

CLASS-X
PROJECT TOPICS
Patuli

(A) ENGLISH LITERATURE

Assignment 1 (Select any one topic)

Q1. In Roald Dahl's poem "Television", he portrays the television as an "idiot box", which comes in the way of creativity and imagination, and which should be thrown away by parents. In a time when the entire world is practising self-isolation (due to the lockdown), do you think that the television can become a source of learning, something that encourages us to be creative and imaginative, contrary to what Dahl had written about it?

Q2. In O. Henry's story "A Face in the Dark", Mr. Oliver experiences what can only be called a supernatural incident. Do you believe what Mr. Oliver had seen, or do you think that it might just be his imagination because he was alone in the pine forest? Do you think that we tend to be more afraid of the dark when we are alone?

Assignment 2 (Select any one topic)

Q1. In James Patric Kinney's poem "The Cold Within" tells us how being together and supporting each other without any prejudices is our only hope during difficult times. Keeping the poem and the present pandemic and lockdown in mind, write about the value of compassion in trying times.

Q2. In T.S. Arthur's story "An Angel in Disguise", Mr. Joe Thompson and Mrs. Jane Thompson come to love Maggie unconditionally. Do you think Maggie's presence makes Mr. and Mrs. Thompson more loving people or does her presence reveal how loving they were to begin with?

(B) HISTORY AND CIVICS

PROJECT TOPIC: Prepare a report on the contributions of any one of the following agencies of the United Nations- UNESCO/WHO/UNICEF/ILO/UNDP/FAO

TOPIC POINTERS:

Introduction : *Content – 1 page

1. Write about UN and its brief history (Atlantic Charter , End of second world war, objectives of the un)(2 pages)
2. The date of formation of the particular agency (1 page)
3. The reason behind the formation(2 pages)
4. The objectives and aims (3 pages)
5. The headquarter / workings of the agency(2 pages)
6. Mention any 8 contribution (one page each)
7. Conclude with how effective it is and what its role in the coming years. (2 pages)
8. Bibliography (1 page)

INSTRUCTIONS:

1. Brown cover with name , class, and subject written
2. 20 pages minimum 25 maximum.
3. Black and white or coloured pictures. Both are acceptable.
4. All pictures should have captions
5. Any one agency do NoT attempt more than one
6. Coloured pens are allowed.
7. Hard covers are must.

(C) GEOGRAPHY

PROJECT TOPIC - TRANSPORT

GUIDELINES:

1) HARD COVER FILE

2) ON THE COVER: LABEL (NAME, CLASS, SECTION, ROLL NO, SESSION

3) NAME OF THE TOPIC TO BE WRITTEN ON A SHEET AT BEGINING OF THE PROJECT BELOW THE HARD COVER

PAGE NO	SUB TOPIC	RULED PAGE	WHITE PAGE
1	CONTENT		
2	INTRODUCTION	RELATED TOPIC TRANSPORT	PICTURES
3 TO 7	ROADWAYS	<ul style="list-style-type: none">➤ MODES OF ROAD NETWORK➤ TYPES OF ROAD➤ GOLDEN QUARDILATERAL ➤ ADVANTAGES➤ DISADVANTAGES ➤ ROLE & IMPORTANCE OF NATIONAL HIGHWAY	<ul style="list-style-type: none">➤ PICTURES ➤ MAP SHOWING GOLDEN QUARDILATERAL➤ TABLE SHOWING SOME IMPORTANT EXPRESSWAY

