

CLASS XII  
HOLIDAY ASSIGNMENT 2020-21  
**Subject: BUSINESS STUDIES**

**CH 1 NATURE AND SIGNIFICANCE OF MANAGEMENT CASE STUDIES**

**Q.1** Ashutosh Goenka was working in 'Axe Ltd.', a company manufacturing air purifiers. He found that the profits has started declining from the last six months. Profit has an implication for the survival of the firm, so he analysed the business environment to find out the reasons for this decline.

- 1. Identify the level of management at which Ashutosh Goenka was working.**
- 2. State three other functions being performed by Ashutosh Goenka.**

**Q.2** Mega Ltd. manufactured water-heaters. In the first year of its operations, the revenue earned by the company was just sufficient to meet its costs. To increase the revenue, the company analysed the reasons behind the less revenues. After analysis, the company decided:

- 1. to reduce the labour costs by shifting the manufacturing unit to a backward area where labour was available at a very low rate.**
- 2. to start manufacturing solar water-heaters and reduce the production of electric water-heaters slowly.**

**This will not only help in covering the risks but also help in meeting other objectives.**

- 1. Identify and explain the objectives of management discussed above.**
- 2. State any two values which the company wanted to communicate to society.**

**Q.3** Kartik joins a garment factory as a plant supervisor in Lucknow. He observes that the output of some workers is very low as compared to the standards set for their performance. On analyzing the reasons for the same, he finds out that a lot of time of the workers is wasted in getting the requisite materials issued from the store. Whereas on asking, the store keeper complains that there is no harmony in the working of the production department as a whole. Everyday the workers approach him at the last minute to procure different kinds of threads, laces, mirrors, buttons etc. If it is not available in the store then he has to place an order with the purchase officer. As a result, a lot of time of the workers is wasted. So, in order to integrate the various production activities, henceforth, Kartik ensures, that the store keeper is informed well three days in advance about the requisite material. Consequently, the store

keeper is able to keep the materials ready for the workers every morning in accordance with their requirements.

In context of the above case:

1. Identify and explain the quality of management that Kartik has introduced in the working of the production department as a corrective measure to control the output of the workers.
2. State briefly any two points highlighting the importance of quality of management identified in part (a).

**Q.4** Sooraj works as a salesman in a company selling pet accessories and food. He has been given a target of selling 1200 units of the food packets in a month by offering a maximum of 10% discount to his customers. In order to meet his monthly sales target, on the last two days of the month, he offers 15% discount to his customers.

In the context of the above case: Is Sooraj effective in his work? Explain by giving a suitable reason in support of your answer.

**Q.5** Rishitosh Mukerjee has recently joined AMV Ltd, a company manufacturing refrigerators. He found that his department was under-staffed and other departments were not cooperating with his department for smooth functioning of the organisation. Therefore, he ensured that his department has the required number of employees and its cooperation with other departments is improved.

1. Identify the level at which Rishitosh Mukerjee was working.
2. Also, state three more functions required to be performed by Rishitosh Mukerjee at this level.

## **Ch 2 PRINCIPLES OF MANAGEMENT CASE STUDIES**

1. Aapka Vidyalaya' believes in the holistic development of students and encourages team building through a mix of curricular, co-curricular and sports activities. On its Founder's Day, a stage performance had to be put up. A committee of ten prefects was constituted to plan different aspects of the function. They all decided to use recycled paper for decoration. There was a spirit of unity and harmony and all the members supported each other. With mutual trust and a sense of belonging, the programme was systematically planned and executed. Kartik, one of the prefects, realised that the group had unknowingly applied one of the principles of management while planning and executing the programme. He was so inspired

by the success of this function that he asked his father to apply the same principle in his business. His father replied that he was already using this principle.

1. Identify the principle of management applied for the success of the programme.

2.State any two features of management highlighted in the above paragraph

2.Telco Ltd. manufactures files and folders from old clothes to discourage the use of plastic files and folders. For this, they employ people from nearby villages where very less job opportunities are available. An employee, Harish, designed a plan for cost reduction but it was not welcomed by the production manager. Another employee gave some suggestions for improvements in design, but it also was not appreciated by the production manager.

1. State the principle of management that is violated in the above paragraph.

Identify any two values that the company wants to communicate to the society

3.ABC Ltd. is engaged in producing electricity from domestic garbage. There is almost equal division of work and responsibilities between workers and the management. The management even takes workers into confidence before taking important decisions. All the workers are satisfied as the behaviour of the management is very good.

