

**FACULTY OF COMMERCE**

B.Com. (CBCS)(IV – Semester) Examination, January 2021

*(Common Paper for General/ Computers and Computer Applications/Advertising/**Foreign Trade and Tax Procedures Courses)***CORPORATE ACCOUNTING**

Paper Code – BC - 404

Time: 2 Hours

Max. Marks: 80

**PART – A****Note: Answer any four questions.****(4 X 5 = 20 Marks)**

- 1 Explain the term 'Contributory' in relation to liquidation of companies.
- 2 Calculate purchase consideration to be discharged by Y Ltd. from the following information:
  - a) The assets of X Ltd. are valued at Rs. 1,00,000
  - b) The liabilities of X Ltd. are valued at Rs. 40,000
  - c) Rs.20,000 cash is to be paid to the shareholders of X Ltd. and the balance of purchase consideration is discharged by issue of shares of Rs.10 each at Rs.20 per share.
- 3 What do you know about Acquisition of Business?
- 4 X Ltd. had 5000 8% preference shares of Rs.10 each. The company decided that shares are to be reduced to equal number of fully paid preference shares of Rs.8/- each pass the necessary Journal entry.
- 5 Prepare schedule 13 from the following data

	Rs.(in thousands)
Interest on cash Credits	222
Discount on Bills	333
Rebate on bills discounted as on 1-4-2013	99
Rebate on bills discounted as on 31-03-2014	66
Interest Expended	444

- 6 What is Reinsurance?
- 7 From the following ascertain the amount of claim by applying average clause.

	Rs.
Loss of stock by fire	4,00,000

**Contd...2..**

-2-

Amount of policy	3,42,000
Total value of stock as on the date of fire(closing stocks)	4,56,000
8 Calculate liquidator's remuneration	
a) Balance of cash after paying preferential creditors	4,10,000
b) other Unsecured creditors	4,78,000
c) Liquidator's remuneration 3% on the amount paid to other unsecured creditors.	
Also state the amount paid to unsecured creditors.	

**PART – B****Note: Answer any four questions.****(4 X 15 = 60 Marks)**

9 A Limited Company went into voluntary liquidation with the following liabilities

	Rs.
(i) Trade creditors	12,000
(ii) Bank overdraft	20,000
(iii) 10,000 preference share of Rs.10 each, Rs. 7 called up	70,000
(iv) 10,000 ordinary(Equity) shares of 10 each, Rs. 9 called up	90,000
Less 11 calls in Arrears	2,000
	88,000

The assets realized Rs.2,00,000. Expenses on liquidation amounted to Rs.2,000 and liquidator's remuneration Rs.3,000. Prepare Liquidator's Final Statement of Account.

10. In sol Ltd is to be liquidated. Their summarized Balance sheet as to 30.09.2005 appears as under:

Liabilities	Rs.	Assets	Rs.
2,50,000 Equity shares of Rs.10/- each	25,00,000	Land and Buildings	5,00,000
Secured Debentures (on land and buildings)	10,00,000	Other Fixed Assets	20,00,000
Unsecured Loans	20,00,000	Current Assets	45,00,000
Trade Creditors	35,00,000	Profit and Loss	20,00,000
	90,00,000		90,00,000

Contingent liabilities are a) for Bill discounted 1,00,000

b) For excise duty demands Rs.1,50,000 on investigation it is found that the assets are likely to be realized as follows:

land and Building Rs.11,00,000/- other fixed Assets Rs.18,00,000; current assets Rs.35,00,000. Taking the above into account, prepare the statement of affairs.

**Contd...3..**

11 List out the differences between Amalgamation in the nature of merger and amalgamation in the nature of purchase.

12 X Ltd. and Y Ltd. decided to amalgamate and a new company by name "XY Ltd" is formed to take over both the companies as on 31-03-2018. The following are the Balance sheets of the companies as on that date :

(Rs. In Lakhs)

Liabilities	X Ltd.	Y. Ltd.	Assets	X Ltd.	Y. Ltd.
	Rs.	Rs.		Rs.	Rs.
Share Capital of Rs. 10 per share. Fully paid	50	30	Good will	10	8
Reserve fund	20	15	Land & Buildings	25	19
Profit and Loss account	3	5	Plant and Machinery	20	25
Dividend Equalization Fund	-	10	Patents and Trade Marks	-	5
Workmen's Compensation Fund	2	-	Stock	20	15
Bank overdraft	-	5	Debtors	10	5
Sundry creditors	10	12	Bills Receivable	-	2
Bills payable	5	3	Cash at Bank	5	1
	<b>90</b>	<b>80</b>		<b>90</b>	<b>80</b>

Show how the amount payable to each company is arrived at and prepare the amalgamated Balance sheet of XY Ltd. assuming amalgamation is done in the nature of purchase.

