



THE SAGAR SCHOOL

HOLIDAY HOMEWORK 2017-18

Class/Section: XII-A

General Instructions:

- Holiday Homework of all subjects to be done in **Stick File** (only).
- **Practical subjects need to be given only AISSCE Board Projects**
- The areas to be covered are suggested below. You can of course use your creativity and innovation for new ideas too!
- Credit will be awarded to original photographs/ drawings, illustrations and creative use of materials.
- Holiday Homework needs to be submitted on 10th July 2017.
- Holiday Homework needs to be developed and presented in this order:
 - Cover page showing title, student information, school and academic year.
 - List of contents with page numbers.
 - The last page should have Bibliography/ Sources of information from where you have collected your information.

SUBJECT: ENGLISH

1. Read the novel, The Invisible man and write a 300- 400 word book review covering the following aspects: Plot and theme, main characters, setting, language and vocabulary and any other elements which make the story interesting.
2. There are a lot of summer camps mushrooming in every city and locality. Children line up to learn dancing, singing, a new language, swimming and many more activities. Interview an instructor/teacher or organizer of such a camp and then write an article on the use, need and importance of these summer camps. Cover the financial side too. You will also interview a few parents and students who are enrolled in these camps and get their side of the story. Write a 200 word article based on these interactions. Give details of the camp along with the name and address, student strength and response of the locals.

SUBJECT: MATHEMATICS

Solve the set of questions based on the topics from NCERT book.

TOPIC: INVERSE TRIGONOMETRY FUNCTIONS

EX -2.1	Q 1, 9, 11
EX -2.2	Q 3, 13, 19
MISC EX.	Q 6, 8, 13, 14, 16

TOPIC: MATRICES

EX -3.1	Q 3, 5, 7
EX -3.3	Q 10, 12
EX -3.4	Q 12, 15
MISC. EX.	Q 3, 7, 11

TOPIC: DETERMINANTS

EX -4.2	Q 5, 13, 14
EX -4.3	Q 3, 5
EX -4.6	Q 11, 13, 15
MISC. EX.	Q 4, 11, 16

TOPIC: DIFFERENTIATION

EX -5.1	Q 6, 24, 30
EX -5.3	Q 6, 11, 15
EX -5.4	Q 2, 4, 8
EX -5.5	Q 7, 12, 15
EX -5.6	Q 5, 6, 10
EX -5.7	Q 14, 17
MISC. EX.	Q 13, 17, 23

SUBJECT: BUSINESS STUDIES**General guidelines are to be followed to complete the project.**

1. The total length of the project will be of 25 to 30 pages.
2. The project should be handwritten.
3. The project should be presented in a neat folder.
4. The project report should be developed in the following sequence-
 - (a) Cover page should include the title of the Project, student information, school and year.
 - (b) List of contents.
 - (c) Acknowledgements and preface (acknowledging the institution, the places visited and the persons who have helped.
 - (d) Introduction.
 - (e) Topic with suitable heading.
 - (f) Planning and activities done during the project, if any.
 - (g) Observations and findings of the visit.
 - (h) Conclusions (summarized suggestions or findings, future scope of study).
 - (i) Photographs (if any).
 - (j) Appendix

For Project I: Principles of Management:**GUIDELINES FOR CONTENT:**

You need to visit any one of the following:

- 1) A departmental store.
- 2) An Industrial unit.
- 3) A fast food outlet.
- 4) Any other organization.

You are required to observe the application of the general Principles of management advocated by Fayol.

FAYOL'S PRINCIPLES

1. Division of work. 2. Unity of command. 3. Unity of direction. 4. Scalar chain 5. Espirit de corps 6. Fair remuneration to all. 7. Order. 8. Equity. 9. Discipline 10. Subordination of individual interest to general interest. 11. Initiative. 12. Centralisation and decentralisation. 13. Stability of tenure.

OR

You may enquire into the application of scientific management techniques by F.W.Taylor in the unit visited.

SCIENTIFIC TECHNIQUES OF MANAGEMENT:

1. Functional foremanship. 2. Standardisation and simplification of work. 3. Method study. 4. Motion Study. 5. Time Study. 6. Fatigue Study 7. Differential piece wage rate plan.

