



# Delhi Public School Gwalior

(Under the aegis of DPS Society, New Delhi)

## Holiday Assignment

### Class - X

Session (2023-24)



**Dear Parents**

**Greetings of the day!**

Vacations are the best time to relax and enjoy. Summer vacations are the reason behind fun in the sun, beach and shadow of the umbrella, but it is also the time to keep some analogy of academics alive in the fun to chisel the inherent potential inside your child. My suggestion to you is to spend these holidays being sociable and be vibrant in undertaking your plans so that the vacation is made purposeful.

To begin with, enhance every precious moment prudently by motivating your child to read informative and enlightening books. Help them improve their speech by conversing with them on every possible occasion and strop their vocabulary by providing them with new words. Spend substantial time visiting your kith and kin and people in your vicinity. Hold parley with your child on daily happenings and crucial world events as this is the best time to update, put forth your thoughts, notions and ideas before your ward and ask for an opinion, be a constant supporter of tolerance and disseminate it amongst people, teach your child to help and let him/her realize the meaning of real happiness and harmony and certainly root out all possible ill feelings and factions. Try being friendly and benevolent to all, let your child play the part in family reunions which will strengthen your family bond. Look out for the ways to abrade the plodding routine and take up some supportive vigorous activities with your child like swimming, cycling, jogging, painting or any other activity that your child enjoys.

It's your time to make every single moment eventful and memorable for your child and fill them with loads of experiences, which he/she eagerly wants to share with his/her pals and Educators when returned to School.

**I wish you a pleasant vacation!**

**Regards**

**Principal  
Delhi Public School Gwalior**

## **ADD ONS TO MAKE YOUR VACATION MEANINGFUL !!**

Childhood is a crucial stage of development. Most of life's important lessons are learnt here! Let us join hands and make sincere efforts to augment and hone the learning process of the child through inculcation of self learning and keen observation.

- \* Let us attempt to enable them by allowing them to assume responsibilities of the routine household and shopping chores. (e.g.: laying the table, serving the guests, making their beds, buying groceries from the nearby stores etc.)
- \* Let us make them aware about their social responsibilities which will transform them into a responsible citizen of our society. (e.g.: keeping the surroundings clean, make use of public litter bins, switching off lights / fans / closing the taps properly etc.)
- \* They should be taught how to connect with Almighty God through prayers and meditation. (e.g.: daily prayers, thought of the day, meditate to improve the concentration etc.)
- \* Socialize and connect with people, neighbours and relatives. (e.g.: meeting & greeting neighbours, helping the elderly around, be friendly to the peers etc.)

**We wish all the great for your summer holiday time. May all the pleasure in the world embrace you, let your fun endless with friends and family.**

**Note : Kindly do all the Holiday Assignments neatly and submit it latest by July 10, 2023.**

## **SUBJECT – ENGLISH**

- A.** Engage yourself in reading the novel of your choice

The Diary of a young Girl by Anne Frank .

**OR**

The Story of My Life by Helen killer

- ❖ Write the review of the book
- ❖ The plot of the novel
- ❖ Your favourite character of the novel
- ❖ An incident which impressed you the most.

- B.** In the Main Course Book do unit 4-Environment and unit 5- Travel and Tourism

- C.** Prepare a collage on an A4 size sheet, representing the countries involved in the G-20 Summit.

Compile the work in a file and submit the same in the first week of the reopening of the school after the summer vacations

**Revise all the chapters done in Literature reader thus far**

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## **SUBJECT – HINDI**

### **ग्रीष्मकालीन गृहकार्य**

- प्रश्न 1. भक्तिकाल के कवियों के चित्र चिपकाइए तथा कोई पाँच दोहा, चौपाई, पद आदि लिखिए।
- प्रश्न 2. दूसरों की क्षमताओं को भी कम नहीं समझना चाहिए – इस शीर्षक को ध्यान में रखते हुए लगभग 150–200 शब्दों में एक कहानी लिखिए।
- प्रश्न 3. नेताजी सुभाषचंद्र के व्यक्तित्व और कृतित्व पर एक प्रोजेक्ट बनाइए।
- प्रश्न 4. 'बाल गोबिन भगत' पाठ में आषाढ़, भादो, माघ आदि का विक्रम संवत् कलेंडर के मासों के नाम आए हैं। यह कलेंडर किस माह से आरंभ होता है। हिंदी महिनों की सूची तैयार कीजिए।