13 S Ltd. was registered with a capital of Rs.1,00,000 divided into 10,000 shares of Rs.10 each and it acquired the business of Mrs. B at an agreed price of Rs.2,50,000.

Balance sheet of Mr. B at the date of acquisition was as follows:

Contd..4..

Liabilities	RS.	Assets	Rs.
Capital	2,00,000	Freehold premises	1,00,000
Reserve	20,000	Plant and Machinery	80,000
Sundry Creditors	50,000	Stock	20,000
Bills payable	30,000	Debtors 27,500	25,000
		Less provisions - 2,500	
		Cash at Bank	75,000
	3,00,000		3,00,000

The consideration was to be discharged by the issue of 20,000 Equity shares of Rs.10 each as fully paid up and the balance in cash. You are asked to Journalize the transactions in the books of S Ltd. (No need to prepare the opening Balance sheet of the company)

14 XYZ Ltd passed a resolution for the capital reduction by Rs.5,00,000 for the purposes as mentioned hereunder.

- (i) To write of debit balance of P&L account of Rs. 2,10,000
- (ii) To reduce the value of plant and machinery by Rs. 90,000  
and Good will by Rs.40,000
- (iii) To reduce the value of Investments by Rs.80,000

The reduction was made by converting Rs. 50,000

Preference shares of Rs.15 each fully paid and converting 50,000 Equity shares of Rs 20 each into 50,000 Equity shares of Rs.15 each fully paid up. Journalize the above transactions in the books of XYZ Ltd.

15 From the following particulars, prepare profit and loss account of the safely Bank for the year ended 31<sup>st</sup> March 2017

	Rs.(‘000)		Rs.(‘000)
Interest and Deposits	3,200	Discount on Bills Discounted	1,490
Commission (Cr.)	100	Interest on Overdrafts	1,600
Interest on Loans	2,490	Interest on Cash credits	2,320
Sundry charges(Dr)	100	Auditor’s Fees	35
Rent and Taxes	200	Director’s Fees	16
Payment to Employees	500	Bad Debts	300

Contd...5...

16. The Trial Balance of Andhra Bank, contains the following information on 31<sup>st</sup> March 2015

Loans, Cash credits and overdrafts	Rs.20,00,000
Bills discounted and purchase	Rs.15,00,000
Term Loans	RS.5,00,000

schedule9(Advances) of the bank with imaginary figures wherever necessary.

- 17 Distinguish between life insurance and General Insurance.
- 18 From the following information prepare Revenue Account of Reliance Nippon Life Assurance Company for the year ended 31-03-2013

Particulars	Rs.('000)	Particulars	Rs.('000)
Premium received	7000	Commission paid	500
Employees Remuneration	1550	Provision for Tax	210
Rent Rates and Taxes	20		
Printing and Stationary	50	Claims by death	1200
Claims paid by maturity	300	Profit on sale of Investments	60
Consideration for Annuities granted	1500	Annuities paid	200
Interest, dividends and Rents(Gross)	1250		

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Code No. 10172

**FACULTY OF COMMERCE**

**B.Com. (CBCS) (IV – Semester) Examination, January 2021**

**(Common paper for General/computer/Applications/Advertising/Tax/Foreign Trade)**

**INCOME TAX II**

**Paper Code – BC - 405**

**Time: 2 Hours**

**Max. Marks: 80**

**PART – A**

**Note: Answer any four questions.**

**(4 x 5 = 20 Marks)**

- 1 Deemed Transfer under Capital gain.
- 2 Short Term and Long Term Capital Assets
- 3 Provisions for Family pension
- 4 Dividend u/s 2(22)
- 5 Deduction u/s 80 9
- 6 Tax liability provisions of Income term AoP
- 7 Alternate minimum Tax (AMT)
- 8 Rectification of mistakes.