8 TO 10	RAILWAYS	<ul style="list-style-type: none"> ➤ TYPES OF RAILWAY GAUGE ➤ IMPROOVEMENT ➤ IMPORTANCE ➤ ADVANTAGES ➤ DISADVANTAGES 	PICTURES AS NEEDED
11 TO 13	AIRWAYS	<ul style="list-style-type: none"> ➤ CIVIL AVIATION ➤ AIRPORT CLASSIFICATION ➤ GAGAN (BENEFITS) ➤ ADVANTAGES ➤ DISADVANTAGES 	<ul style="list-style-type: none"> ➤ MAP SHOWING 2DOMESTIC & 2INTERNATIONAL AIRPORT ➤ PICTURES
14 TO 17	WATERWAYS	<ul style="list-style-type: none"> ➤ MEANS OF WATERWAYS ➤ MAJOR PORTS & SHIPPING ➤ ADVANTAGES OF COASTAL SHIPPING ➤ ADVANTAGES ➤ DISADVANTAGES ➤ PROBLEMS OF INDIAN PORTS 	<ul style="list-style-type: none"> ➤ PICTURES ➤ MAP POINT ANY 4 IMPORTANT SEAPORTS ➤ TABLE SHOWING NATIONAL WATERWAYS OF INDIA
18 & 19	BIBLIOGRAPHY ACKNOWLEDG EMENT		

NOTE:

- 1. USE ONLY BLACK PEN**
- 2. NO COLOR PEN SHOULD BE USED EXCEPT FOR THE MAP WORK**
- 3. PICTURES CAN BE COLORED OR BLACK & WHITE**
- 4. NEWS PAPER CUT OUTS ARE APPRECIATED**
- 5. FOR THE ADVANTAGES & DISADVANTAGES 3 POINTS EACH ARE SUFFICIENT**

(D) HINDI (2ND LANGUAGE)

Assignment-1

रामधारी सिंह 'दिनकर'का जीवन परिचय लिखते हुए 'स्वर्ग बना सकते हैं ' कविता का उद्देश्य और शीर्षक की सार्थकता स्पष्ट करें

Assignment- 2

'अन्तरराष्ट्रीय' महामारी के रूप में फैलने वाले कोरोना वायरस (Covid-19)विश्व के सामने एक चुनौती के रूप में आया।'इसकी उत्पत्ति कहाँ से मानी जाती है? इसने पूरे विश्व को किस प्रकार प्रभावित किया तथा इसके निपटने के लिए क्या- क्या कदम उठाए गए।इसके बारे में विस्तार से लिखें।

(E) BENGALI (2ND LANGUAGE)

ASSIGNMENT - 1

TOPIC:

Marks – 10

চন্দ্রযাত -২

ভূমিকা : প্রাচীন ভারতে মহাকাশ গবেষণা

বিবরণ : আধুনিক ভারতের প্রথম চন্দ্র অভিযান

চন্দ্রযাত -২ জারুল্য ও ব্যর্থতা

উপসংহার :

ASSIGNMENT - 2

TOPIC:

অসহযোগী- মাতিক বন্দ্যোপাধ্যায়

Question 1.

” কিন্তু পঁচিশ টাকার বেশি ওর লাগবে না।”

ক) উক্তিটির বক্তা কে?

খ) তিনি কারে একথা বলেছেন?

গ) 'ওর' পঁচিশ টাকা কেত লাগবে?

ঘ) তার বেশি লাগবে তাহি বা কেত?

2+2+3+3=10

(F) ECONOMIC APPLICATIONS

PROJECT 1

Make a list of products for which you think demand is price inelastic and price elastic. Specify the reasons you may think relevant for your analysis.

DETAILS

- I. Define demand, elasticity of demand
- II. Define types of elasticity of demand along with example and diagram
- III. Methods of calculating elasticity of demand
- IV. factors effecting elasticity of demand
- V. Name of 10 items for which demand is inelastic. explain why
- VI. Name of 10 items for which demand is elastic. explain why
- VII. conclusion

PROJECT 2

Take a case of five FMCG'S- Fast moving consumer goods- bathing soaps, toothpastes, facial creams, shampoos, ball pens. Analyze as to how the market for these products is characterized by product differentiation.

