

**ST. KAREN'S SECONDARY SCHOOL**  
**Khagaul Road, Danapur, patna**  
**2020 – 2021**

**HOLIDAY HOMEWORK-PROJECT WORK-COPY WORK**

**CLASS – 12 - F**

**GENERAL INSTRUCTION**

**Copy Work**

- Write all the contents and assignments in serial i. e. Content 1 and then assignment 1, next content 2 then assignment 2 and so on... .
- Index of the copy has to be filled.
- Name of the chapter and the date has to be mentioned according to given in the content and assignment.
- Do the work neatly in the copy.
- Writing should be clear and legible.
- All the diagrams has to be drawn and labelled on the white sheet with the pencil.

**Project Work**

- Project has to be done on bio sheets and put in one single bio file only.
- Make a cover page mentioning the name, class, section, roll number, subject, and the name of the teacher.

**Example:-**

Name: Ankita Kumari  
Class/section: 9- G Roll number: 01  
Subject: Science  
Name of the teacher: Miss. Shalini Kumari

- Index with date, acknowledgement and bibliography should be there in the project.

**Holiday homework:-**

- All holiday homework has to be done in copy only.

**ENGLISH**

**English Summer Vacation Project**

**INSTRUCTIONS :**

- The following project should be prepared in A4 sized ruled sheets stapled on the left hand side & filed in one stick file.
- The word – limit should be strictly followed.
- The project should contain the following as per the sequence given below :
  - 1. *Creative Cover Page should include the Name, Class, Section, Roll No. of the students & the Subject.*
  - 2. *Second Sheet should contain the assignment questions.*
  - 3. *Third page onwards the students can write the ANSWER.*

**TOPIC**

Write an article on - "**SOCIO-ECONOMIC IMPACT OF COVID-19 PANDEMIC AND SIGNIFICANCE OF AWARENESS, SANITATION AND SELF-DISCIPLINE IN CONTROLLING IT**".

(250 – 300 words)

### English Summer Vacation Homework

#### INSTRUCTIONS :

- The following questions should be answered in English fair copy. Each question should be written on a new page and then answered properly.
- The word – limit should be strictly followed.

**Q.1.** The poem ‘**Keeping Quiet**’ leaves a message of universal brotherhood and peace. It urges people to stop all sorts of aggression including that towards environment and do a bit of introspection. How is the poem relevant to the present scenario of human existence ? (200 – 250 words)

**Q.2.** How can empathy be the best healer ? Answer this question with reference to present scenario and by taking hints from the lesson – ‘*The Enemy*’ in (200 – 250 words)

**NOTE :** FOR ONLINE STUDY MATERIAL VISIT –  
<http://ncert.nic.in/textbook/textbook.htm>

### ACCOUNTANCY

1. The partnership deed is silent on payment of salary to partners. Anita, a partner, claimed that, since she managed the business, she should get a monthly salary of Rs 10,000. Is she entitled for the salary? Give reason.
2. A, B and C decided that interest on capitals will be provided to each partner @ 5% per annum, but after one year C wants that no interest on capital is to be provided to any partner. State how ‘C’ can do this?
3. A and B are partners in a firm without a partnership deed. A is an active partner and claims a salary of Rs 18,000 per month. State with reasons whether the claim is valid or not.
4. Suresh and Ramesh are partners in a firm with capitals of ₹ 3,00,000 and ₹ 4,00,000 respectively. They do not have a partnership deed. Ramesh wants to share the profits in the ratio of capitals. State with reason whether the claim is valid.
5. R, S and T entered into a partnership for manufacturing and distributing educational CDs on 1st April, 2006. R looked after the business development, S content development and T financed the project. At the end of the year (31st March, 2007), R wanted a salary of ₹ 5,000 per month for the additional work he did. The other partners were not inclined to this. How would you reduce this within the ambit of the Indian Partnership Act, 1932?
6. R, S and T entered into a partnership for manufacturing and distributing educational CDs on 1st April, 2006. R looked after the business development, S content development and T financed the project. At the end of the year (31st March, 2007), R wanted a salary of ₹ 5,000 per month for the additional work he did. The other partners were not inclined to this. How would you reduce this within the ambit of the Indian Partnership Act, 1932?