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## **SUBJECT – SANSKRIT**

### **ग्रीष्मकालीन गृहकार्यम्**

1. निम्नलिखित सर्वनाम-शब्दरूपाणि अपनी उत्तरपुस्तिका में स्पष्ट तथा सुन्दर हस्तलेखन में लिखें –  
तत् (तीनों लिंगों में), एतत् (तीनों लिंगों में), इदम् (तीनों लिंगों में)।  
अस्मद् तथा युष्मद्।
2. धातुरूपाणि-(परस्मैपदी) : पठ् , गम्-गच्छ् , वद् , भू-भव् , क्रीड् , नी , दृश् , अस् , कृ , पा-पिब्  
धातुओं को – लट्लकार , लृट्लकार , लोट्लकार , लंगलकार तथा विधिलिङलकार में लिखिए।  
(आत्मनेपदी) : लभ् तथा सेव् धातुओं को लट् तथा लृट्लकार में लिखिए।  
(कंठस्थ/याद कर के संस्कृत की उत्तरपुस्तिका में सुंदर ढंग से लिखिए।)
3. “जी-20” समूह में आने वाले सभी देशों के नाम लिखें तथा इनमें से किन-किन देशों में संस्कृत भाषा का प्रचलन है उनसे संबंधित चित्र एवं विवरण पर आधारित प्रयोजना (Project) A4 शीट पर तैयार करें।

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## **SUBJECT – MATHEMATICS**

### **General Instructions :**

- Holiday Assignment consists of Multiple Choice questions, Assertion and Reasoning questions , Case based questions and solve the following questions.
- All the work to be done in A4 sized ruled sheets which are to be arranged in a stick file.
- All the best! Stay Home, Stay Safe!

### **Multiple Choice Questions**

- Q.1 If  $x - 1$  is a factor of the polynomial  $p(x) = x^3 + ax^2 + 2b$  and  $a + b = 4$ , then  
(a)  $a = 5$ ,  $b = -1$       (b)  $a = 9$ ,  $b = -5$       (c)  $a = 7$ ,  $b = -3$       (d)  $a = 3$ ,  $b = 1$
- Q.2 The zeroes of the polynomial  $x^2 - 3x - m(m + 3)$  are  
(a)  $m, m + 3$       (b)  $-m, m + 3$       (c)  $m, -(m + 3)$       (d)  $-m, -(m + 3)$
- Q.3 The zeroes of the quadratic polynomial  $x^2 + 99x + 127$  are:  
(a) both positive      (b) both negative  
(c) one positive and one negative      (d) both equal
- Q.4 1245 is a factor of the numbers  $p$  and  $q$ . Which of the following will always has 1245 as a factor?  
(i)  $p + q$   
(ii)  $p \times q$   
(iii)  $p \div q$   
(a) Only (ii)      (b) only (i) and (ii)      (iii) only (iii)      (iv) all – (i), (ii) and (iii)
- Q.5 If two positive integers  $a$  and  $b$  are written as  $a = x^3y^2$  and  $b = xy^3$ ;  $x, y$  are prime numbers, then HCF ( $a, b$ ) is :  
(a)  $xy$       (b)  $xy^2$       (c)  $x^3y^3$       (d)  $x^2y^2$
- Q.6 The product of a non-zero rational and an irrational number is:  
(a) always irrational      (b) always rational      (c) rational or irrational      (d) one
- Q.7 What is the value of  $k$  such that the following pair of equations have infinitely many solutions?  
$$\begin{aligned} x - 2y &= 3, \\ -3x + ky &= -9 \end{aligned}$$
  
(a) (-6)      (b) -3      (c) 3      (d) 6
- Q.8 Two lines are given to be parallel. The equation of one of the lines is  $3x - 2y = 5$ . The equation of the second line can be  
(a)  $9x + 8y = 7$       (b)  $-12x - 8y = 7$       (c)  $-12x + 8y = 7$       (d)  $12x + 8y = 7$
- Q.9 For an event  $E$ ,  $P(E) + P(\bar{E}) = x$ , then the value of  $x^3 - 3$  is  
(a) -2      (b) 2      (c) 1      (d) -1
- Q.10 A dice is rolled twice. The probability that 5 will not come up either time is  
(a)  $\frac{11}{36}$       (b)  $\frac{1}{3}$       (c)  $\frac{13}{36}$       (d)  $\frac{25}{36}$

### Assertion Reasoning Questions

**Direction of questions :** In the following questions, A statement of Assertion (A) is followed by a statement of Reason (R).

