has a the headings and content under all the headings which are mentioned above. You might get few marks more or few marks less depending on your content inside but you still would be assured of reasonably good marks as you would be fulfilling the criteria laid down by CBSE.

SEQUENCE OF PROJECT PRESENTATION/FILE BINDING –

- ❖ Cover page - with project name, year
- ❖ First page should be kept blank as the certificate of completion issued by the teacher would be pasted here.
- ❖ Acknowledgement
- ❖ Hypothesis
- ❖ Rationale
- ❖ Introduction
- ❖ Causes
- ❖ Consequences
- ❖ Case study
- ❖ Methodology
- ❖ Rationale for methodology
- ❖ Implementation
- ❖ Presentation of evidence
- ❖ Analysis and Interpretation
- ❖ Evaluation
- ❖ Conclusion
- ❖ Limitation of the study,
- ❖ Bibliography

HOW TO START A PROJECT –

STEP – 1

- You can choose your own topic or pick up a board topic to build your project
- You have to get the topic approved by the teacher concern.
- Choose the topic once you find sufficient matter available on the that topic. Sometimes topic seems interesting but you end up not getting matter on that. So once the topic is decided then your work starts

STEP – 2

- Look out for surveys, research, essays written on your topic. You can look for all these in net
- Try to get thorough understanding of the topic by reading them. This would help you to formulate your hypothesis, technique of doing the project and in fact even conclusion to some extent
- The simplest technique would be to do survey method

STEP – 3 (HYPOTHESIS)

- Try to form Hypothesis in the form of a question
- Hypothesis is your assumption/reason for a certain problem
- For example – Is Nuclear family a reason for increase role of video games in child's life? OR Are video games the reason for decreased social networking amongst the children?
- 3 such Hypothesis have to be framed and written.

STEP – 4 (RATIONALE FOR METHODOLOGY)

- Write the Rationale – in this page you have to give brief reason for the Hypothesis framed by you.

STEP – 5 (INTRODUCTION)

- Next is writing introduction. This should contain all those matter which relates to your hypothesis.
- It can be of 2 to 3 pages
- This may also include causes and consequences of the project

STEP – 6 (METHODOLOGY)

- In methodology you will have to write the way you plan to do your project
- In can be a case study method, survey method, secondary data etc.
- Easiest method is to conduct a survey

STEP – 7 (RATIONALE & METHODOLOGY)

- In this you have to give reason for selecting/ choosing a particular method.
- Like in survey method you can write that it is easier to get the opinion of many people at a time, it is fastest method of collecting data.
- It is also most structured way of getting data.

STEPS – 8 (IMPLEMENTATION)

- Steps of Implementation – In this you have to write how you went about in the conduction of the project.
- It would start with collection of data related to the subject, reading of the data, analysing the problem, framing the hypothesis, framing the questionnaire, conduction of sample survey (at least of 50 people), restructuring of questionnaire after sample survey and making required correction, doing proper survey of your sample size – which can be approximately 50 people.
- This will be followed by analysis and interpretation.

STEP – 9 (PRESENTATION OF EVIDENCE)

- Here you need to attach your sample questionnaire
- Which will be followed by the filled 50 questionnaire which should be filled by the respondent in their own hand writing

STEP – 10 (ANALYSIS AND INTERPRETATION)

- Now you need to tabulate all the answers
- This may be accompanied by pie chart or bar graphs. Responses have to be written in words below the table.

STEP – 11 (EVALUATION)

- You need to analyse every question one by one. Explain each one of them

STEP – 12 (CONCLUSION)

- Here you would try to give what you think the respondents are trying to say and whether it agrees with the hypotheses which were framed by you or not. It would be your correlation of the responses with the impact of the problem.

STEP – 13 – (LIMITATION of the study)

- In this you will write the difficulties faced by you in conduction of the study.
- Eg – while doing survey many people misplaced or lost the survey forms, or didn't take it seriously etc.

STEP – 14 – (BIBLOGRAPHY)

- Here you would write the names of all the books, web sites referred by you in conduction of the project

Class XII

ACCOUNTANCY

Summer Vacation

Holiday Home Work

2024-25

PROJECT ON SEGMENT ANALYSIS

Objectives:

To know how effectively the students can derive conclusions and express them. To study whether the

contribution of various segments of _____ with respect to (i) Revenue, and (ii) Profit, is justified?

- To know as to which operation segment is performing best in terms of Net Profit and Return on Investment.

➤ Do all Previous Year Questions from T.S.Grewal from P.E. 1 to 16 and P.E.33 to 54 in fair Note Book.

**Class XII
BUSINESS STUDIES
Summer Vacation
Holiday Home Work
2024-25**

CLASS XII BUSINESS STUDIES

Project files to be prepared by the students for board exams practical.

Specification for Project file to be prepared for board exams.