1. State the principle of management described in the above paragraph.

2.Identify any two values which the company wants to communicate to society

4. Nikita and Salman completed their MBA and started working in a multinational company at the same level. Both of them worked hard and were happy with their employer. Salman had the habit of back-biting and wrong reporting about his colleagues to impress his boss. All the employees in the organisation knew about it. At the time of performance appraisal, the performance of Nikita was judged to be better than Salman. Even then their boss, Mohammed Sharif, decided to promote Salman stating that being a female, Nikita would not be able to handle the complications of a higher post.

1. Identify and explain the principle of management which was not followed by this, multinational company.

Identify the values which are being ignored quoting the lines from the above paragraph

5. Neeraj is selected for the post of software developer in an IT Company. On the first day of his joining Mehul, his project manager tells Neeraj that during the course of his work he will come across many such opportunities which may tempt him to misuse his powers for individual or family's benefit at the cost of larger general interest of the company. In such

situations, he should rather exhibit exemplary behaviour as it will raise his stature in the eyes of the company. Also, for interacting with anyone in the company on official matters, he should adopt the formal chain of authority and communication.

In context of the above case:

1. Identify and explain the various principles of management that Mehul is advising Neeraj to follow while doing his job.
2. List any two values that Mehul wants to communicate to Neeraj.

## **Ch 11 MARKETING CASE STUDIES**

1. Ginika, Tanish and Rohit were friends from college days and now they are doing different kinds of business. They regularly meet and discuss their business ideas and exchange notes on customer satisfaction, marketing efforts, product designing, selling techniques, social concerns etc.

In one of such meetings, Ginika drew the attention of Tanish and Rohit towards the exploitation of consumers. She told that most of the sellers were exploiting the consumers in various ways' and were not paying attention towards the social, ethical and ecological aspects of marketing, whereas she was not doing so.

Tanish told that they were under pressure to satisfy the consumers, but stated that the consumers would not buy or not buy enough unless they were adequately convinced and motivated for the same.

Rohit stressed that a company cannot achieve its objectives without understanding the needs of the customers. It was the duty of the businessmen to keep consumer satisfaction in mind because business is run by the resources made available to them by the society. He further stated that he himself was taking into consideration the needs of the customers.

Identify the various types of thinking that guided Ginika, Tanish and Rohit in the marketing efforts of their business. Also, state one more feature of the various types of thinking identified that is not given in the above para

2. Coconut Joy Ltd." are the manufacturer of vegetarian frozen dessert food products made with coconut milk, agave syrup and other certified ingredients. The founders of the company Lovely and Lalita originally developed this treat to meet their own needs but found that their friends and families around were also keen to use the products. It was not only the vegetarians, but also those who could not get enough environment friendly sustainable food, that appreciated the product. It did not take long for Lovely and Lalita to recognise the potential of their little venture. In the beginning they started from their home with the product

being sold through local family parties that enable guests to personally meet the owner. This helped to establish strong connections with the prospective buyers and the company could put the product on shelves of natural food store. The company used\* all marketing activities to grow and expand. The company began sponsoring booths at festivals, drawing attention to its newly created vegetarian products. It also disseminated relevant information to media about its products and the people who helped in building the company's reputation. Lovely and Lalita were invited for an interview with one of the leading TV channels in which they talked about their environment friendly vegetarian products. To show its gratitude to customers, local business and government officials who supported the company from the beginning, "Coconut Joy Ltd." hosted a gala event and involved all of them to raise funds for a few local NGO's. The company also asked its fans and customers to send songs and poetry conveying their impression about "Coconut 'Joy's Ltd." products.

1. Identify and explain the communication tool used by "Coconut Joy Ltd". .

Briefly explain the role of the tool identified in (1) above

3.Shreemaya Hotel in Indore was facing a problem of low demand for its rooms due to off-season. The Managing Director (MD) of the hotel, Mrs. Sakina was very worried. She called upon the marketing Manager, Mr. Kapoor for his advice. He suggested that the hotel should announce an offer of '3 Days and 2 nights hotel stay package' with free breakfast and one-day religious visit to Omkareshwar and Mahakaleshwar Temples. The MD liked the suggestion very much. Identify the promotional tool which can be used by the hotel through which large number of prospective pilgrimage tourists all over the country and abroad can be reached, informed and persuaded to use the incentive.