DETAILS :

- I. Define market, types of market (define each)

- II. Discuss features of monopolistic competition market
- III. What is product differentiation
- IV. Mention different brands of bathing soaps, toothpastes, facial creams, shampoos and ball-pens and how each of the brand or product is differentiated from the other.
- V. How product differentiation helps the product in the market
- VI. give more example where product differentiation is applied
- VII. conclusion

(G) COMPUTER APPLICATIONS

TOPIC --- JAVA PROGRAMS – PROJECT I

Guidelines to do the Project:-

- Write the following programs in “Java” language in a shoe-lace File.
 - Give the Variable Description Table at the end of each program.
 - Also attach the Printout of the Output screens of each program on the blank page on the left-hand side of the program.
 - The project should have a name page, an index page, the programs, bibliography and acknowledgement. Give a hard cover to the project and cover the project with a brown paper.
1. Write a program to find the greatest of the three numbers entered from the console by using Ternary operator. Input the three numbers using Stream Reader.
 2. Write a program to input three sides of a triangle and check whether a triangle is possible or not. If possible, then display whether it is an Equilateral, an Isosceles or a

Scalene Triangle; otherwise, display “Triangle is not possible”.

3. Write a program to convert from one unit to another unit as per the User’s choice using Switch Case.

<u>Choice no.</u>	<u>Conversion</u>
1	KB to Bytes
2	Metre to Inch
3	Gallon to Litre

Hint:

1 KB = 1024 Bytes; 1Metre = 39.34 Inch; 1 Gallon = 20/9 Litres

4. Write a program to find the sum of the given series, taking the values of ‘a’ and ‘n’ from the user using BlueJ System.

$$S = a/2 + a/3 + a/4 + \dots + a/n$$

5. A Happy Number is defined as :

Take a positive number and replace the number by the sum of the squares of its digits. Repeat the process until the number equals 1 (one). If the number ends with 1 then it is called a Happy number. Write a program to input a number using Scanner Class and check whether it is a “Happy Number” or not. The program displays a message accordingly.

Sample Input: 31

Solution: 31 »»»»» $3^2 + 1^2 = 10$ »»»»» $1^2 + 0 = 1$

Sample Output: A Happy Number

(H) ENVIRONMENTAL SCIENCE

ASSIGNMENT-1

Discuss the various methods of controlling air pollution from industries.

Instructions:

1. Introduction should comprise of the following -
 - Definition of Air Pollution
 - The sources of air pollution.
2. Concentrate on the following measures-
 - Technological measures-energy efficient devices and clean technologies
 - Meteorological controls
 - Zoning strategy
3. Case study- The Taj Trapezium
4. Each method of control should be in a separate paragraph.
5. Conclusion should comprise of penalties and subsidies
6. Word limit 300-350 words
7. Pictures to be collected cut and kept ready. DO NOT PASTE.

ASSIGNMENT-2

Q. Biodiversity is at risk due to human activities. In terms of conservation strategies, discuss the Ramsar Convention on Wetlands.

Instructions:

1. Introduction should comprise of the following -
 - Brief history
 - What is the Ramsar Convention.
2. Concentrate on the following topics for the body-
 - The Ramsar List
 - International Cooperation- International organisation partners, other partners
 - Bodies established by the convention
3. Each topic of discussion should be in a separate paragraph.
4. Conclusion should comprise of importance of the Convention and a mention of World Wetland Day.
5. Word limit 300-350 words
6. Pictures to be collected, cut and kept ready. **DO NOT PASTE.**

(I) COMMERCIAL STUDIES

Assignment 1

Marketing meaning, objective, function and importance, concept of E-commerce and its benefits.

Assignment 2

Concept of Banking, meaning and function of central bank and comparison with commercial bank and technological development in the banking sector with banking services

(J) MATHS

Topic: Banking- Recurring Deposit Account.

The Project should have the following:

1. TERMS related to recurring deposit: Recurring deposit, Monthly installments, Payment of installment, Tenure, Rate, Maturity date, Maturity amount, Formula for computing interest and Maturity amount. (1/2 lines on each).
2. Sums to find maturity amount, monthly installment, rate of interest, time period.
3. Compare maturity amount between 2 banks (different rate) with same amount of monthly deposit and comment.
4. Benefits of Recurring Deposit.

No sums from M.L. Aggarwal, no rough work, use practical file interleaf pages, use black pen and blue for headings.