Particulars	1.4.2017 (Rs.)	31.3.2018 (Rs.)
Stock of stationery	21,000	18,000
Creditors for stationery	11,000	23,000

Stationery purchased during the year ended 31<sup>st</sup> March 2018 was Rs.75,000. Also, present the relevant items in the Balance Sheet of the society as at 31<sup>st</sup> March 2018.

7. From the following information, calculate the amount of subscriptions to be redited to the income and expenditure account for the year 2007—08.

	AMT (Rs.)
Subscriptions received during the year	50,000
Subscriptions outstanding on 31st March, 2007	20,000
Subscriptions outstanding on 31st March, 2008	6,000
Subscriptions received in advance on 31st March, 2007	8,000
Subscriptions received in advance on 31st March, 2008	9,000
Subscriptions of Rs. 1,500 are still in arrears for the year 2006-07.	

8. Find out the cost of medicines consumed during 2015-16 from the following information

Particulars	Amt (Rs)
Payment for purchase of medicines	3,70,000
Creditors for medicines purchased	
On 1st April, 2015	25,000
On 31st March, 2016	17,000
Stock of medicines	
On 1st April, 2015	62,000
On 31st March, 2016	54,000
Advance suppliers of medicines	
On 1st April, 2015	11,500
On 31st March, 2016	18,200

9. From the following Receipts and Payments Accounts of Cricket Club and the additional information given, prepare the Income and Expenditure Account for the Year ending 31-12-2018 and Balance sheet as on that date.

**Receipts and Payments Account**  
**For the year ending**  
**31-12-2008**

To bal. b/d	Rs.		Rs.
-Cash	3520	By Maintenance	6820
-Bank	27380	By Crockery Purchased	2650
-Fixed Deposit @ 6%	30000	By Match Expenses	13240
To Subscription (including Rs. 6000 for 2017)	40000	By Salaries	11000
TO Entrance fees	2750	By Conveyance	820
To Donation	5010	By Upkeep of Lawns	4240
To Interest on Fixed Deposits	900	By postage stamps	1050
To Tournament Fund	20000	By Purchase Of cricket goods	9720
To Sale of Crockery (book value Rs. 1200)	2000	By Sundry expenses	2000
		By Investments	5700
		By Tournament Expenses	18800
		By balance c/d:	
		-Cash	2200
		-Bank	23320
		Fixed Deposits	30000
	<b>131560</b>		<b>131560</b>

**Additional Information:**

- i. Salary outstanding is Rs. 1000.
  - ii. Opening Balance of Stock of Postage and Stationery and Cricket gods is Rs. 750 and Rs. 3210 respectively. Closing stock of the same is Rs. 900 and Rs. 2800 respectively.
  - iii. Outstanding subscription for 2017 and 2018 is Rs. 6600 and Rs. 8000 respectively.
10. Receipt and Payment Account of Shankar Sports club is given below, for the year ended March 31, 2017

<b>Receipt and Payment Account for the year ending March 31, 2017</b>			
<b>Receipts</b>	<b>Amount Rs</b>	<b>Payments</b>	<b>Amount Rs</b>
Opening Cash in hand	2,600	Rent	18,000
Entrance fees	3,200	Wages	7,000
Donation for building	23,000	Billiard table	14,000
Locker rent	1,200	Furniture	10,000
Life membership fee	7,000	Interest	2,000
Profit from entertainment	3,000	Postage	1,000
Subscription	40,000	Salary	24,000
	.....	Cash in hand	4,000
	80,000		80,000

Prepare Income and Expenditure Account and Balance Sheet with help of following Information:

Subscription outstanding on March 31, 2016 is Rs 1,200 and Rs 2,300 on March 31, 2017, opening stock of postage stamps is Rs 300 and closing stock is Rs 200, Rent Rs 1,500 related to 2015 and Rs 1,500 is still unpaid.