**PART – B**

**Note: Answer any four questions.**

**(4 x 15 = 60 Marks)**

- 9 What is the meaning of term "Cost of Acquisition" as used in the head "Capital Gains"? What rules are given for the determination of Cost of Acquisition.
- 10 Mr. Saurabh sold the following assets during the year 2016 -17 as he has discontinued his business:

**Sale Proceeds:**

	Rs.
a) land purchase in 1981-82 situated at mysore for Rs.20,000	2,70,000
b) Machinery purchased for Rs.12,000 in 1984 (W.D.V. on 1-4-16 Rs.6000)	21,000
c) Office furniture purchased in Apr. 2016 for Rs.1,200	1,700
d) Shop purchased in 1984-85(CII:125) for Rs.30,000(Kept as investment)	3,20,000
e) Residential house purchased in 1981-82 for Rs.30,000 sold 15-4-2016	3,50,000

**Contd..2..**

- f) Rs.10,000 : 10% Debentures purchased on 1-5-2016 sold on 16<sup>th</sup> March 2017  
12,000 (interest is payable in June and December every year)  
He purchased another residential house on 15-3-2017 for Rs.3,50,000 during the year. Compute his Taxable Income under the head Capital gains if CII for 2016-17 is 1125
- 11 Enumerate the items of deductions allowable in computing Income from Other Sources.
- 12 From the following particulars of Mr. Tarak for the P.Y compute his income under the head other services for the A.Y 2017-18  
He received
- |                                                                                           | Rs.        |
|-------------------------------------------------------------------------------------------|------------|
| i) Director's fee from a company                                                          | Rs.10,000  |
| ii) Interest on Bank Deposits                                                             | Rs.3,000   |
| iii) Income From Undisclosed sources                                                      | Rs. 12,000 |
| iv) Winning from the Lotteries                                                            | Rs.24,500  |
| v) Royalty on a book written by him                                                       | Rs.8,000   |
| vi) By giving lectures in functions                                                       | Rs.5,000   |
| vii) Interest on loan given to a relative                                                 | Rs.7,000   |
| viii) Interest on Tax free Debentures of a company (listed in recognized stock exchanges. | Rs. 3,600  |
| ix) Dividend on shares                                                                    | Rs. 6,400  |
| x) Interest on post office Saving Account                                                 | Rs. 500    |
| xi) Interest on Govt. Securities                                                          | Rs. 2,200  |
- He paid Rs.100 for collection of Dividend and Rs.1000 for typing the manuscript of book written by him.
- 13 Explain the provisions of Income Tax Act, regarding carry forward and set-off of Losses.
- 14 Discuss briefly the provisions of the income Tax Act regarding deductions to be made in computing the total Income of an assesses in respect of certain payments.
- 15 What are the tax provisions regarding Alternate minimum Tax(AMT) on individual?
- 16 Compute the Total Income of M. Ram from the particulars given below:
- |                                                                                            | Rs.    |
|--------------------------------------------------------------------------------------------|--------|
| i) Interest on securities (Gross)                                                          | 27,000 |
| ii) Rental Value of a house Rs.7,500 p.m. self acquired but transferred to HUF common pool | 25,200 |
| iii) Share from Firm in which he has 1/3 share                                             | 45,000 |
| iv) Commission received by his wife from such firm for acting as its selling Agent         | 25,000 |
17. What are prerequisites for filling of E-forms?
18. Discuss the various types of Assessment under Income Tax Act.

**FACULTY OF COMMERCE**

B.Com. (CBCS) (IV – Semester) Examination, January 2021

*(Common Paper for General/ Computers and Computer Applications/Advertising/Foreign Trade and Tax Procedures Courses)***BUSINESS STATISTICS – II**

Paper Code – BC - 406

Time: 2 Hours

Max. Marks: 80

**PART – A****Note: Answer any four questions.****(4 x 5 = 20 Marks)**

- 1 If  $x = 0.85y$  and  $y = 0.89x$  Find the coefficient of correlation.
- 2 Define Index Numbers.
- 3 From the following data, construct an index Number for 2017 taking 2016 as base as per simple aggregative Method.