- (A) Both (A) and (R) are true and (R) is the correct explanation of (A).
- (B) Both (A) and (R) true but (R) is NOT the correct explanation of (A).
- (C) (A) is true but (R) is false.
- (D) (A) is false and (R) is true.

**Q.11 Assertion (A) :** If the pair of linear equation  $3x + y = 3$  and  $6x + ky = 8$  does not have a solution, then the value of  $k = 2$ .

**Reason (R) :** If the pair of linear equations  $x + y - 4 = 0$  and  $2x + ky = 3$  does not have a solution, then the value of  $k = 2$ .

**Q.12 Assertion (A) :** If HCF of 510 and 92 is 2, then the LCM of 510 and 92 is 32460.

**Reason (R) :** As  $\text{HCF}(a, b) \times \text{LCM}(a, b) = a \times b$

**Q.13 Assertion (A) :** A bag contains slips numbered from 1 to 100. If Fatima chooses a slip at random from the bag, it will either be an odd number or an even number. Since this situation has only two possible outcomes, the probability of each is  $\frac{1}{2}$ .

**Reason (R) :** When we toss a coin, there are two possible outcomes : head or tail. Therefore, the probability of each outcome is  $\frac{1}{2}$ .

**Q.14 Assertion (A) :** If  $\text{HCF}(336, 54) = 9$ , then  $\text{LCM}(336, 54) = 2016$ .

**Reason (R) :** The sum of exponents of prime factors in the prime factorization of 196 is 4.

**Q.15 Assertion (A) :** For all real values of  $c$ , the pair of equations  $x - 2y = 8$  and  $5x - 10y = c$  have a unique solution.

**Reason (R) :** Two lines  $a_1x + b_1y + c_1 = 0$  and  $a_2x + b_2y + c_2 = 0$  are given to be parallel, then  $\frac{a_1}{a_2} = \frac{b_1}{b_2} \neq \frac{c_1}{c_2}$ .

**Q.16 Assertion (A) :**  $(7 \times 13 \times 11) + 11$  and  $(7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1) + 3$  have exactly composite numbers.

**Reason (R) :**  $(3 \times 12 \times 101) + 4$  is not a composite number.

**Q.17 Assertion (A) :** If  $P(F) = 0.20$ , then the probability of 'not E' is 0.80.

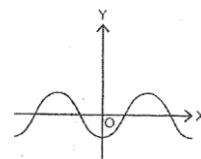
**Reason (R) :** If two dice are thrown together, then the probability of getting a doublet is  $\frac{5}{6}$ .



**Q.18 Assertion (A) :** If both zeros of the quadratic polynomial  $x^2 - 2kx + 2$  are equal in magnitude but opposite in sign then value of  $k$  is  $\frac{1}{2}$ .

**Reason (R) :** Sum of zeros of a quadratic polynomial  $ax^2 + bx + c$  is  $-\frac{b}{a}$ .

**Q.19 Assertion (A)** The graph  $y = f(x)$  is shown in figure, for the polynomial  $f(x)$ . The number of zeros of  $f(x)$  is 4.



**Reason (R) :** The number of zero of the polynomial  $f(x)$  is the number of point of which  $f(x)$  cuts or touches the axes.

**Q.20 Assertion (A) :** The sum and product of the zeros of a quadratic polynomial are  $-\frac{1}{4}$  and  $\frac{1}{4}$  respectively. Then the quadratic polynomial is  $4x^2 + x + 1$ .

**Reason (R) :** The quadratic polynomial whose sum and product of zeros are given is  $x^2 - (\text{sum of zeros}) \cdot x + \text{product of zeros}$ .