The observations could be on the basis of:

- a) The different stages of division of work resulting to specialisation.
- b) Following instructions and accountability of subordinates to higher authorities.
- c) Visibility of order and equity in the unit. .
- d) Balance of authority and responsibility.
- e) Communication levels and pattern in the organisation. .
- f) Methods and techniques followed by the organisation for unity of direction and coordination amongst all.
- g) Methods of wage payments followed. .
- h) The arrangements of fatigue study.
- i) Derivation of time study.
- j) Derivation and advantages of method study.
- k) Organisational chart of functional foremanship.

FOR PROJECT II: MARKETING MANAGEMENT

GUIDELINES FOR CONTENT:

You are required to make a project on the identified product/ service keeping in mind the following:

- a) Why have they selected this product/service?
- b) Find out '5' competitive brands that exist in the market.
- c) What permission and license would be required to make the product?
- d) What are your competitors Unique Selling Proposition.[U.S.P.]?
- e) Does your product have any range give details?
- f) What is the name of your product?
- g) Enlist its features.
- h) Draw the 'Label' of your product.
- i) Draw a logo for your product.
- j) Draft a tag line.
- k) What is the selling price of your competitor's product?
 - (i) Selling price to consumer (ii) Selling price to retailer (iii) Selling price to wholesaler
- l) What is the profit margin in percentage to the • Manufacturer • Wholesaler • Retailer.
- m) How will your product be packed?
- n) Which channel of distribution are you going to use? Give reasons for selection?
- o) Decisions related to warehousing, state reasons.
- p) What is going to be your selling price? (i) To consumer (ii) To retailer (iii) To wholesaler.
- q) List 5 ways of promoting your product.
- r) Any schemes for (i) The wholesaler (ii) The retailer (iii) The consumer
- s) What is going to be your 'U.S.P'?
- t) What means of transport you will use and why?
- u) Draft a social message for your label.
- v) What cost effective techniques will you follow for your product.
- w) What cost effective techniques will you follow for your promotion plan.

SUBJECT: ACCOUNTANCY

Prepare the following projects as per the CBSE Guidelines:

1. Comprehensive Project

The comprehensive problem will involve the students from the initial stage of accounting to the preparation and analysis of financial statements. The data will represent real life business situations in a condensed form. The student will involve its practical implication to the real life business situations.

Step 1- Involvement of raw accounting information along with various accounting data and adjustments. i.e. transactions minimum 50

Step 2- Preparation of Journal, Ledger, Trial Balance and Financial Statements.

Step 3- Judge the profitability and solvency position by preparing their comparative Balance sheet and Comparative Income statements. Calculating their ratios (at least 10).

Step 4- Comparison of actual performance of the firm with the standards fixed for the industry.

Step 5- Conclude the performance of the firm and advocate the measures to improvise the profitability and financial position of the firm.

Project report has to be prepared by a student containing his views, opinion and judgements about the performance of the firm and its solvency position.

2. Specific Project Work

Two projects will be of specific nature using at least one tool of analysis in each:

- a) Accounting Ratio or Comparative statement and
- b) Segment reporting.

The data for these will be drawn from mainly from **ANNUAL REPORTS** of any listed companies.

Guidelines for Students to analyze the information given in the financial statements are as follows:

Specific Project 1:

For the purpose of Project Work, the following ratios will be included :

- (a) **Liquidity Ratios:** Current Ratio, Liquidity Ratio.
- (b) **Solvency Ratios:** Debt to Equity; Total Assets to Debt, Proprietary Ratio.
- (c) **Activity Ratios:** Inventory Turnover, Debtors Turnover, Payables Turnover, Working Capital Turnover, Fixed Assets Turnover, Current Assets Turnover.
- (d) **Profitability Ratio :** Gross Profit Ratio, Operating Ratio, Net Profit Ratio, Return on Investment, Earning Per Share

Specific Project 2:

- (a) Performance of segments keeping in mind their three parameters: Revenue, Net Profit and Capital Employed of companies.
- (b) Comparison of Revenue, Net Profit and Earning Per-share

SUBJECT: ECONOMICS

You need to follow the guidelines listed below to complete this project:

- a) Explanation of the concept:
- b) Meaning and Definition
- c) Application of the concept
- d) Diagrammatic Explanation (if any)
- e) Numerical Explanation related to the concept etc. (if any)
- f) Students' own views/perception/ opinion and learning from the topic.