4. Maruti Vega Ltd. entered into the market with coloured televisions and have now introduced products like audio systems, air-conditioners, washing machines, etc. The company is not only offering the products but also handling complaints and offering after-sales services. Identify the element of marketing mix discussed here. (CBSE, OD 2015)

5.Crackers Ltd., a fire-cracker manufacturing company launched some new products on eve of Diwali which attracted many buyers. To meet the increased demand, the company employed children from nearby villages. Although the product was in great demand, appropriate safety warnings for use were not mentioned on the packets that led to many accidents.

1. Identify and explain the important product-related decision that was not taken into consideration by the company.

2. Also, identify any two values which were violated by the company

II. Complete the project work on 'Marketing' .

## **Subject: ENTREPRENEURSHIP**

**Following are the CASE STUDIES taken from CBSE question papers. Solve them**

**1. Ragini, a career oriented mother, hardly got time to cook for the family. She decided to hire a cook but was not able to find one who could cook according to the taste of the family. Her sister Abha sensed that this problem is not only faced by her sister but also by many working women. She launched a website namely 'Dial for food' where housewives who had culinary ability and were interested to cook could drop in their contact details and households where specific cuisine was required could leave in their requirements so that through the website home cooked food could be delivered. The website mainly helped in identifying the requirement and fulfilled it through providing delivery service. Identify any two uses of problem identification to Abha.**

**2. Rishabh lives in Vijay Nagar, a residential colony near Delhi University (DU). Being close to DU this area is a hub for students who come from outside Delhi to study here as they find good accommodation with Tiffin service readily available. Rishabh has a vacant residential building there. He found it to be an attractive economic idea to start a Paying Guest House. He knows that he has a good market because of the location of his building. State the other requirement he has to ensure before opting for this opportunity.**

**3. Sheila has a degree in robotics and she loves to design products. She started her career in 'Robotech' which uses high end technology in all their products. Her job profile included travelling a lot also. Whenever she travelled she noticed that disabled people have difficulty in maneuvering their wheelchair from one place to**

**another because in some places ramp is not provided and there is no way they can walk up the stairs. She came up with an idea of a wheelchair which can be used on stairs easily. She decided to quit her job and start her own company. She realized that her idea was the first stage in the process of innovation. Identify the concept and explain the steps in its process.**

**4.Sensitivity to environmental factors is crucial for an entrepreneur. With an appropriate example explain the relevance of the statement.**

## **Ch 2**

**5.Kapish an unemployed graduate got training for automobile repairing and allied services under PMKVY (Pradhan Mantri Kaushal Vikas Yojana) for skill development. He is planning to start a digital workshop for which he needs 25 lacs. Though through MUDRA (Micro Units Development and Refinance Agency) he is able to get a loan of 10 lacs but still he is falling short of 15 lacs. He wants to pitch in his idea to potential investors through his business plan. Explain the different formats in which he can present his business plan for his start-up.**

**6."Human life is built around works". Identify the form of Business Organisation being talked about in the following sentences:- (a)"The one-man control is the best in the world if that man is big enough to manage everything." (b)"Two heads being better than one." (c)"Self-help as well as mutual help system." (d)The birth of this legal person is by law and can be put to death by law only**

**7.Mohan and Radha want to start a shop to sell Rajasthani Sweets. They did not know how to enter into the agreement. Therefore, they approached a Chartered Accountant who advised them to prepare a document which may stipulate the terms and consolidation of the agreement. Name the document about which the chartered accountant advised Mohan and Radha. Also state any four important items they should include in the agreement besides the name, nature and place of business.**

**8.Karan finished his graduation from Polytechnic college in the year 2018. He had specialised in repairing of electronic goods. After few months of his graduation, he met his uncle who has a small factory manufacturing electronic circuits used in Television. His uncle informed Karan that he could no longer run the unit so Karan decided to take over the factory. His uncle had two workers. Karan was able to get a huge order of supplying 10,000 units of electronic circuits every month from a popular TV manufacturing company in India. He knew that to meet the orders timely he has to employ more people. In order to do so he decided to formulate Manpower planning. Describe the factors that Karan has to keep in mind while formulating manpower plan.**

**9.Following are the balances of current assets and current liabilities of X Ltd., Cash – Rs.20,000; outstanding expenses- Rs.5000; Creditors- Rs.15,000; Debtors- Rs.50,000; Short term loans- Rs.4000; Short term investments-Rs.30,000; Long term loans- Rs.1,00,000; Stock-Rs.70,000. Calculate the gross and net working capital of X Ltd.,**