**Solve the following :**

**Q.21** Find the value of  $k$  such that the polynomial  $x^2 - (k + 6)x + 2(2k - 1)$  has sum of its zeroes equal to half of their product.

**Q.22** Show that  $\frac{1}{2}$  and  $-\frac{3}{2}$  are the zeroes of the polynomial  $4x^2 + 4x - 3$  and verify the relationship between zeroes and coefficients of the polynomial.

**Q.23** Quadratic polynomial  $2x^2 - 3x + 1$  has zeroes as  $\alpha$  and  $\beta$ . Now form a quadratic polynomial whose zeroes are  $3\alpha$  and  $3\beta$ .

**Q.24** Determine graphically the coordinates of the vertices of triangle, the equations of whose sides are given by  $2y - x = 8$ ,  $5y - x = 14$  and  $y - 2x = 1$ .

**Q.25** For what values of  $m$  and  $n$  the following system of linear equations had infinitely many solutions.

$$3x + 4y = 12$$

$$\text{and } (m + n)x + 2(m - n)y = 5m - 1$$

**Q.26** For what value of  $k$ , the pair of linear equations  $x + y - 4 = 0$  and  $2x + ky = 3$  does not have a solution.

**Q.27** What is the probability that a randomly taken leap year has not 53 Sundays?

**Q.28** A game consists of tossing a coin 3 times and noting the outcome each time, if getting the same result in all the tosses is a success, find the probability of losing the game.

**Q.29** The King, Queen and Jack of clubs are removed from a pack of 52 cards and then the remaining cards are well shuffled. A card is selected from the remaining cards. Find the probability of getting a card. (i) of spade (ii) of black King (iii) of club (iv) of Jacks

- Q.30 Three unbiased coins are tossed together. Find the probability of getting.  
(i) all heads (ii) exactly two heads (iii) exactly one head (iv) at least two heads

### Case Study Based Questions

- Q.31 Read the following text and answer the following questions.

A parabolic shape object used for receiving signals from a satellite, especially television signals. A satellite dish works in the same way as the reflector for a torch or car headlights. A signal is produced or reflected from a focal point. A parabola is the graph that results from  $p(x) = ax^2 + bx + c$ .



If the values of  $a$ ,  $b$  and  $c$  are 1, -3 and 2 respectively, then give answer of following questions:

Q.1 Find the zeroes of polynomial  $p(x)$ .

Q.2 If  $\alpha$  and  $\beta$  are zeroes of  $p(x) = x^2 - 3x + 2$ , then find the value of  $\alpha^2 + \beta^2 - \frac{1}{\alpha\beta}$ .

Q.3 If one zero of the quadratic polynomial  $x^2 + kx + 2$  is 1, then what is the value of  $k$ ?

- Q.32 Read the following and answer the following questions.

Educational organization means any organization within this state that is not organised for profit, the primary purpose of which is to educate and develop the capabilities of individuals through instruction by means of operating or contributing to the support of a school, academy, college or university.



A seminar is being conducted by an Educational Organisation, where the participants will be educators of different subjects. The number of participants in Hindi, English and Mathematics are 60, 84 and 108 respectively.

Q.1 In each room the same number of participants are to be seated and all of them being in the same subject, hence find the maximum number participants that can accommodated in each room.

Q.2 What is the minimum number of rooms required during the event?

Q.3 Find the product of HCF and LCM of 60, 84 and 108

- Q.33 Read the following text and answer the following questions.

A family room is an informal, all purpose room in a house. The family room is designed to be a place where family and guests gather for group recreation like talking reading, watching TV and other family activities. The length, breadth and height of a room are 8 m 25 cm, 6 m 75 cm and 4 m 50 cm.



Q.1 Determine the longest rod which can measure the three dimensions of the room exactly.

Q.2 Find the sum of exponents of the prime factors of LCM (825 and 675).

Q.3 Prove that : Product of LCM and HCF (825 and 675) = Product of 825 and 675.

Q.34 **Read the following text and answer the following questions on the basis of the same:**

John and Jivanti are playing with the marbles in the playground. They together have 45 marbles and John has 15 marbles more than Jivanti.



Q.1 How many marbles John had ?

Q.2 If 45 is replaced by 55 in the above case discussed in the question, then find the number of marbles Jivanti have.