Suggested List of topics [ANY ONE TOPIC]

- Price Determination
- Opportunity Cost
- Demand and its determinants
- Production –Returns to a Factor
- Monopoly
- Monopolistic Competition
- Money Multiplier
- Government Budget & its Components
- Exchange Rate Systems
- Balance of payments
- Price Discrimination
- Production Possibility Curve
- Supply and its determinants
- Cost function and Cost Curves
- Oligopoly
- Credit Creation
- Central Bank and its functions
- Budget deficit
- Foreign Exchange Markets

N.B: Make your report investigatory; do the research work on the policies and the steps that are implemented in the recent years; collect data on the budgetary policies taken up by the government; give examples of local markets, if any; give examples of the changes within your society; take in as many practical examples that you can to make your project/ report varied but be practical.

GENERAL GUIDELINES:

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2. The project should be handwritten.
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 - (i) Photographs (if any).
 - (j) Bibliography

SUBJECT: ENT.

Prepare a Business Plan as per CBSE norms on any product/Service.

NOTE: Your business plan should be on new product/service etc. and should not be on existing product or services.

GUIDELINES:

1) Your business idea: (Main product or service)

Product : Chocolates, Soap, Detergent powder/liquid soap, Sandwiches

Services: Tiffin service, Crèche ,Pet care center

Trading : Stationery, Flower shop

2) Name of your business, its logo and tagline :(Refer to unit 3, Class XII Entrepreneurship Book)

3) Are there similar products or services in the market?

4) What is your competitive advantage and what is your unique selling proposition (USP)?

5) Your marketing plan:

6)What is the cost per unit of your product or service

7) What is your selling price and your reason for it?

8) Give details of your startup costs here:

- i. Land
- ii. Building
- iii. Computers
- iv. Equipment
- v. Machinery
- vi. Vehicles
- vii. Vessels
- viii. Software
- ix. Inauguration ceremony
- x. Raw material
- xi. Salary
- xii. Rent advance

9) How would you meet your startup costs (be realistic)?

10) What are the likely risk factors in your business and how do you plan to mitigate them?

11) Suppose it is now a year since you started your business. Give us one month's profit and loss statement for the first month of the second year

12.) What is the break-even point of your business? Show the computation assuring the selling price and units which will be sold.

SUBJECT: IP

Design an E-Business application that offers an interface to search and view Mobile details from SMARTMOBILE table in the database. If the user decides to buy them its details get added to the Order Table and internally the SMARTMOBILE recorded is updated (minus qty ordered) in the table. When user clicks at **Submit** button, then a message box informs the user about number of toys ordered and total bill amount; Upon clicking **Exit** button, the application is closed.

SPECIFICATION :

- In search criterion, if name is selected then the label with text “Enter lower limit” changes to “Enter Name” and the Label with text “Enter upper limit” and the text field become disabled. Otherwise (in case Price or Age is selected as Sort Criterion) then lower limit and upper limit text fields apply to the selected criterion.
- After obtaining the search Criterion, search should be performed in the SMARTMOBILE table and the mobile

List box should get filled accordingly.

- The Order Qty text field is enabled only when the CLICK ME check box is ticked.
- The Mobile details get added to MOBILE ORDERED table only after Confirm Order Button is pressed for the Mobile.

Text Book Reference: Page No. : 540, Lab Q. 16

Create a HTML data entry web form to illustrate Text Box, Label, Checkbox, Option Button, List Box and command button. Students may use other HTML controls.

Text Book Reference: Page No. : 345, Lab Q. 3

Note: Student may carry educational/software CD which is attached with the text book.

They may install NetBeans IDE from the CD or they can download from the internet.

SUBJECT: PHYSICAL EDUCATION

The following is need to be done in the practical record file (Prescribed by the CBSE) :

1. Labelled diagram of field & equipment Rules, Terminologies & Skills of anyone of these team games – Basketball / Football / Volleyball.
2. Any two famous Indian players of that game (One male & one female)