On April 01, 2016 the club owned furniture Rs 15,000, Furniture valued at Rs 22,500. On March 31, 2016. The club took a loan of Rs 20,000 (@ 10% p.a.)

11. A, B and C were partners in a firm having capitals of Rs.50,000; Rs.50,000 and Rs.1,00,000 respectively. Their Current Account balances were A: Rs.10,000; B: 5,000 and C: 2,000 (Dr.). According to the Partnership Deed the partners were entitled to an interest on Capital @ 10% p.a. C being the working partner was also entitled to a salary of Rs.12,000 p.a. The profits were to be divided as: The first Rs.20,000 in proportion to their capitals. Next Rs.30,000 in the ratio of 5 : 3 : 2. Remaining profits to be shared equally. The firm made a profit of Rs.1,72,000 before charging any of the above items.

Prepare Profit and Loss Appropriation Account and pass necessary Journal entry for the appropriation of profits.

12. Calculate interest on drawings of Mr. Ashok @ 10% p.a. for the year ended 31st March, 2014, in each of the following alternative cases:

Case 1. If he withdrew Rs.7,500 in the beginning of each quarter.

Case 2. If he withdrew Rs.7,500 at the end of each quarter.

Case 3. If he withdrew Rs.7,500 during the middle of each quarter.

13. X and Y are partners in a firm. X is entitled to a salary of Rs.10,000 per month together with a commission of 10% of the net profit after partners' salaries but before charging any commission. Y is entitled to a salary of Rs.25,000 p.a. together with a commission of 10% of the net profit after charging all commission and partners' salaries. The net profit before providing for partners' salaries and commission for the year ended 31st March, 2016 was

Rs.4, 20,000.

Show distribution of profit.

14. A, B, C and D are partners in a firm sharing profits as 4:3:2:1 respectively. They earned a profit Rs.1,80,000 for the year ended 31<sup>st</sup> March, 2016. As per the Partnership Deed, they are to charge commission @ 20% of the profit after charging such commission which they will share as 2:3:2:3. You are required to show appropriation of profits among the partners
15. X and Y are partners sharing profits and losses in the ratio of 2: 3 with capitals of Rs.2,00,000 and Rs.3, 00,000 respectively. On 1st October, 2015, X and Y granted loans of Rs.80,000 and Rs.40,000 respectively to the firm. Show distribution of profits/losses for the year ended 31st March, 2016 in each of the following alternative cases: Case 1. If the profits before any interest for the year amounted to Rs.21,000. Case 2. If the profits before any interest for the year amounted to Rs.3,000. Case 3. If the profits before any interest for the year amounted to Rs.5,000.
16. Sita and Geeta were partners in a firm. On 1st April, 2011 they admitted Neha as a partner for 1/3 share in the profits of the firm. She is differently abled. The new Partnership Deed provides for the following:
  - a. 5% of the trading profit will be donated to Red Cross Society.
  - b. 10% of the trading profit will be donated to the Prime Ministers Relief Fund.
  - c. Products will be sold to people below poverty line at a discount of 15 % on maximum retail price.
  - d. New retail shops will be opened in the backward areas of the country
  - e. New recruitment of salespersons will be reserved for the girls belongings to Scheduled Castes and Scheduled Tribes, The trading profit of the firm fur the year ended 31.3.2012 was Rs.12,00,000.

Identify any four values that were kept in mind by Sita, Geeta and Neha while preparing new Partnership Deed. Also, prepare Profit and Loss Appropriation Account of the firm for the year ended 31.3.2012.