Commodity	P	Q	R	S	T
Price 2016(Rs.)	40	60	85	25	30
Price 2017(Rs.)	60	90	125	35	40

- 4 Components of Time Series.
- 5 From the following data fit a trend line by the method of Semi-Average.

Year:	2012	2013	2014	2015	2016	2017
Output:	20	16	24	30	28	32

- 6 Explain
  - (i) Dependent event and
  - (ii) Independent Event.
- 7 Explain the Axiomatic Approach to probability.
- 8 Comment on the following  
For a Binomial Distribution mean = 7 and Variance = 11

**PART – B****Note: Answer any four questions.****(4 x 15 = 60 Marks)**

9. What is meant by regression? What is the importance and limitations of Analysis?
- 10 From the following data obtain the two regression equations and calculate the correlation co-efficient.

x	2	4	6	8	10	12	14	16	18
y	18	16	20	24	22	26	28	32	30

Calculate the value of y when  $x = 6.2$ 

Contd..2..



- 11 The index of 2010 is 100. It rises by 5% in 2011, falls 2% in 2012, rises 4% in 2013, rises 10% in 2014, falls 3% in 2015, and rises 8% in 2016. Find out the indices for the 7 years assuming that all the increases and decreases are the percentages of the respective proceeding years – Also recast the indices shifting base to 2014.
- 12 From the following data calculate price index according to  
 (i) laspeyre,  
 (ii) paasche and  
 (iii) Marshall-Edgeworth methods.

Item	Base year		Current year	
	Price(Rs.)	Expenditure(Rs.)	Price(Rs.)	Expenditure(Rs.)
A	5	50	8	40
B	7	25	12	30
C	9	10	15	25
D	12	5	20	18

- 13 Calculate the 3 yearly and 5 yearly moving averages for the following time series.

Year	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Production (in quintals)</b>	500	540	550	530	520	560	600	640	620	610	640

- 14 Obtain the straight line trend equation for the following data by the method of the least square. Tabulate the trend values.

Year	2010	2011	2012	2013	2014	2015	2016
<b>Sales (in '000 units)</b>	140	144	160	152	168	176	180

- 15 A box contains 8 Red and 5 white balls. Two successive draws of 3 balls are made at random. Find the probability that the first three are white and second three are red.  
 (i) When there is replacement and  
 (ii) When there is no replacement
- 16 A factory has two machines. Empirical evidence has established that machines I and II produce 30% and 70% of output respectively. It has also been established that 5% and 1% of the output produced by these machines respectively was defective. A defective item is drawn at random. What is the probability that the defective item was produced by either machine I or machine II?
- 17 8 Coins are tossed at a time, 256 times. Find the expected frequencies of successes (Getting a Head) and tabulate the results obtained.
- 18 Fit a Poisson distribution to the following data.

x:	0	1	2	3	4
f:	123	59	14	3	1

$$(e^{-m} = 0.6065)$$

Code No. 10175

**FACULTY OF COMMERCE**

**B.Com. (CBCS)(IV – Semester) Examination, January/February 2021**  
**(Common Paper for Computers and Computer Applications Courses)**

**Objected Oriented Programming with C++**

**Paper Code – BC - 407**

**Time: 2 Hours**

**Max. Marks: 80**

**PART – A**

**Note: Answer any four questions.**

**(4 X 5 = 20 Marks)**

- 1 What do you mean by Inline function?
- 2 Explain the concepts of oops.
- 3 Briefly write about Access specifies.
- 4 Write about type conversion in C++
- 5 What do you mean by virtual function?
- 6 Explain about Dynamic Memory Allocation.
- 7 What do you mean by Data Structure?
- 8 Write a program to find whether the given year is leap year or not.

**PART – B**

**Note: Answer any four questions.**

**(4 X 15 = 60 Marks)**

- 9 What do you mean by operator? Explain any Four operators in C++.
- 10 Explain about looping statements in C++.
- 11 Write briefly about constructor and Destructor in C++
- 12 Explain about friend function with an example program.
- 13 What do you mean by Inheritance? Write about types of Inheritance.
- 14 Briefly write about operator overloading.
- 15 Explain about Polymorphism in C++.
- 16 Write about formatted console I/O operations.
- 17 Write about Try and Catch Expressions
- 18 Explain about Stacker.

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