**10.Pink & Blue Stores sells 1000 insulated water bottles annually. Demand for the product is uniform. Purchase Cost per bottle is Rs.50. Holding cost per annum is 10% of purchase cost. Ordering cost is Rs. 100 per order. Calculate the Economic Ordering Quantity for bottles**

**11.What will be the effect on Production Plan in the following situations: a. When there is no manufacturing b. When there is partial manufacturing c. When there is complete manufacturing**

**12.Iqbal runs an electrical shop in Lucknow. The most sold product in his shop is ceiling fans. The annual demand for fans is 32,000. The annual holding cost per unit is Rs.192. The cost incurred in placing an order is Rs.3000. Calculate the Economic Ordering Quantity of Ceiling fAN.**

**13.Complete the project market survey and business plan.**

## **SUBJECT: PSYCHOLOGY**

Write a detailed case profile on any individual suffering from a mental disorder along with the brief introduction about the disorder.

## **Subject: English Core**

1. *"They said no phone inside the school, Today school is inside the "Phone".*

Write a article on it with 180-200 words.

2. Our language is a part of our culture and we are proud of it. Describe how regretful M. Hamel and the Village elders are for having neglected their native language.
3. Explain the lesson "Lost Spring" is a realistic Portrayal of the lives of the Street Children.
4. "India's Pandemic Lockdown turns into a Human Tragedy."

Write your views on it (speech writing)

5. You are Arun a social activist. Design a poster spreading awareness for Covid-19.
6. "Social injustice and class inequalities is main theme of poem," "The Elementary Classroom in Slum" Explain it.
7. Make a case study (in format of report writing) on managing your family relationship during Covid-19.
8. In Deepwater "William Douglas" with his determination overcame his fear. Have you ever faced same situation in your life and tried to overcome your phobia? If yes, then describe and if no then what would you do if you have been in place of Douglas?

**Subject: English Elective**

1. Read the Drama "Chandalika" by Ravindranath Tagore write the theme from your understanding. Make a list of words and phrases that bring out the characteristics of Prakriti, Ananda, Prakriti's Mother.
2. Read the long reading text "The Tiger for Malgudi" and Write Critical Appreciation by Explaining the Main Plot.
3. The play "Broken Images" by Girish Karnad takes up a debate that has grown steadily since 1947 the politics of language in Indian literary cultural, specifically in relation to modern Indian languages and English, Discuss.
4. Throw light upon the main characters of play "Broken Images."
5. Make a case study on Managing your family relationship during Covid-19 (lockdown).

## **Subject:Painting**

### **1. Work for Sketch file -**

One sketch every day in your sketch file from the given topics:

- (a) Object Drawing (daily life objects)
- (b) Parts of face (eyes, ears nose, lips)
- (c) Human Anatomy (Simple working figure)
- (d) Creative Art

**Keep doing date wise in your sketch file**

### **2. Composition (A2 Size sheet)**

Theme- (a) **Nature** (animal, birds, flowers, tree, landscape) – 5SHEETS

(b) **Zentangle Art/ Mandala art**

### **3. Still Life (A2 Size Sheets)**

(Three objects with two drapery)

- (a) Hatching
- (b) Pencil Shading
- (c) Stippling art

### **4. Creative Art**

(a) Theme- “Yoga” (A2size sheet)

(b) **Decorate one file for portfolio ( A1size)**

**Subject: Computer Science**

1. Write a python program to convert temperature in degree Celsius to Fahrenheit.  
 $T(^{\circ}F) = T(^{\circ}C) * 9/5 + 32$
2. WAP to calculate the simple interest.
3. WAP to enter 2 integers and perform all arithmetic operation on them.
4. WAP to find average of 3 numbers.
5. WAP to check whether the number is positive, negative or 0.
6. WAP to check whether the number is even or odd.
7. WAP to display the appropriate message as per the colour of signal at the road crossing.
8. WAP to create a simple calculator performing only 4 basic operations.
9. WAP to print even numbers in a given sequence using for loop.
10. WAP to print the table of any number.
11. WAP to print the pattern for a number input by the user.  
1  
1 2  
1 2 3  
1 2 3 4  
1 2 3 4 5
12. WAP to print the factorial of a given number.
13. WAP using a user-defined function that displays sum of first n natural numbers, where n is passed as an argument.
14. WAP using a user-defined function that accepts the first name and last name as arguments, concatenate them to get fullname and display the output.
15. WAP using a user-defined function that calculate the area and perimeter of rectangle.
16. WAP using a user-defined function that count the number of times a character (passed as argument) occurs in the given string.
17. WAP to input a string from the user and print it in reverse order.
18. WAP to check whether the string is palindrome or not. (A string is called palindrome if it reads same backwards as forward. For eg. MADAM, KANAK)