Q.3 The given problem is based on which mathematical concept?

Q.35 **Read the following text and answer the following questions.**

Two customers Shyam and Ekta are visiting a particular shop in the same week (Tuesday to Saturday). Each is equally likely to visit the shop on any day as on another day.



Q.1 What are the total numbers of favourable outcomes?

Q.2 What is the probability that both will visit the shop on same day ?

Q.3 What are the total numbers of favourable outcomes if both will visit the shop on consecutive day?

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## **SUBJECT – SCIENCE**

### **General Instructions**

1. Do all the questions (Physics, Chemistry & Biology) in one notebook.
2. Write answers in a proper sequence.
3. Do neat & clean work.
4. Draw diagrams where ever required.

### **Section-A (Physics)**

#### **Objective Type Questions**

- Q.1 Focal length of plane mirror is –  
(a) infinity (b) zero (c) negative (d) none of these
- Q.2 Image formed by plane mirror is -  
(a) Real & Erect (b) Real & Inverted  
(c) Virtual & Erect (d) Virtual & Inverted
- Q.3 A concave mirror gives real, inverted and same size image if the object is placed.  
(a) at F (b) at infinity (c) At C (d) Beyond C
- Q.4 Focal length of a concave mirror is –  
(a) Negative (b) Positive  
(c) Depend on position of object (d) Depend on position of image
- Q.5 The mirror used by ENT specialist is –  
(a) Plane mirror (b) Concave mirror  
(c) Convex mirror (d) None of these

#### **Descriptive Questions**

- Q.1 List four characteristics of the images formed by plane mirrors.
- Q.2 What do you mean by refraction of light? Also write condition for no refraction.
- Q.3 Write steps of sign conventions of mirror.
- Q.4 An object of size 10 cm placed at a distance of 30 cm in front of converging mirror whose radius of curvature is 45 cm. Find the nature, position and size of image formed.
- Q.5 Draw proper ray diagram of convex lens in the following situation when object is placed at –  
(i)  $2F_1$  (ii) b/w  $F_1$  &  $2F_1$

### **Section-B (Chemistry)**

#### **Objective Type Questions**

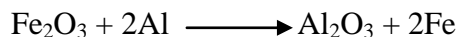
- Q.1 The formulae of ferric oxide is -  
(a) FeO (b) FeO<sub>2</sub> (c) Fe<sub>2</sub>O<sub>3</sub> (d) Fe<sub>2</sub>O
- Q.2 In the electrolysis of water, anode -  
(a) has positive charge  
(b) has negative charge  
(c) is connected to negative terminal of battery

(d) none of these is correct

Q.3 The removal of hydrogen from a substance in a redox reaction is known as –  
(a) Oxidation (b) Reduction (c) Dehydration (d) None of these

Q.4 Which of the following metals fails to evolve hydrogen gas with dilute HCl?  
(a) Zn (b) Fe (c) Al (d) Cu

Q.5 Ferric oxide react with Aluminium according to the following equation.



Which of the following substances is oxidised in the above reaction?

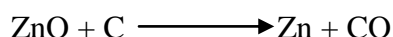
(a)  $\text{Al}_2\text{O}_3$  (b)  $\text{Fe}_2\text{O}_3$  (c) Al (d) Fe

### **Descriptive Questions**

Q.1 (a) What is observed when a solution of potassium iodide is added to a solution of lead nitrate taken in a test tube?  
(b) What type of reaction is this?  
(c) Write a balanced equation to represent the above reaction.

Q.2 A green colored hydrated metallic salt on heating loses its water of crystallization molecules and gives a suffocating smell. Identify the salt and write the chemical equation.

Q.3 Identify the oxidizing and reducing agent in the following reaction :



Q.4 Why do we store silver chloride in a dark coloured bottle?

Q.5 Balance the following chemical equations :

(a)  $\text{Fe}_2\text{O}_3 + \text{CO} \longrightarrow \text{Fe} + \text{CO}_2$   
(b)  $\text{H}_2\text{S} + \text{O}_2 \longrightarrow \text{S} + \text{H}_2\text{O}$   
(c)  $\text{Fe} + \text{H}_2\text{O} \longrightarrow \text{Fe}_3\text{O}_4 + \text{H}_2$

### **Section – C (Biology)**

#### **Objective Type Questions**

Q.1 Which of the following chemical reactions is incorrect ?

