



Rukmani Birla Modern High School
Holiday Homework Assignment (Session 2021-22)
Class XII

Subject: English

ANSWER ANY TWO OF THE FOLLOWING QUESTIONS IN YOUR ENGLISH NOTE BOOK.

1. The covid virus is waging a guerrilla warfare on humanity. With its rapid mutation spanning more deadly variants, the need of the hour is to remain on high alert. President Franklin D. Roosevelt said, "We may not be able to prepare the future for our children but we can at least prepare our children for the future." In the light of the above statement, write an article on the topic:-How to combat the virus threat -a new social engineering and life-style needed.
2. Design an attractive poster to be displayed in the public domain on the topic : You can win against covid- Follow these guidelines.
3. There is an opportunity in every crisis- innovations take place from the ashes of the phoenix. As a keen observer who has followed the sweeping changes taking place in the education entertainment, hospitality and corporate sector etc- , write a motivational speech to be delivered to the students, on the topic- "The Dawn of A New Era".

Subject: Physics

Investigatory Project :

As per CBSE syllabus, the students have to prepare an investigatory project .The project must be based on some concept of physics of standard class XII. The students will have to submit a report on the project comprising scientific investigations involving laboratory testing and collecting information from other sources.

Guidelines to be followed :

- (a) The Students will get the topic of investigation from the concerned subject teacher.
- (b) Brief report (Investigation file)

Mention following details:

- | | | | |
|---|-----------------------------------|------------------|---------------------|
| i. Cover Page | ii. Index | iii. Certificate | iv. Acknowledgement |
| v. Content: | | | |
| v.i. Aim (name of investigatory project) | v.ii. Apparatus and material used | | |
| v.iii. Theory (concept, diagram etc.) | v.iv. Procedure | | |
| v.v. Experiments and Observations | v.vi. Result/Conclusion | | |
| v.vii. Application of project in daily life | v.viii. Bibliography | | |

Suggested topics of investigatory project:

- 1.To study various factors on which the internal resistance/EMF of a cell depends.
2. To study the variations in current flowing in a circuit containing an LDR because of a variation in
 - (a) the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance).
 - (b) the distance of a incandescent lamp (of fixed power) used to 'illuminate' the LDR.
3. To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, an equi convex lens (made from a glass of known refractive index) and an adjustable object needle.
4. To design an appropriate logic gate combination for a given truth table.
5. To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.

6. To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.
7. To estimate the charge induced on each one of the two identical styrofoam (or pith) balls suspended in a vertical plane by making use of Coulomb's law.
8. To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency.
9. To study the earth's magnetic field using a tangent galvanometer.

Subject: Chemistry

Investigatory Project- As per C.B.S.E. Guidelines:

As per CBSE syllabus, the students have to prepare an investigatory project. The project must be based on some concept of Chemistry of standard class XII. The students will have to submit a report on the project comprising scientific investigations involving laboratory testing and collecting information from other sources.

Project must cover the following:

- | | | | |
|-------------------------|-------------|------------------|---------------------|
| i. Cover Page | ii. Index | iii. Certificate | iv. Acknowledgement |
| v. Objective of Project | vi. Content | vii. Experiments | viii. Bibliography |

Few suggested projects:

1. Determination of rate of evaporation
2. Aspirin preparation
3. Bio diesel
4. Homeopathic Medicines
5. Determination of content of cold drinks
6. Setting of Cement
7. Variation of conductance with temperature
8. Study of Oxalate ion in Guava fruit
9. Comparative study of the rate of fermentation of various food material
10. Study of Adulterants in food stuff

Subject: Mathematics

Do the following Activities in the Mathematics Activity File:

1. To verify that the relation R in the Set L of all lines in a plane, defined by $R = \{(l, m) : l \perp m\}$ is symmetric but neither reflexive nor transitive.
2. To draw the graph of $\sin^{-1}x$, using the graph of $\sin x$ and demonstrate the concept of mirror reflection (about the line $y = x$).
3. To sketch the graphs of ax and $\log ax$, $a > 0$, $a \neq 1$ and to examine that they are mirror images of each other.
4. To establish a relationship between common logarithm (to the base 10) and natural logarithm (to the base e) of the number x .
5. To verify that for a function f to be continuous at given point x_0 , $\Delta y = f(x_0 + \Delta x) - f(x_0)$ is arbitrarily small provided, Δx is sufficiently small.
6. To understand the concepts of decreasing and increasing functions.
7. To understand the concepts of local maxima, local minima and point of inflection.
8. To verify geometrically that $c \times (a + b) = c \times a + c \times b$.
9. To demonstrate the equation of the plane in normal form.
10. To verify that the angle between two planes is the same as the angle between their normals.
11. To explain the computation of conditional probability of a given event A when event B has already occurred, through an example of throwing a pair of dice.

