VIDYANIKETAN-RAJKOT

(Govt. Recognized English Medium School)

Std.:- XII(Comm.) **Vacation Assignment** **Date : 03-05-2019**

Acccounts

❖ **Answer the following questions :**

1. Chaitra, Vaishakh and leth are partners of a firm sharing profit and loss in the ratio of 5 : 3 : 2. Chaitra and Vaishakh has given assurance to Jeth that he will get minimum Rs. 30,000 from the profit. Profit of the firm is Rs. 1,00,000. Show the distribution of profit among partners.
2. Amar, Akbar and Anthony are partners of a firm sharing profit and loss in the ratio of 3 : 2 : 1. Amar has given aaurance to Anthony that the he will get minimum Rs. 25,000 from the profit. Profit to the firm is Rs. 1,20,000. Show the distribution of profit among partners.
3. Sagar, sarita and zarna are the partners of a firm sharing profit-loss in equal proportion, their total capital is of Rs. 2,00,000. Their proportion of capital is 5 : 3 : 2. Firm pays interest on capital of 6% p.a. Partner Zarna received Rs. 62,400 including interest on capital on capital. Determine total amount received by sagar.
4. Amul, Pranav and Manan are partners of a firm. Opening capital balance of partners areresp. Rs. 35,000, Rs. 40,000 and Rs. 75,000. After distribution of profit at the end of the year, it was realized that interest on capital at 12% was not calculated. Write rectification entry.
5. Jyoti, Dipak and Roshni are partners of a firm. Total capital of the firm is Rs. 2,00,000 and their capital ratio is 5 : 3 : 2. After distribution of profit at the end of the year, it was realized that interest on capital at 6% was not calculated. Write rectification entry.
6. Profit of the partnership firm of partners, A, B and C is Rs. 90,000. They distributed profit in the rato of 3 : 2 : 1 instead of 2 : 2 : 1. Write accounting treatment to rectify this error.
7. Profit of the partnership firm of partners, Vasant, Hemant and Shishir is Rs. 1,20,000. They distributed profit in the ratio of 2 : 2 : 1 instead of 3 : 2 : 1. Write accounting treatment to rectify this error.

❖ **Calculate the value of goodwill as per simple average profit method for the following informations/sums :**

8.

Year	2011	2012	2013	2014	2015
Profit (Rs.)	12,000	14,000	11,000	15,000	18,000

Determine goodwill on the basis three years purchases of average profit of last 5 years.

9.

Year	2012	2013	2014	2015	2016
Profit (Rs.)	15,00	10,000	12,000	18,000	5,000

Determine goodwill on the basis of four years purchases of average profit of last 5 years.

10.

Year	2014	2015	2016
Profit/Loss (Rs.)	30,000	(10,000)	4,000

Determine goodwill on the basis of five years purchases of average profit of last 3 years.

11.

Year	2010	2011	2012	2013	2014
Profit (Rs.)	20,000	25,000	22,000	18,000	25,000

Determine goodwill n the basis of three years purchase of average profit of last 5 years.

❖ **Determine the value of goodwill by weighted average profit method for the following informations sums :**

12.

Year	2012	2013	2014	2015
Profit (Rs.)	20,000	22,000	25,000	30,000

Find goodwill on the basis of 4 years purchase.

13.

Year	2010	2011	2012	2013	2014
Profit (Rs.)	45,000	50,000	65,000	70,000	80,000

Find goodwill on the basis of 3 years purchase.

14.

Year	2012	2013	2014	2015	2016
Profit (Rs.)	24,000	26,000	30,000	32,000	36,000

Find goodwill on the basis of 4 yers purchase.

15.

Year	2013	2014	2015	2016
Profit (Rs.)	40,000	50,000	60,000	70,000

Find goodwill on the basis of 4 yers purchase.

16. Parth and Zalak are partners of a firm. Calculate value of goodwill on the basis of 3 years purchase of super profit :

Year	2012	2013	2014	2015
Profit (Rs.)	10,000	11,000	15,000	70,000

17. Kalpana and Bela are partners of a firm. Calculate value of goodwill on the basis of a years purchase of super profit.

Year	2014	2015	2016
Profit (Rs.)	1,50,000	2,10,000	3,00,000

- Aset and liabilities of business are Rs. 6,00,000 and Rs. 2,00,000 respectively.
- Expected rate of return 10%.