17. A, B and C are partners in a firm sharing profits in the ratio of 3: 2: 1. They earned a profit of Rs.30,000 during 2015-16. Distribute profit among A, B and C if:
- C's share of profit is guaranteed to be Rs.26,000 minimum.
  - Minimum profit payable to C amounting to Rs.26,000 is guaranteed by A.
  - Guaranteed minimum profit of Rs.6,000 payable to C is guaranteed by B.
- Any deficiency after making payment of guaranteed Rs.6,000 will be borne by A and B in the ratio of 3: 1
18. A and B are in partnership sharing profits and losses in the ratio of 3:2. They decided to admit C, their Manager, as a partner with effect from 1st April, 2015, giving  $\frac{1}{4}$ th share of profits. C while a Manager, was in receipt of a salary of Rs.27,000 p.a. and a commission of 10% of the net profits after charging such salary and commission. In terms of the Partnership Deed, any excess amount which C will be entitled to receive as a partner over the amount which would have been due to him if he continued to be the Manager, would have to be personally borne by A out of his share of profits. Profits for the year ended 31st March, 2016 amounted to Rs.2,25,000. You are required to show Profit and Loss Appropriation Account for the year ended 31st March, 2016
19. Ankur and Bobby were into the business of providing software solutions in India. They were sharing profits and losses in the ratio 3: 2. They admitted Rohit for a  $\frac{1}{5}$  share in the firm. Rohit, an alumni of IIT, Chennai would help them to expand their business to various South African countries where he had been working earlier. Rohit is guaranteed a minimum profit of Rs.2,00,000 for the year. Any deficiency in Rohit's share is to be borne by Ankur and Bobby in the ratio 4: 1. Losses for the year were Rs.10, 00,000. Pass the necessary Journal entries.
20. Asgar, Chaman and Dholu are partners in a firm. Their Capital Accounts stood at Rs.6,00,000; Rs.5,00,000 and Rs.4,00,000 respectively on 1st April, 2015. They shared Profits and Losses in the proportion of 4:2:3. Partners are entitled to interest on capital @ 8% per annum and salary to Chaman and Dholu @ Rs.7,000 per month and Rs.10,000 per quarter respectively as per the provision of the Partnership Deed. Dholu's share of profit (excluding interest on capital but including salary) is guaranteed at a minimum of Rs.1, 10,000 p.a. Any deficiency arising on that account shall be met by Asgar. The profits for the year ended 31st March, 2016 amounted to Rs.4,24,000. Prepare Profit and Loss Appropriation Account for the year ended 31st March, 2016. [Hint : Deficiency of Rs.10,000 in Dholu's share is recovered from Asgar]

## BUSINESS STUDIES

### Homework for summer holidays

1. Learn all Assignment Questions.
2. Project work. ( Students can Prepare on any of the topic either on stock exchange or any product given in 2<sup>nd</sup> option)

It is compulsory for each and every student to submit the project individually. The project contains a detailed statement of the analysis.

The project should be:

- Handwritten

- Concise and clear
- Table and diagrammatic presentation
- Having a length of 25 to 30 Pages.
- End up with a conclusion.

Elements of project report:

1. Cover page
2. Acknowledgement
3. Certificate
4. Content
5. Introduction
6. Main body of research
7. Evaluation
8. Conclusion

Topics:

### **1. Stock Exchange**

- Report on history of stock exchange in India
- Prepare a list of at least 25 Companies listed in stock exchange
- Make an imaginary portfolio totalling a sum of rupees 50000 equally in any of the 5 companies of their choice listed above over a period of 20 working days.
- Causes of fluctuation of prices of a stock.
- Factors responsible for fluctuation in their prices like;
  - a. Change of season
  - b. Festivals
  - c. Spread of epidemic
  - d. Strikes and accidents
  - e. Natural and human disaster
  - f. Political environment
  - g. Government policies
  - h. International events
  - i. International treaties contracts
  - j. International relations
  - k. Crisis in developed countries.

### **2. One Product out of given**

1. DTH
2. Microwave Oven
3. Motor bikes
4. Coffee

Students are required to make a project on the identified product, where they have to include these points

- Why they have selected this product
- Find out 5 competitive brands that exist in that market
- What permission and licence would be required to make the product?
- What are your competitors and unique selling proposition?
- Does your product have any range ? give details
- What is the name of your product?
- Enlist its features
- Draw the label of your product
- Draw a logo for your product

- Draught the tagline
- What is the selling price of your competitors product, to the consumer retailer wholesaler
- Details about packing of the product
- Its channel of distribution
- Decision related to its warehousing
- List five way of promoting your product
- What means of transportation is appropriate for the product.
- What cost effective technique is followed by the product
- Cost effective technique is followed for its promotional plan
- Application of marketing mix for the product

## ECONOMICS

### Home work for summer holidays

**1. Learn all Assignment Questions:**

**2. Project work:** ( Students can make project on any one topic given).

It is compulsory for each and every student to submit the project individually. The project contains a detailed statement of the analysis.