Note: Revise Chapters 3 and 4

Subject: Applied Mathematics

NOTE: Do the following activities in the mathematics activity file.

1. To sketch the graphs of ax and $\log ax$, $a > 0$, $a \neq 1$ and to examine that they are mirror images of each other.
2. To verify that for a function f to be continuous at given point x_0 , $\Delta y = f(x_0 + \Delta x) - f(x_0)$ is arbitrarily small provided, Δx is sufficiently small.
3. To understand the concepts of local maxima, local minima and point of inflection.
4. Using the following keywords – Shares, face value, Market Value, Brokerage, Types of shares, Debentures ... take an appropriate example to understand the given words and represent it by using graph.

Subject: Biology

INVESTIGATORY PROJECT

1. As per CBSE guidelines, the students have to prepare an investigatory project on a topic. They have to submit the project file comprising the scientific investigations done by him//her and the information collected from appropriate sources. The work should be done only on A4 size sheets.

2. Presentation of the project

- | | | | |
|-----------------|-----------------|--------------------------------|--------------------------|
| i. Index | ii. Certificate | iii. Acknowledgement | iv. Objective of Project |
| v. Introduction | vi. Content | vii. Discussion and Conclusion | viii. Bibliography |

Few suggested topics:

- | | |
|---|--|
| 1. Anthropogenic action and environment(evidences from present conditions) | 11. Evolutionary evidences |
| 2. Biopiracy | 12. Gene therapy |
| 3. Role of biotechnology in combating viral attack | 13. Population interaction |
| 4. Plasma therapy | 14. Conservation strategies |
| 5. Anti-viral decontamination of inanimate surfaces | 15. DNA fingerprinting |
| 6. Developing antibodies against COVID 19 | 16. Harmful effects of mobile radiations |
| 7. Anthropogenic action deteriorate environment. | 17. Malnutrition in India |
| 8. Chromosomal disorder | 18. Microbes to control pollution |
| 9. Pedigree analysis | 19. Biofertilizers |
| 10. Human diseases | 20. Population explosion and control |
| | 21. Effect of smoking during pregnancy |
| | 22. IVF |
| | 23. Amniocentesis |
| | 24. Genetic engineering for Indian Farmers |
| | 25. Nuclear waste management |

Subject: Physical Education

1. Choose any game of your choice out of the list below. Labelled diagram of field & equipment (Rules, Terminologies & Skills)

Basketball, Football, Kabaddi, Kho-Kho, Volleyball, Handball, Hockey, Cricket

Practical 2: Procedure for 4 Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease.

Subject: Economics

The students are required to prepare a project as per the guidelines issued by the CBSE (available on www.cbse.nic.in). There is a list of suggested topics for the same on this website.

After conducting research work on the selected topic, each student will prepare and submit his/her project report in a file. Following essentials are required to be fulfilled for its preparation and submission.

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/file.

The project file must contain the following details:

- i. Cover page
- ii. Certificate and Acknowledgement
- iii. Introduction of topic/title
- iv. Identifying the causes, consequences and/or remedies.
- v. Various stakeholders and effects on each of them
- vi. Advantages and disadvantages of situations or issues identified
- vii. Short-term and long-term implications of economic strategies suggested.
- viii. Using appropriate research methodology
- ix. Conclusion
- x. Bibliography

Subject: Accountancy

Project Work as per C.B.S.E. Guidelines: SPECIFIC PROJECT

Objective: To develop the competence of reading accounting data from quarterly or half yearly or annual reports of corporate sector and interpreting the information on the basis of given guidelines to present the desirable information in required format in the Project File for specific project.