18. For a partnership firm of Sagar and Suhana, capital of the firm is Rs. 6,00,000 and expected rate of return is 12%. Average profit of last three years are respectively Rs. 1,50,000, Rs. 2,80,000 and Rs. 1,70,000. Calculate value of goodwill on the basis of 3 years purchase of super profit.

19. Calculate goodwill value by capitalization of weighted average profit method for the following information of partnership firm of Dhyey and Yesha.

Year	2012	2013	2014	2015	2016
Profit (Rs.)	1,35,000	1,50,00	1,65,000	1,95,000	2,25,000

Additional information :

- Assets of the business Rs. 15,00,000.
- Liabilities of the business Rs. 4,00,000.
- General expected rate of return 10%.

20. Shayoni and Saloni are partners of firm. Determine the value of goodwill by capitalization of average profit method for the following information :

Year	2010	2011	2012	2013	2014
Profit (Rs.)	1,00,000	1,35,000	1,20,000	1,25,000	1,15,000

- Capital employed in the business Rs. 10,00,000.
- Expected rate of return 10%.

Stat.

1. For the following data, find the index number by (1) fixed base method and (2) chain base method.

Year	2010	2011	2012	2013	2014	2015	2016
Sales (lakh ₹)	12.5	15	18.4	21	25	30.2	31

2. For the following data, find the index number of production (1) 2011 as the base year and (2) 2014 as the base year

Year	2011	2012	2013	2014	2015	2016	2017
Production (₹ '000)	105	109	110	112	115	120	130

3. The prices of share of a company are as follows:

Month	Jan., 2017	Feb., 2017	Mar., 2017	April., 2017	May., 2017	June., 2017	July., 2017
Price of share(₹)	120	150	200	220	250	280	350

4. Convert the following fixed base index numbers into chain base index numbers:

Year	2012	2013	2014	2015	2016	2017
Fixed Index Number	110	170	205	230	290	305

5. Convert the following chain base index numbers into base fixed index numbers:

Year	2012	2013	2014	2015	2016	2017
Chain Index Number	115	120	130	110	120	125

6. Convert the following chain base index numbers into base fixed index numbers:

Year	2012	2013	2014	2015	2016	2017
Chain Index Number	92	96.5	100	98.7	102	105.7

7. Using Laspeyre's formula, obtain the index number of price for the year 2017 from the following data.

Commodity	**Quantity in 2014**	**Price (₹)**	
		2014	**2017**
A	15 kg	2.10	3.15
B	5 kg	1.50	4.50
C	3 Pieces	0.60	3.00
D	10 metres	1.25	5.00
E	4 kg	2.50	6.00

8. From the following data taking the year 2014 as base year. Find Laspeyre's Paasche's and Fisher's index numbers for the year 2017 and interprete.

Item	**2014**		**2017**	
	Price per unit	**Total Expenditure**	**Price per unit**	**Total Expenditure**
A	120	1800	150	3000
B	80	800	200	2400
C	100	500	170	1700
D	150	600	180	900

9. Construct Fisher's index number from the following data and interprete.

Item	Base year		Current year	
	Total Expenditure ₹	Consumption	Total Expenditure ₹	Consumption
A	160	20	180	20
B	60	6	120	10
C	40	1	60	1
D	48	4	100	5

10. Taking 2014 as the base year, calculate Laspeyre's, Paasche's and Fisher's index numbers for the year 2017 from the following data:

Item	Unit	2014		2017	
		Quantity	Price (₹)	Quantity	Price (₹)
A	kg	8 kg	38	12 kg	40
B	kg	1200 gm	80	900 gms	110
C	20 litre	22 litres	80	30 litres	200
D	litre	3 litres	3	2 litre	5
E	cylinder	1 cylinder	60	1 cylinder	95

11. Taking 2014 as the base year, calculate Fisher's index numbers for the year 2017 from the following data and interprete:

Item	Unit	2014		2017	
		Quantity	Price (₹)	Quantity	Price (₹)
A	20 kg	30	50	25 kg	35 kg
B	1 kg	10	17.50	12 kg	10 kg
C	1 dozen	15	30	5 pieces	4 pieces
D	1 metre	4	6.50	18 metres	30 metres
E	-	25	60	2	2

12. The registered maximum price (in ₹) of the shares limited company on the Bombay Stock Exchange (BSE) during the year 2017-18 are given in the table below:

Month	'17, April	May	June	July	August	September
Price (in ₹)	41	46	43	49	54	51

Month	October	Nov.	Dec.	'18, Jan	Feb	March
Price (in ₹)	50	57	90	83	60	51

Find the trend of the time series by graphical method.