(a) Glucose  $\xrightarrow[\text{in mitochondria}]{\text{Oxygen (Kreb's Cycle)}}$   $6\text{CO}_2 + 6\text{H}_2\text{O} + 38 \text{ ATP}$ .

(b) Glucose  $\xrightarrow[\text{in yeast}]{\text{in absence of oxygen}}$   $2 \text{ Lactic acid} + 2 \text{ ATP}$ .

(c) Glucose  $\xrightarrow[\text{in yeast}]{\text{in absence of oxygen}}$   $2 \text{ C}_2\text{H}_5\text{OH} + 2\text{CO}_2 + 2 \text{ ATP}$ .

(d) Glucose  $\xrightarrow[\text{Muscle tissue in animals}]{\text{in absence of oxygen}}$   $2 \text{ Lactic acid} + 2 \text{ ATP}$ .

- Q.2 Oxygen liberated during photosynthesis comes from -  
(a) Water (b) Chlorophyll (c) Carbon dioxide (d) Glucose
- Q.3 Which is the first enzyme to mix with food in the digestive tract?  
(a) Pepsin (b) Cellulose (c) Amylase (d) Impulse
- Q.4 Amoeba throws out undigested food through –  
(a) Endocytosis (b) Phagosome formation  
(c) Enocytosis (d) Both (b) & (c)
- Q.5 Which of the following events in the mouth cavity will be affected if salivary amylase is lacking in the saliva?  
(a) Starch breaking down into sugars.  
(b) Proteins breaking down into amino acids.  
(c) Absorption of vitamins.  
(d) Fats breaking down to fatty acids and glycerol.

### **Descriptive Questions**

- Q.1 Differentiate between open circulatory system and closed circulatory system.
- Q.2 Write an activity to show action of salivary amylase on starch.
- Q.3 (a) What is the function of trachea?  
(b) Why do the walls of lungs do not collapse even when there is less air in it?
- Q.4 Explain the significance of peristaltic movement that occurs all along the gut during digestion.
- Q.5 (a) What do you mean by double circulation of blood?  
(b) Why is it necessary?

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## **SUBJECT – SOCIAL SCIENCE**

### **Instructions -**

1. The project should be submitted in a handmade file or folder.
2. It should be prepared/ made from eco-friendly products without incurring too much expenditure.
3. Refer CBSE website (syllabus- Social Science) for the layout of the project report.
4. Refer Lesson-5 (Economics) for the relevant details.

### **Social Science**

With reference to exploitation of consumers as per the Consumer Protection Act 1986, interview (telephonically or as per comfort) ten persons in your neighbourhood or relation and collect varied experiences in case they have been victims of any exploitation by shopkeepers.

Suggest the ways in which the consumers can be compensated along with relevant photographs if possible.

Conclude the report along with your findings in 100-150 words. You may systematically record your findings in the following areas:

Suggestive questions to be asked during interview are:

- i) Name of the person.
- ii) When you buy some item, do you insist on a bill?
- iii) Do you keep the bill carefully?
- iv) Do you look for ISI mark, Agmark, expiry date, etc.?
- v) A shopkeeper tells you to buy a tooth brush, but you want to buy a tooth paste only from his shop. What do you do?
- vi) If you realize that you have been tricked by the shopkeeper, have you bothered to complain to him?
- vii) Do you bother taking next step if the shopkeeper is not accepting his/her fault?
- viii) Have you heard about Consumer forum?
- ix) Do you know that they are there to help you to get compensation?
- x) Have you been a victim of online fraud?

**OR**

### **‘Consumer Rights in India’**

**Make a project report on the given topic covering the following points:**

1. Who is a ‘Consumer’?
2. Malpractices in the market place.
3. Need for protecting the consumers.
4. Consumer movements in India.
5. Different ways to protect consumers.
6. Problems with the consumer movements.
7. Consumer Rights- All types
8. Learning to become well-informed consumer.

- Note:**
- i. Design a poster to aware consumers.
  - ii. Draw/ paste various safety marks.