Students have to collect the quarterly or half yearly or Annual Audited Consolidated Financial Statements of Public Ltd. Companies which are listed on stock exchange (NSE/ BSE) from newspapers, magazines or from the websites of the companies. Financial Statements should be of 2020-21.

Financial Statements (2020-21) will include – Statement of Profit and Loss, Statement of Balance Sheet, Cash flow Statement and Segment Report of Revenue, Profit and Capital employed.

Students will prepare a Project File(A3 Size and ruled white sheets) to record their work related to the problems attempted by them in the following format :

- i. Cover Page-** First page of the file should describe title of work, identity of student, Name of school and Name of the teacher concerned. The cover page should be designed properly. (Art integration work)
- ii. Acknowledgement**
- iii. Certificate**
- iv. List of contents-** Index to indicate columns for title of work, page no., source, teacher's remarks and signature.
- v. Introduction of the Company** - Pictures of product, brief description of company, organizational structure etc.
- vi.** Print outs /Cuttings of all the financial statements(2020-21) of the company to be pasted.

Few suggestive Companies for specific project:

- | | | | |
|-----------------------------|----------------------------|---------------------------|------------------------|
| 1. Bata India Ltd. | 2. Bajaj Auto Ltd. | 3. Bombay Dyeing Ltd. | |
| 4. Godrej Industries Ltd. | 5. Hindustan Unilever Ltd. | 6. Infosys Ltd. | 7. ITC Ltd. |
| 8. Reliance Industries Ltd. | 9. Asian Paints Ltd. | 10. Maruti Suzuki Ltd. | |
| 11. BHEL LTD. | 12. TCS Ltd. | 13. Sun Pharma Ltd. | 14. Bharti Airtel Ltd. |
| 15. Pidilite Ltd. | 16. Tata Motors Ltd. | 17. Tata Steel Ltd. | 18. Larsen Tubro Ltd. |
| 19. Wipro Ltd. | 20. NTPC Ltd. | 21. Ultratech Cement Ltd. | |

vii. Each child need to take separate company for the project work.

viii. Project File should be neatly handwritten and presentable with page numbers.

Subject: Business Studies

Students are supposed to select one unit out of four and are required to make only ONE project from the selected unit.

Project One: Elements of Business Environment

Changes witnessed over the last few years on mode of packaging and its economic impact.

Changing role of the women in the past 25 years relating to joint families, nuclear families, women as a bread earner of the family, changes in the requirement trend of mixers, washing machines, micro wave and standard of living.

The changes in the pattern of import and export of different Products.

The trend in the changing interest rates and their effect on savings etc.

Project Two: Principles of Management

The students are required to visit any one of the following:

1. A departmental store.
2. An Industrial unit.
3. A fast food outlet.

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

OR

They may enquire into the application of scientific management techniques by F.W.Taylor in the unit visited. The observations could be on the basis of-

The different stages of division of work resulting to specialization.

Following instructions and accountability of subordinates to higher authorities.

Visibility of order and equity in the unit.

Communication levels and pattern in the organization.

Methods and techniques followed by the organization for unity of direction and Coordination amongst all etc.

Project Three: Stock Exchange

The students are expected to:

- a) Develop a brief report on History of Stock Exchanges in India.
- b) Prepare a list of at least 25 companies listed on a Stock Exchange.
- c) To make an imaginary portfolio totaling a sum of Rs. 50,000 equally in any of the 5 companies of their choice listed above over a period of twenty working days.

The students may be required to report the prices of the stocks on daily basis and present it diagrammatically on the graph paper.

Project Four: Marketing

Presentation and Submission of Project Report

At the end of the stipulated term, each student will prepare and submit his/her project report.

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

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-
 - i. Cover page should include the title of the Project, student information, school, and year.
 - ii. List of contents.
 - iii. Acknowledgements and preface
 - iv. Introduction.

Subject: Entrepreneurship

PROJECT 1 - 'MARKET SURVEY'

The students are required to prepare a market survey as per the guidelines issued by CBSE (available on www.cbse.academics.in). Submit a project report having essential features as follows:

- Conduct a simple market research with the objectives of estimating demand for the existing product in the market.
- Do research in the form of Questionnaire (No of questions in Questionnaire is 15, with 4 option given in each question.)
- Conduct the survey for the innovative product.
- Selection of product was already discussed in the class 11 (Every student has to select different product as topic. It should not be match with other students.
- While selecting the product keep in mind that product will be same in both the project
- Avoid products whose use is banned by the society and government like alcohol, pan masala, tobacco products etc.