13. The national income statistics (in hundred crore dollars) of a country during the period 2010-2015 is as follows.

Time t (in year)	2010	2011	2012	2013	2014	2015
National income y_t	242	279	292	305	302	306

Fit the trend line to the time series data and estimate the national income of the country for the year 2017.

14. The data on population growth (in percentage) during each ten years of last six census of India are as follows:

Time t (year of census)	1961	1971	1981	1991	2001	2011
Rate of population growth y_t (in percentage)	13.31	21.64	24.80	24.66	23.89	21.54

Fit a trend line to this data. Obtain the trend values and forecast the rate of population growth for the year 2021.

15. The number of milk pouches (in thousand) sold by a milk dairy for the everyday of the week is as follows:

$y_t = 125; t = 1, 2$ $y_t = 185; t = 3, 4$ $y_t = 200; t = 5$

Fit the trend line to the time series data and estimate the sale of milk pouches for the 6th and 7th days.

16. The following data show the sales (in thousand) of a commodity:

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017
Sales (thousand ₹)	320	335	350	330	338	342	345	330	340

Find the trend using three yearly moving averages.

17. The data on sale of a provision store during the first ten months of the year 2017 are given in the following table:

Month (January)	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct
Sales (thousand ₹)	20	32	28	23	17	30	12	50	60	20

Find the trend using four monthly moving averages.

18. The data on profit (in lac ₹) of an industrial house during the time period 2008 to 2017 are given in the following table:

Year	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Profit (lac ₹)	70	75	60	65	70	80	65	85	80	90

Find the trend using four yearly moving averages.

19. The yield of rice (in lac tons) in India is given in the following table:

Year	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Yield (in lac tons)	100	130	156	126	182	213	221	175	180	208

Find the trend using five yearly moving averages.

20. The number of accounts opened in different weeks in a branch of Kalupur Bank are given below:

Week	1	2	3	4	5	6	7	8	9	10
No. of account opened	35	30	32	28	25	35	40	35	45	30

Find the trend using five weekly moving averages.

O.C.

- **Suppose you want to start a business unit. What all steps you will follow to do the same. Explain in detail with the help of an example. [with respect to ch. 1]**

  Prepare this report on project papers.

Economics

- **What is a bank ? What services do they offer ?**
  - Visit a nearby bank & interview an executive about the details on history & various schemes offered by bank.
  - Mention the name of the person you have interviewed & even attach leaflets and other such materials in your interview report.

Geography

- **Answer the following questions :**

1. State different approaches to study human geography.
2. Explain information technology.
3. What is silicon valley.
4. Explain classification of industries.
5. Describe agriculture and allied activities.

- **Prepare a project on saving resources – Making test from waste.**

ENGLISH

1. Design a poster to increase awareness among the youth about blindness and the importance of donating eyes.

2. You are Aman/Aarti of 119, Church Road, Kanpur. You are interested in doing a short term course in Public Speaking for your personality enrichment during your summer vacation. Write a letter to the Director, Personal Centre, Sector 22, Chandigarh, inquiring about the duration of such a course and the terms and conditions for admission.

3. Kavita had a discussion with her friend on information Technology. After getting from a lot of ideas from her, she decides to write an article on Information Technology for her school magazine in about 200 words. Imagine you are Kavita. Write the article.

4. History Society of Kendria Vidyalaya, Krishna Nagar sent a group of students to visit a place of historical interest. You, Anant/Anita were its leader. Write a report in 150-200 words for the school newsletter on the tour, describing the place, its history, how you reached there and all that you have learnt.

5. You are the Secretary of Modern Flats Welfare Association, Bangalore. Write a notice to be circulated to the members of the Association, requesting them to attend a meeting to discuss the parking of the vehicles of the residents.

Note : Students have to prepare the H.W. assignment in different sheet and submit it on 6th June-2019.