- Individual Projects to be prepared.
- Students are expected to conduct research work and show evidence for their research work in their Project File
- Data related to topics should be based on field work, textbooks and not be just taken from Google & Wikipedia. Students are requested to read relevant books, journals, magazines, newspaper related to their topics.
- Length of the project-40 to 50 pages and it must be handwritten.
- Submission date- 6.07.2024

Students are supposed to select one unit out of 4 and are required to make only ONE project from the selected unit. (Consist of one project of 20 marks)

- Business Environment**
- Marketing**
- Principles of management**
- Stock Exchange**

Details about the project can be found in the following link:-

https://cbseacademic.nic.in/web_material/CurriculumMain24/SrSec/BusinessStudies_Sr_Sec_2023-24.pdf

e) And further discussion with the subject teacher.

Allocation of Marks = 20 Marks

The marks will be allocated under the following heads:

1	Initiative, cooperativeness and participation	2 Mark
2	Creativity in presentation	2 Mark
3	Content, observation and research work	4 Marks
4	Analysis of situations	4 Marks
5	Viva	8 Marks
	Total	20 Marks

CHAPTER-1 NATURE AND SIGNIFICANCE OF MANAGEMENT

1 Marker Questions

1. Aarna company's target production is 8,000 units in a year. To achieve this target the manager has to operate on double shifts due to power failure most of the time. The manager is able to produce 8000 units but at a higher production cost. In the above case tell the status of the manager.

- (a) Manager was effective
- (b) Manager was effective but not efficient
- (c) Manager was efficient
- (d) Manager was efficient but not effective

2. The goal of the Radha retail store is to increase sales and the goal of the Spastics Society of India is to impart education to children with special needs. Management unites the efforts of different individuals in the organisation towards achieving these goals. Identify the characteristics of management discussed above.

- (a) Management is all pervasive.
- (b) Management is multi-dimensional.
- (c) Management is a goal oriented process.
- (d) Management is a continuous process.

3. In a factory, a product is manufactured, in a garment store a customer's need is satisfied and in a hospital a patient is treated. Management translate their work in terms of goals to be achieved and assigns the means to achieve it. Identify the dimension of management discussed here.

- (a) Management of operations
- (b) Management of work
- (c) Management of people
- (d) None of these above

4. In order to be successful, an organisation must change itself and its goals according to the needs of the environment. Regarding this we have the example of McDonalds, the fast food giant made major changes in its menu to be able to survive in the Indian market. Identify the characteristics of management mentioned in the above case.

- (a) Management is an intangible force.
- (b) Management is a dynamic function.
- (c) Management is a group activity.
- (d) Management is a continuous process.

5. Jyoti Ltd. decided to give more stress on the following: to use environmental friendly methods of production, to provide employment opportunities to the disadvantaged section of the society and to make available basic amenities like schools and creches to the employees. Identify the objective of management discussed above.

- (a) Organisational objective
- (b) Personal objective
- (c) Social objective
- (d) None of the above

6. The management of Roshan Pvt. Ltd. helps the staff members adapt to environmental changes so that the organisation is able to maintain its competitive edge. It is one of the reasons that have made management so important. Identify it.

- (a) Management helps in achieving group goals.
- (b) Management increases efficiency.
- (c) Management creates a dynamic organization.
- (d) Management helps in achieving personal objectives.

7. Read the text given below and answer the questions (i-in) based on it.

Three groups of employees of 'Gama Limited' are working at different posts. The first group of employees is responsible for the welfare and survival of the organisation. In order to discharge its responsibility properly, this group continuously keeps a watch over the Business Environment. With a view to coping with the changes going on in the Business Environment, this group immediately discusses the change to be brought about in the company's plans. The second group of employees is responsible for maintaining quality and safety standards, and minimising wastages. The responsibility of third group of employees is to explain the policies decided by the top management and developing the feeling of cooperation among all the departments of the company.

(i) Identify the concept of management described in the paragraph given above:

- (a) Functions of management
- (b) Nature of management
- (c) Levels of management
- (d) Coordination

(ii) "The first group of employees is responsible for the welfare and survival of the organisation." The above statement is related to which level of management?

- (a) Top Level Management
- (b) Lower Level Management
- (c) Middle
- (d) None of these

(iii) "The second group of employees is responsible for maintaining quality and safety standards, and minimising wastages."

The above statement highlighted the _____ level of management?

- (a) Top
- (c) Lower
- (b) Middle Level Management
- (d) Both (b) and (c)

(iv) "The responsibility of third group of employees is to explain the policies decided by the top management and developing the feeling of cooperation among all the departments of the company."

The above statement explained the functions of the _____

- (a) Lower
- (b) Middle
- (c) Both (a) and (b)
- (d) None of these

3 Marks Questions

8. Certain persons who had done their MBA established 'Alpha Limited' with the aim of earning justifiable profit and doing service to the society. In order to run their business successfully they took the help of several people. The people working in the company were doing different activities. Their activities were different, but their aim was the same. Here the need was to continue putting in such efforts as may not let the people lose their aim. Therefore, the arrangement made in the company was such that the efforts of all the people may lead them towards the same path.