**(NOTE- Project can be presented through File /Folder/Scrapbook etc. as well!)**

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## **SUBJECT – BANKING**

**Prepare a practical file on the following topic :**

- Different negotiable instruments and their characteristics.
- Different ways a cheque can be crossed and its implications.
- Types of loans granted by banks to their regular customers and rate of interest charged on various types of loans.

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## **SUJET : FRANÇAIS**

### **Le devoir de vacances d'été**

1. Écrivez une lettre à votre ami décrivant votre visite à bodhgaya pendant vos vacances d'été en 80 mots.
2. Mettez ces verbes au futur antérieur:
  - i. Quand la voiture (s'arrêter), la dame descendra de la voiture.
  - ii. Dès qu'il (acheter) les billets du concert, il téléphonera à son amie.
  - iii. Aussitôt que vous (recevoir) sa lettre, vous partirez
  - iv. Quand elle (écrire) les lettres, elle les portera à la poste
  - v. Quand le professeur (entrer) dans la classe, les élèves lui diront: <<Bonjour!>>.
  - vi. Quand vous (s'installer) dans ce fauteuil, vous boirez un verre de lait.
  - vii. Lorsque vous (aller) chez le médecin, il vous prescrira une ordonnance
  - viii. Quand je (prendre) mon petit déjeuner, j'irai au lycée
  - ix. Dès que nous (finir) nos devoirs, nous jouerons au football.
  - x. Lorsque les examens (se terminer), les élèves partiront en vacances.
3. Récrivez ces phrases à l'imparfait:
  - i. Elle chante bien.
  - ii. vous êtes malade.
  - iii. Ça sent bon
  - iv. Que dis-tu?
  - v. Il enregistre ces cassettes
  - vi. Nous étudions tous les jours.
  - vii. Vous riez sans cesse.
  - viii. Elle part en vacances.
  - ix. Il enregistre ces cassettes
  - x. Nous conduisons bien.
4. Complétez avec qui/que:
  - i. N'achète pas la chemise \_ est trop longue
  - ii. Le garçon achète le pantalon \_ il a essayé.
  - iii. Les enfants \_ jouent au tennis ne veulent pas rentrer.
  - iv. Le prof \_ m'enseigne s'appelle M. Lambert
  - v. Merci pour les cadeaux \_ tu m'as donnés.
  - vi. Le médecin \_ nous avons consulté est très connu.
  - vii. Nous n'avons jamais trouvé les colliers \_\_\_ ont été volés lan dernier.
  - viii. Elle fait toujours exactement ce \_ elle veut.
  - ix. Est-ce le gâteau \_ ta mère a préparé?
  - x. C'est un pauvre garçon \_ habite à la campagne et \_ a perdu ses parents.
5. Mettez ces verbes au futur antérieur ou au futur simple:
  - i. Aussitôt que le professeur (entrer )\_dans la classe, les élèves (se mettre) \_debout et le(saluer)\_\_\_.
  - ii. Quand elle (lire)\_ le roman, elle (raconter ) \_l'histoire à sa sœur.
  - iii. Lorsque le train (arriver) \_à la gare, les voyageurs y\_ \_(monter).
  - iv. Dès qu'Alice (renter)\_ du marché, elle (essayer)\_ sa nouvelle robe.
  - v. Quand Marie (s'asseoir)\_à la table, Pierre lui (offrir)\_ des fleurs.

## **SUBJECT – ARTIFICIAL INTELLIGENCE**

**Create a presentation on following topics:**

The presentation must include 15-20 slides.

- (a) A. I. and its application
- (b) Big Data and Data Science
- (c) Computer vision and its application
- (d) A.I. project cycle
- (e) NLP and its use with Python

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## SUBJECT – INFORMATION TECHNOLOGY

1) Design a template to award prizes for academic results, your template should have the followings :

- ⊕ School logo
- ⊕ Text(certificate message)
- ⊕ Background Colour
- ⊕ Page Border
- ⊕ Space for Class teacher and Principal signature

2) Write a small report on **Functions of WiFi** On the basis of the followings:

- ♣ Name the ISP at your home
- ♣ How WiFi works at your home
- ♣ Speed of Internet by using WiFi

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