The project should be:

- Handwritten
- Concise and clear
- Table and diagrammatic presentation
- Having a length of 25 to 30 Pages.
- End up with a conclusion.

Elements of project report:

1. Cover page
2. Acknowledgement
3. Certificate
4. Content
5. Introduction
6. Main body of research
7. Evaluation
8. Conclusion

### Topics:

1. Multiplier and its application in the Indian economy
2. Problem of unemployment in India
3. Disinvestment policy
4. Demonetisation in India
5. Money and its relevance in changing scenario
6. Micro and small scale industries in India

Further details about the topics

**1. Multiplier and its application in the Indian economy**

- Definition of multiplier
- Introduction with explanation
- Derivation of algebraic expression
- Diagrammatic presentation
- Explaining its functions in an economy
- Relationship between MPC and multiplier; with proof
- Multiplier process diagrammatic and tabular presentation

- Reverse operation of multiplier
- Application of the principles of multiplier in Indian economy.

## **2. Problem of unemployment in India**

- Introduction
- Concept of unemployment and related terms
- Unemployment across rural and urban and across male and female population.
- Unemployment across different states in India
- Contribution of Primary secondary and tertiary sector total employment
- Challenges of informalisation of workforce
- Challenges of jobless growth
- Reasons for slow growth of employment opportunity
- Remedial measures

## **3. Disinvestment policy**

- Rationale of disinvestment
- Emergence of disinvestment policy
- Policy statement
- Committee/ Commission on disinvestment
- Issues related to strategic and non strategic sectors
- Methodology for disinvestment
- Valuation of PSU for disinvestment
- Interest of workers and employees
- Conclusion

## **4. Demonetisation in India**

- Introduction
- Concept of demonetisation
- Extent of demonetisation
- Benefits of demonetisation
- Good impact of demonetisation on Economy
- Bad impact of demonetisation on Economy
- Further expectations
- Conclusion

## **5. Money and its relevance in changing scenario**

- Introduction
- Characteristics
- Evolution
- Advantages and disadvantages of forms of money
- Electronic money and its necessity
- Conclusions

## **6. Micro and small scale industry**

- Definition of micro and small scale industry legal
- Different types of scale industries
- Significance of industrial policy
- Contribution of small scale industries in economy
- Administrative and institutional framework at national state district level
- Provisions in new economic policy 1991
- Reservation of items for small scale industries

- Modernization of small scale industries
- Problems of small scale industries in India
- Government assistance for small scale industries in India
- Future of small scale industries in India
- Conclusion

## COMPUTER SCIENCE

### Assignment :

1. Write a python program for n – th Fibonacci number .
2. Write a python program for how to check if a given number is Fibonacci number .
3. Write a program in python to multiply all numbers in the list .
4. Write a program in python to find N largest element from a list .
5. Write a python program to count positive and negative numbers in a list.
6. Write a python program to count Even and Odd numbers in a list .
7. Write a program in python to find the product of unique prime factors of a number .
8. Write a python program to find the vertex , focus and directrix of a parabola .
9. Write the python code for the following pattern :

A	0
ABC	101
ABCDE	21012
ABCDEFG	3210123
ABCDEFGH	432101234

10. Write a python program to input any number from the user then perform the following calculation :
  - (i) Sum of digits
  - (ii) Product of digits
  - (iii) Reverse of the number
  - (iv) Check whether the number is Palindrome or not
  - (v) Check whether the number is Armstrong Number or not .
11. Project Work : Make a mini Project by taking the help from Loop constructs , String , List , Tuple and Dictionary only .  
 ( **Choose Any one Topic from the following** ) : Student Management System .  
 Banking System / Bank Transaction  
 Hotel Management System Library  
 Management System School  
 Canteen  
 Salary Management Application  
 Bookstore Management