- (a) Identify the feature of management described in the paragraph given above.
- (b) Also explain two more features of management.

9. The Principal of 'Shivaji Public School, Shri Rakesh Mohan, set up the goal of 'Quality Education' for his school. For the realisation of this goal he made several plans. His special focus was on the satisfaction of employees. At the end of the year it was found that all his activities were done successfully in accordance with the

plans made. It took no time for the people to know the news that the school had accomplished its goal of quality education. Everyone said that it was a miracle performed by the school management.

(a) Identify the feature of management referred to in the above paragraph.

(b) Also explain two more features of management.

10. Mita has a successful ice cream business at Bikaner, namely 'Smartflavours'. Her ice creams are utterly delicious. She makes ice creams from fresh milk and the same are available in a wide range of flavours and packs. She sets viable business objectives and works with the same in mind in order to ensure that the customers will come back for purchasing. Having the first mover advantage, her business was doing well. To earn higher profits, she started cutting costs. This would sometimes lead to delay in delivery and the ice cream was not reaching the market in time. Over a period of time, the demand for her ice cream declined and because of it the competitors entered the market. She lost some of her market share to competitors. At the beginning of summer season, she got back to back orders for supply of 4,000 ice cream packs of different flavours for special occasions. To ensure that the task was completed and orders delivered in time she hired additional workers. She was, thus able to produce and deliver the ice cream packs but at a high production cost. While completing activities and finishing the given task for achieving goals, Mita realised that she was ignoring one of the important aspects of management. Identify the aspects of management that has been ignored by Mita. Also explain the same with the help of an example.

CHAPTER 11 MARKETING

1. Nayan Medicare Equipment Ltd.' manufactures equipment for surgeons having a unique laser technique. The equipment can be used by the surgeons only after proper training. Even their maintenance requires guidance of specialised engineers. Because of this, the equipment is used in a limited number of hospitals. The company wants to increase the sale of the equipment.

Suggest the promotion tool to be used by the company giving reason in support of your answer.

2. Beena has been using 'Klean', a famous detergent available in the market on watching numerous advertisements in the television, she decided to try a new brand of detergent. When she went to the nearby store to purchase the same, she saw detergents of other producers making similar claims of whiteness and stain removing abilities. Hence, she could not make up her mind as which detergent to purchase.

3. Name the objection of advertising being discussed in this case.

4. State, giving reason, whether the following statement is true or false :

"Advertising refers to short term incentives which are designed to encourage the buyers to make immediate purchase of a product."

5. Sunita took her niece, Aishwarya for shopping to 'Benetton' to buy her a dress on the occasion of her birthday. She was delighted when on payment for the dress she got a discount voucher to get 20% off for a meal of ₹ 500 or above at a famous eating joint.

Identify the technique of sales promotion used by the company in the above situation.

6. Name the marketing function which is concerned with informing the customers about the firm's products.

7. A TV manufacturing company is spending substantial amount of money to persuade the target customers to buy its T.V. sets through advertisements, personal selling and sales promotion techniques. Identify the element of marketing mix referred here.

8. 'X Ltd.' is engaged in the manufacturing of cars. The company surveyed the market and found that customers need a car which runs on eco-friendly fuel instead of petrol or diesel. Keeping the needs of customers as well as social, ethical and ecological aspects of marketing in mind, the company launched a new model of car that runs on bio-diesel. The launch event was covered by the top news channels and newspapers. This was done to disseminate information about the car and build goodwill of the business. 'X Ltd.' understands that it is imperative to manage public opinion and company's relations with the public on a regular basis.

(a) Identify and explain the marketing philosophy involved in the above case.

(b) Identify and explain the communication tool that was used by the company.

(c) Explain any two other promotional tools that can be used by 'X Ltd.' to achieve its objectives.

9. Stay Fit', a probiotic drink was launched in the market by Dabal India Ltd. and is available in various cities across the country. Doctors are recommending it as it is very useful for the stomach. The company is also using various tools to inform and persuade customers about its product. It has recently started free distribution of its samples to encourage the customers to know about its benefits to buy this probiotic drink in future.

The company has also appointed a large number of salespersons, who contact the prospective buyers and communicate with them to make sales. This way, the company is able to develop personal rapport with its customers.

In order to create awareness and to increase its popularity among school children, it also organises workshops for students and teachers. It also arranged visits of students and teachers to the factory to create awareness about the standards of hygiene adopted in processing and packaging, etc. This helps the company to build a positive image of its product in the society. This way the company is using a combination of communication tools to inform and persuade customers about their firm's product.

Identify and explain these tools.

10. You don't close a sale, you open a relationship, if you want to build a long-term successful enterprise.' Identify the communication tool used by the marketer. State any two features of this communication tool.