- Project should be hand written.
- Project must be presented in A4 size sheets (try to take colored and handmade sheets).
- No cutting and overwriting is allowed. It should be a neat project.
- Project must be creative and attractive.

The project file will be developed in the following sequence-

- Cover page
- Certificate
- Acknowledgement
- Index
- Executive summary / Introduction about product with photo
- Objectives
- General Features of the product
- SWOT Analysis of different competitors (at least take 5 competitors) with photos, logo, tagline, USP and give your suggestions to the company as how they can improve their product
- Respondents List (Questionnaire must be filled by 20 respondents)
- Sample Questionnaire
- Analysis Table
- Data analysis and interpretation of each question (with bar or pie diagrams)
- Report Making
- Bibliography
- Appendix

- Questionnaire filled by 20 respondents
- Performa print out (given in NCERT page no. 268)

PROJECT 2 - 'BUSINESS PLAN'

(Product will be same as taken in Project-1)

The Separate project file will be developed in the following sequence-

- Cover page
- Certificate
- Acknowledgement
- Index
- Executive Summary about your own product with photo designed by you
- Objectives or Features of your own product
- Why you have chosen this product?
- Type of your product (if any)
- Chemical Composition of your product
- Marketing Plan (Meaning)
- Marketing Mix (4P's)

- Product (Brand name, Logo, Colour, Tagline, USP designed by you, Packaging, Labelling, Licensing, warehousing, Transportation, Target Market, SWOT Analysis of your own product with photos.
- Price (Meaning, Price of your product, Methods of pricing selected for your product) with photo
- Place (Meaning and Channel of distribution selected for your product) with photo
- Promotion (Meaning and technique of sales promotion selected for your product) with photo

(Remaining part of 2 project will be done after completing Chapter 2)

Subject: Geography

Prepare a practical file and write the given topics of ch-1 and 2 in it.

Chapter 1 Data-its source and compilation

- 1 What is Data?
- 2 Need of Data
- 3 Sources of Data: Primary Data and Secondary Data
- 4 Data compilation and Presentation

Chapter 2 Data processing

- 1 Measures of central Tendency
 - 2 Computing Mean from Ungrouped Data
 - 3 Median
 - 4 Mode
 - 5 Comparison of Mean, Mode and Median
- Field Survey: case Studies

Make a Questionnaire of At least 15 question for conducting the survey on any of the given topics-

- 1 Groundwater change
- 2 Environmental pollution
- 3 Soil Degradation
- 4 Poverty

Subject: History

INTRODUCTION

History is one of the most important disciplines in school education. It is the study of the past, which helps us to understand our present and shape our future. It promotes the acquisition and understanding of historical knowledge in breadth and in depth across cultures.

The course of history in senior secondary classes is to enable students to know that history is a critical discipline, a process of enquiry, a way of knowing about the past rather than just a collection of facts. The syllabus helps them to understand the process, through which a historian collects, chooses, scrutinizes and assembles different types of evidences to write history.

The syllabus in class-XI is organized around some major themes in world history. In class XII the focus shifts to a detailed study of some themes in ancient, medieval and modern Indian history. CBSE has decided to introduce project work in history for classes XI and XII in 2013-14 as a part of regular studies in classroom, as project work gives students an opportunity to develop higher cognitive skills. It takes students to a life beyond text books and provides them a platform to refer materials, gather information, analyze it further to obtain relevant information and decide what matter to keep and hence understand how history is constructed.

OBJECTIVES

Project work will help students:

- To develop skill to gather data from a variety of sources, investigate diverse viewpoints and arrive at logical deductions.
- To develop skill to comprehend, analyze, interpret, evaluate historical evidence and understand the limitation of historical evidence.
- To develop 21st century managerial skills of co-ordination, self-direction and time management.
- To learn to work on diverse cultures, races, religions and lifestyles.
- To learn through constructivism-a theory based on observation and scientific study.
- To inculcate a spirit of inquiry and research.
- To communicate data in the most appropriate form using a variety of techniques.
- To provide greater opportunity for interaction and exploration.
- To understand contemporary issues in context to our past.