19. WAP that takes sentence as an input parameter where each word in the sentence is separated by a space. The function should replace each blank with a '\*' and then return modified sentence
20. WAP to print the following series
- 0,1,1,2,3,5,8,13\_\_\_\_\_n.
  - 0,4,9,16,25\_\_\_\_\_n.
  - 3,6,9,12,15,18\_\_\_\_\_n.

(WAP MEANS WRITE A PROGRAM)

### **Subject:Physical Education**

\* Basketball, Football, Kabaddi, Kho-Kho, Volleyball, Handball, Hockey, Cricket, Bocce, & Unified Basketball [ CWSN ( Children With Special Needs- Divyang)]

\*\*Record file shall include:

Practical -1. Fitness test administration for all items.

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

Practical -3. Procedure for administering Senior Citizen Fitness Test for 5 elderly family members.

Practical -4. Any one game of your choice out of the list above . Labeled diagram of field & equipment. ( Rules, Terminologies & Skills).

**Subject: Mathematics**

1. Let  $f : \mathbb{R} \rightarrow \mathbb{R}$  be given by  $f(x) = \tan x$ . Then  $f^{-1}(1)$  is
  - (a)  $\frac{\pi}{4}$
  - (b)  $\left\{n\pi + \frac{\pi}{4} : n \in \mathbb{Z}\right\}$
  - (c) Does not exist
  - (d) None of these
  
2. Let  $f : \mathbb{R} \rightarrow \mathbb{R}$  be defined by  $f(x) = x^2 + 1$ . Then, pre-images of 17 and -3, respectively, are
  - (a)  $\emptyset, \{4, -4\}$
  - (b)  $\{3, -3\}, \emptyset$
  - (c)  $\{4, -4\}, \emptyset$
  - (d)  $\{4, -4\}, \{2, -2\}$
  
3. Let  $f : [2, \infty) \rightarrow \mathbb{R}$  be the function defined by  $f(x) = x^2 - 4x + 5$ , Then the range of  $f$  is
  - (a)  $\mathbb{R}$
  - (b)  $[1, \infty)$
  - (c)  $[4, \infty)$
  - (d)  $[5, \infty)$
  
4. Let the  $R$  be a relation in the set  $\mathbb{N}$  of all natural numbers Given by
$$R = \{(a, b) : a = b - 2, b > 6\}$$
Then, choose the correct answer:
  - (a)  $(6, 8) \in R$
  - (b)  $(2, 4) \in R$
  - (c)  $(3, 8) \in R$
  - (d)  $(8, 7) \in R$
  
5. Let  $A = \{a, b, c, d\}$ . Then a relation  $R = \{(a, b), (b, a), (a, a)\}$  On  $A$  is
  - (a) symmetric only
  - (b) Transitive only
  - (c) Symmetric and transitive only
  - (d) Reflexive and transitive only

6. Let  $R$  be a relation on  $A = \{a, b, c\}$  such that  
 $R = \{(a, a), (b, b), (c, c), (a, b)\}$ . Then  $R$  is

- (a) Identity relation
- (b) Reflexive
- (c) Symmetric
- (d) Anti-symmetric

7. Let  $R$  be the relation in the set  $\{1, 2, 3, 4\}$  given by  
 $R = \{(1, 2), (2, 2), (1, 1), (4, 4), (1, 3), (3, 3), (3, 2)\}$ . Then

- (a)  $R$  is reflexive and symmetric but not transitive
- (b)  $R$  is reflexive and transitive but not symmetric
- (c)  $R$  is symmetric and transitive but not reflexive
- (d)  $R$  is an equivalence relation

8. Let  $f: \mathbb{R} \rightarrow \mathbb{R}$  be defined by  $f(x) = x^8$ . Then

- (a)  $f$  is one –one onto
- (b)  $f$  is one –one but not onto
- (c)  $f$  is one –one into
- (d)  $f$  is neither one-one nor onto

9. Let  $f: \mathbb{N} \rightarrow \mathbb{N}$  given by  $f(1) = f(2) = 1$  and  $f(x) = x - 1$  for  $x > 2$ . Then

- (a)  $f$  is not one –one but onto
- (b)  $f$  is one –one and onto
- (c)  $f$  is neither one –one nor onto
- (d)  $f$  is many one but not onto