Project File must contain:

1. Cover page as per the topic
2. Project Synopsis
3. Map work
4. Proper explanation and Impressive presentation
5. Bibliography

FEW SUGGESTIVE TOPICS FOR PROJECTS

1. The mysteries behind the mound of dead –Mohenjo-Daro
2. An In-depth study to understand Spiritual Archaeology in the Sub-Continent
3. Buddha's Path to Enlightenment
4. Insight and Reflection of Bernier's notions of The Mughal Empire
5. An exploratory study to know the women who created history
6. "Mahatma Gandhi" – A legendary soul
7. To reconstruct the History of Vijayanagar through the Archaeology of Hampi
8. The emerald city of Colonial Era –BOMBAY
9. Vision of unity behind the first war of Independence
10. Divine Apostle of Guru Nanak Dev
11. Help, Humanity and Sacrifices during Partition
12. Glimpses inside Mughals Imperials Household
13. The process behind the framing of the Indian Constitution
14. The 'Brahm Nirupam' of Kabir – A journey to Ultimate Reality

Subject: Sociology

PROJECT WORK

As per the CBSE guidelines each student must prepare a research project. The project must involve actual firsthand research done by the students in close consultation with the teacher. Students can take any topic of their choice emphasizing the importance/effects/role of society.

PREPARATION AND SUBMISSION OF PROJECT REPORT

Each report must fulfill the following requirements:

1. The body of the Project Report will be of approximately 15-20 A4/A3 Pages excluding additional appendices, questionnaires etc.
2. The project report will be written in the student's own hand; though they may include other illustrative material that is not hand - written
3. The project report will contain the following matter:
 - a) Cover page showing project title, student's information, school and session
 - b) List of contents
 - c) Acknowledgements and preface
 - d) Introduction
 - e) Rationale Purpose) -The reason for the choice of the subject and its social significance.
 - f) Methodology Technique - Mention the methodology e.g. questionnaire, case study, ethnographic description
The students may use any method which is appropriate for the topic selected. Detailed steps and procedures adopted must be given.
 - g) Presentation of evidence - There must be a major section formally presenting the evidence gathered as a part of the project. This can be in the form of tables, extracts from interviews, reports on case studies or discussion of documentary data (newspapers, articles, magazines, diaries, photographs). However, there should be value addition by the student, and it must not be a simple reproduction of the original material.
 - h) Analysis of evidence & conclusions - Each project should summarize its conclusions in a separate section. This can be brief but should be clearly and carefully stated. If possible, some suggestions can be given for further enhancement in the areal subject studied. This section can also include a statement describing the limitations of the study.
 - i) Bibliography/ Appendix or other supporting material - This should include the references to relevant books and other sources used for the study. The appendix will include questionnaires, list of interviews, documents or any other material used in the study.

Subject: Psychology

A detailed case study on assigned psychological disorder such as Anxiety disorder, Depression, Schizophrenia, Somatoform disorder etc. including following points.

- i. Introduction of disorder
- ii. Causes
- iii. Symptoms
- iv. Diagnosis
- v. Treatment
- vi. Case Profile.

Subject: Commercial Arts

1. Make illustrations based on subjects given in your syllabus.

No. of Sheets: 07

Medium: As per discussion

Size of the Sheet- 11" x 14"

Type of Sheet- Ivory / Cartridge /Any other as per requirement

1. Make Posters based on the subjects given in your syllabus.

No. of Sheets: 07

Medium: As per discussion

Size of the Sheet- ½ imperial

Type of Sheet- Italian Mount Board / Any other as per the requirement

2. Choose any one folk art and draw and paint it using Acrylic colours on any one of the objects- Cloth Bag, Wooden utensils, Mobile Covers, Face Mask, Lamp Shade, Terracotta Object, Tea Coasters etc.(Any other object of your choice)