10. Let  $f: \mathbb{R} \rightarrow \mathbb{R}$  be defined by  $f(x) = 3x$ . Then

- (a)  $f$  is one-one onto
- (b)  $f$  is many one onto
- (c)  $f$  is one –one but not onto
- (d)  $f$  is neither one-one nor onto

11 . The value of  $\sin^{-1} \left( \cos \frac{\pi}{9} \right)$  is

(a)  $\frac{\pi}{9}$

(b)  $\frac{5\pi}{9}$

(c)  $\frac{-5\pi}{9}$

(d)  $\frac{7\pi}{18}$

12. The value of  $\cot (\sin^{-1} x)$  is

(a)  $\sqrt{\frac{1+x^2}{x}}$

(b)  $\frac{x}{\sqrt{1+x^2}}$

(c)  $\frac{1}{x}$

(d)  $\frac{\sqrt{1-x^2}}{x}$

13. The domain of  $\sin^{-1} 2x$  is

(a)  $[0,1]$

(c)  $\left[-\frac{1}{2}, \frac{1}{2}\right]$

(b)  $[-1,1]$

(d)  $[-2,2]$

14. If  $3\tan^{-1} x + \cot^{-1} x = \pi$ , then x equal to

(a) 0

(c) -1

(b) 1

(d)  $\frac{1}{2}$

15. The value of  $\cos^{-1} \left( -\frac{1}{2} \right) + \sin^{-1} \left( -\frac{\sqrt{3}}{2} \right)$  is

(a)  $\frac{\pi}{3}$

(c)  $\frac{2\pi}{3}$

(b) 0

(d)  $\frac{\pi}{6}$

16. The value of  $\cot^{-1} 3 + \cot^{-1} 2$  is

- (a)  $\frac{\pi}{3}$  (c)  $\frac{\pi}{4}$   
(b)  $\frac{\pi}{2}$  (d)  $\frac{\pi}{6}$

17. The value of  $\tan^{-1} \left(\frac{1}{3}\right) + \tan^{-1} \left(\frac{1}{5}\right) + \tan^{-1} \left(\frac{1}{7}\right) + \tan^{-1} \left(\frac{1}{8}\right)$  is

Equal

- (a)  $\pi$  (c)  $\frac{3\pi}{4}$   
(b)  $\frac{\pi}{4}$  (d)  $\frac{\pi}{6}$

18. Considering principal values, the number of solutions of

$$\tan^{-1} 2x + \tan^{-1} 3x = \frac{\pi}{4}$$

- (a) 2 (c) 1  
(b) 3 (d) 4

19. if  $4 \cos^{-1} x + \sin^{-1} x = \pi$ , then the value of x is

- (a)  $\frac{3}{2}$  (c)  $\frac{2}{\sqrt{3}}$   
(b)  $\frac{1}{\sqrt{2}}$  (d)  $\frac{\sqrt{3}}{2}$

20. If  $\tan^{-1}(\cot \theta) = 2\theta$ , then  $\theta$  is equal to

- (a)  $\frac{\pi}{3}$  (c)  $\frac{\pi}{4}$   
(b)  $\frac{\pi}{6}$  (d)  $-\frac{\pi}{3}$

## **PROJECT**

Project on history of Mathematicians: It may include history of Indian mathematicians such as Aryabhata, Brahmgupta, Varahamihir, Sridhara, Bhaskaracharay, Ramanujan etc., and history of foreign mathematicians such as Cantor, Pythagores, Thales, Euclid, Appollonius, Descartes, Fermat, Leibnitz, Euler, Fibonac, Gauss, Newton, etc.

### **ECONOMICS HOLIDAYS HOMEWORK**

1) Complete the project work according to the CBSE guidelines.

2) For guidelines of the project refer the following link:-

[https://1drv.ms/p/s!AgtW148ZQRwrgWtdQawcJ\\_18phS2](https://1drv.ms/p/s!AgtW148ZQRwrgWtdQawcJ_18phS2)

3). Practice numericals of National Income Accounting, from Sandeep Garg.

4) Revise the chapters completed in the class.

### **ACCOUNTANCY HOLIDAYS HOMEWORK**

1) Prepare comprehensive and specific projects according to CBSE guidelines

2) Revise the chapters covered in the class

3) Practice all the numericals of Ch-1 & 2 from T.S.Grewal