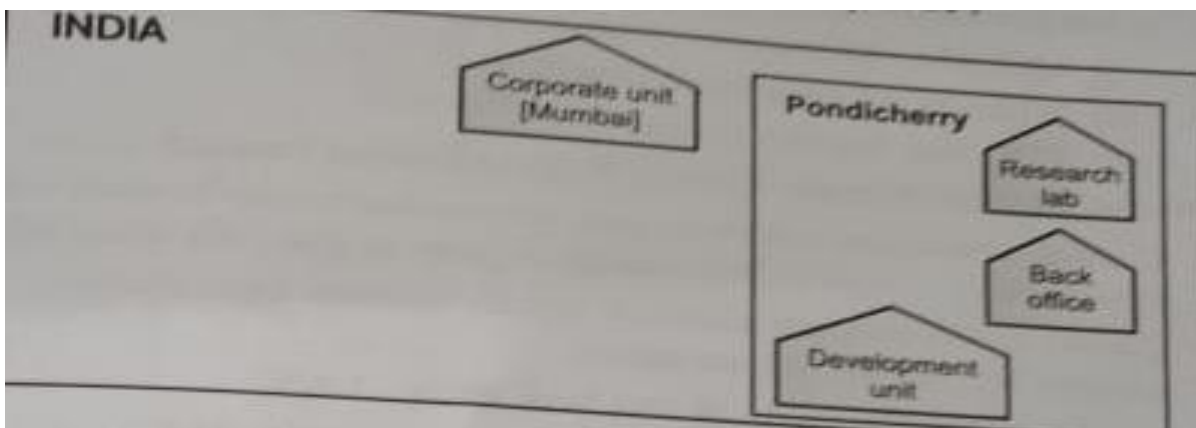
Note:

- **Students will first make layouts and after taking the approval will make the final artwork.**
- **Refer to the Power point Presentation (Introduction to Practical)**
- **Students are required** to follow the guidelines as briefed during the class.

Subject: Computer Science

Do following questions in notebook and upload in class notebook.

Q1. Bias Methodologies is planning to expand their network in India, starting with three cities in India to build infrastructure for research and development of their chemical products. The company has planned to setup their main office in Pondicherry- at three different locations and have named their offices as “Back Office”, “Research Lab” and “Development Unit”. The company has one more research office namely “Corporate Office” in Mumbai. A rough layout of the same is as follows:



Approximate distance between these offices is as follows:

From	To	Distance
Research Lab	Back Office	110 Mtr
Research Lab	Development Unit	16 KM
Research Lab	Corporate Unit	1800 KM
Back Office	Development Unit	13 KM

In continuation of the above, the company experts have planned to install the following number of computers in each of their offices:

Research Lab	158
Back Office	79
Development Unit	90
Corporate Unit	51

(i) Suggest the kind of network required (out of LAN, WAN, MAN) for connecting each of the following office units:

- Research Lab and Back Office
- Research Lab and Development Unit

(ii) Which one of the following devices will you suggest for connecting all the computers with in each of their office units?

- Switch/Hub Modem Telephone

(iii) Which of the following communication media, you will suggest to be procured by the company for connecting their local office units in Pondicherry for very effective (High Speed) communication?

- Telephone Cable Optical Fibre Ethernet Cable

(iv) Suggest a cable/wiring layout for connecting the company's local office units located in Pondicherry. Also, suggest an effective method/technology for connecting the company's office unit located in Mumbai.

(v) Suggest the most suitable place to house the server of this company with a suitable reason.

Q2. Damodar Mohan has been informed that there had been a backdoor entry to his computer, which has provided access to his system through a malicious user/programs, allowing confidential and personal information to be subjected to theft. It happened because he clicked a link provide in one of the pop-ups from a website announcing him to be winner of prizes worth 1 Million Dollars. Which of the following has caused this out of the following?

- Virus
- Worm
- Trojan Horse

Q3. Tarini Wadhawa is in India, and she is interested in communicating with her uncle in Australia. She wants to show one of her own designed gadgets to him and also wants to demonstrate its working without physically going to Australia. Which protocol out of the following will eb ideal for the same?

- POP3
- SMTP
- VoIP
- HTTP

Q4. Out of following, which all comes under cybercrime?

- Stealing away a brand-new hard disk from a showroom.
- Getting in someone's social networking account without his consent and posting pictures on his behalf.
- Secretly copying data from server of an organization and selling it to the other organization.
- Looking at online activities of a friends' blog.

Q5. Illustrate the layout for connecting 5 computers in a Bus and a Star topology of Networks.

Q6. Write two applications of Cyber Law.

Q7. A teacher provides <http://www.XtSchool.com/default.aspx> to his/her student to identify the URL and domain name.

Q8. Out of the following, identify client-side script(s) and server-side script(s):

- JavaScript
- ASP
- VBScript
- JSP

Q9. Name any two proprietary software along with their applications.

Q10. What is the difference between client-side scripting and server-side scripting languages?

Subject: Informatics Practices

Do following questions in notebook and upload in class notebook.

Q1. Consider a table Employee and answer the queries as given below-

Empno	Ename	Job	Mgr	Sal	Comm.	Deptno
8369	Smith	Clerk	8902	800.00	NULL	20
8499	Anya	Salesman	8698	1600.00	300.00	30
8521	Seth	Salesman	8698	1250.00	500.00	30
8566	Mahadev	Manager	8839	2985.00	NULL	20
8654	Momin	Salesman	8698	1250.00	1400.00	30
8698	Bina	Manager	8839	2850.00	NULL	30
8882	Shiavnsh	Manager	8839	2450.00	NULL	10
8888	Scott	Analyst	8566	3000.00	NULL	20
8839	Amir	President	NULL	5000.00	NULL	10
8844	Kuldeep	Salesman	8698	1500.00	0.00	30
8886	Anoop	Clerk	8888	1100.00	NULL	20
8900	Jatin	Clerk	8698	950.00	NULL	30

- i) Display ename, sal and sal added with comm. From table employee.
- ii) Write a query to display employee name, salary and department number who are not getting commission from table employee.
- iii) Write a query to display employee number, name, sal and sal*12 as Annual Salary whose commission is not NULL from table employee.
- iv) List all unique department numbers in table employee.
- v) List details of all clerks who have not been assigned departments as yet.
- vi) List the details of those employees who have four lettered names.
- vii) List the details of those employees whose annual salary is between 25000-40000.
- viii) List the details of employees who earn more commission than their salaries.
- ix) Write a query to display the name, job title and salary of employee who do not have manager.
- x) Write a query to display the name of employee whose name contains 'A' as an alphabet anywhere in the middle of the name.
- xi) Write a query to display the name of employee where name starts with 'B' and ends with 'a'.
- xii) Write a query to display ename and sal of employees whose salary are greater than or equal to 2200 from table employee.
- xiii) Write a query to display employee name and salary of those employee who don't have there salary in the range of 2500 to 4000?
- xiv) Write a query to display the name , job title and salary of employee who do not have manager?
- xv) Write a query to sort the names in descending order.

Subject: Political Science

As per the guidelines of CBSE every student must take up a topic as a project work.

NOTE: Project work must be handwritten on A4 Size paper. (NO PRINTOUT). It is an individual work.

The project must develop as per the following guidelines:

- i. Preface (summary of the project) ii. Acknowledgment iii. Certificate iv. Index v. A brief introduction
vi. Content vii. A comparative Study viii. Conclusion
ix. Bibliography

PROJECT LIST 2021- 2022(YOU CAN CHOOSE ANY ONE TOPIC.)

1. INDIA'S RELATION WITH U.S AND CHINA
2. AFGHAN WAR – 1978-1980
3. CONTEMPORARY SOUTH ASIA, ROLE OF SARRC NATIONS
4. SECURITY IN THE CONTEMPORARY WORLD
5. INTERNATIONAL ORGANISATIONS
6. ENVIRONMENTAL CONCERNS AND GLOBAL POLITICS
7. GLOBALISATION AND ITS IMPACT ON THE WORLD POLITICS.
8. REASONS OF GROWING CHINESE ECONOMY, ITS COMPARISON WITH U. S / EUROPEAN COUNTRIES AND INDIA
9. PARTITION: DISPLACEMENT AND REHABILITATION
10. INTERGRATION OF PRINCELY STATES AND THE ROLE OF STATES REORGANISATION COMMISSION.
11. NITI AAYOG
12. ROLE OF REGIONAL AND OPPOSITION PARTIES IN THE POLITICS OF INDIA FROM INDEPENDENCE TILL DATE
13. DEVELOPMENTAL PLANS OF INDEPENDENT INDIA AND ITS OUTCOMES
14. INDIA'S FOREIGN POLICY
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