## VIVEKANANDA COLLEGE，TIRUVEDAKAM WEST

（Autonomous \＆Residential）
［Affiliated to Madurai Kamaraj University］
B．Com．Degree（Semester）Examinations，November 2017
Part－III ：Allied Subject ：First Semester ：Paper－I
MANAGERIAL ECONOMICS
Under CBCS－Credit 5

## SECTION－A

## Answer ALL Questions：

$(10 \times 1=10)$
1．The difference between old and new total costs is called
a）Marginal cost
b）Incremental cost
c）Opportunity cost
d）Accounting cost

2．Inverse relationship between price and demand is called
a）Supply
b）Elasticity of supply
c）Demand
d）Elasticity of demand

3．At equilibrium，the slope of the indifference curve is
a）Greater than the slope of the budget line
b）Lesser than the slope of the budget line
c）Lesser than or equal to the slope of the budget line
d）Equal to the slope of the budget line
4．Law of Variable Proportion operates during
a）Short period
b）Very short period
c）Long period
d）Very long period

5．In a perfectly competitive market，the AR curve is
a）Upward sloping
b）Downward sloping
c）Horizontal
d）Vertical

## Fill in the blanks：

6. $\qquad$ cost indicates difference in cost when one more unit is produced．
7. $\qquad$ method is the other name for expert opinion method．

8．Higher indifference curve represents $\qquad$ level of satisfaction．

9．Destruction of utility is called $\qquad$ —．
10. $\qquad$ means competition among few．

## SECTION－B

## Answer ALL Questions：

11．a）Discuss the scope of Managerial Economics．
（OR）
b）Analyse the Discounting Principle of Managerial Decisions．
12．a）What are the factors determining demand for a commodity？
（OR）
b）Describe the demand forecasting for a new products．
13．a）Explain the Marginal Rate of Substitution．
（OR）
b）Analyse the Consumers＇Equilibrium with the help of indifference curve．
14．a）Write a note on Law of Diminishing Returns．
（OR）
b）Elucidate the internal economies of scale．
15．a）Discuss the relationship between AC and MC．
（OR）
b）Explain the price－output determination under monopoly．

## SECTION－C

Answer any THREE Questions：$\quad(\mathbf{3} \times \mathbf{1 0}=\mathbf{3 0})$
16．Discuss the Incremental Principle of Managerial Decision．
17．Explain the Law of Demand．
18．Discuss the properties of indifference curves．
19．Analyse the Law of Variable Proportions．
20．Evaluate the price－output determination under perfect competition．

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B. Com. Degree (Semester) Examinations, November 2017

Part - III : Allied Subject : Third Semester : Paper - I
MARKETING
Under CBCS - Credit 5
Time: 3 Hours

## SECTION - A

## Answer ALL Questions:

$(10 \times 1=10)$

1. Market is derived from the $\qquad$ word.
a) Latin
b) English
c) Tamil
d) Marti
2. Grading is one of the various type $\qquad$ in marketing.
a) function
b) merits
c) de-merits
d) objectives
3. Selling is most important $\qquad$ of the modern marketing.
a) function
b) feature
c) merits
d) de-merits
4. Established standards are commonly known as $\qquad$
a) grade
b) label
c) inspection
d) standardisation
5. Channel is derived from the French Word $\qquad$
a) canal
b) cannal
c) cenal
d) cann all
6. $\qquad$ is also known as middle men approach.
7. $\qquad$ is the second stage of evolution marketing concept.
8. Product is one of the elements for $\qquad$ -.
9. $\qquad$ is the first step in the process of marketing.
10. Physical Traits is Qualities of a successful $\qquad$ -.

## SECTION - B

## Answer ALL Questions:

$(5 \times 7=35)$
11.a) What are the various importance of Marketing?
(OR)
b) Define market and the various types of approaches in marketing.
12. a) What are the various methods of Buying?
(OR)
b) What are the various types of selling policies?
13.a) What are the various functions of standardization?

## (OR)

b) Explain about the methods of marketing risk.
14.a) What are the various Benefits of product mix?
(OR)
b) Explain about the various types of consumer goods.
15.a) Write down the various objectives of personal selling.
(OR)
b) Explain the various importance of salesman ship.

## SECTION - C

## Answer any THREE Questions:

$(3 \times 10=30)$
16. What is meant by market? And Explain about benefits of the modern concept of marketing.
17. What are the merits and demerits of road transport?
18. Explain the various factors of marketing mix.
19. Enumerate the factors influencing pricing decisions.
20. Discuss the various qualities of successful salesman.
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B. Com. Degree (Semester) Examinations, November 2017

Part - III : Core Subject : First Semester : Paper - I
FINANCIAL ACCOUNTING - I
Under CBCS - Credit 5
Time: 3 Hours
Max. Marks: 75
SECTION - A

## Answer ALL Questions:

$(10 \times 1=10)$

1. Journal is a book of $\qquad$ _.
a) Duplicate entry
b) primary entry
c) final entry
d) entry
2. Bill of Exchange is drawn by $\qquad$ -.
a) Drawer
b) Drawee
c) Debtor
d) Endorsee
3. Salary paid to manager must be debited to $\qquad$ _.
a)Manager $A / c$
b) Office Expenses $\mathrm{A} / \mathrm{c}$
c) Salaries $A / c$
d) Personal A/c
4. Depreciation is caused by $\qquad$ _.
a)Lapse of time
b) Wear \& Tear
c) Obsolescene
d) All the above
5. Receipts and payment $a / c$ is called as
a) Cash book
b) Purchase book
c) Invoice book
d) Sales book.
6. $\qquad$ concept assumes that the business will not be sold in the near future.
7. When a part of the transaction is not recorded, it is called $\qquad$ .
8. Carriage Inward is shown in $\qquad$ Account.
9. Revenue expenditure is intended to benefit $\qquad$ period.
10. Income and Expenditure $\mathrm{A} / \mathrm{c}$ is prepared by $\qquad$ .

## SECTION - B

## Answer ALL Ouestions: <br> $(5 \times 7=35)$

11.a) State the differences between double entry system and single entry system.
(OR)
b) From the following information prepare a trial balance:

|  | Rs. | Rs. |  |
| :--- | ---: | :--- | ---: |
| Cash | 28650 | Capital | 50000 |
| Investment | 13500 | Furniture | 3000 |
| Creditors | 2800 | Salary | 1000 |
| Debtors | 2000 | Sales | 7000 |
| Purchases | 10100 | Wages | 200 |
| Drawings | 1250 | Stationary | 100 |

12. a) Prepare a Bank Reconciliation Statement from the following as on 31.12.2002:

Balance as per cash book 12500
Cheques issues but not presented for payment 900
Cheque deposited in bank but not collected 1200
Bank paid insurance premium 500
Direct deposit by a customer 800
Interest on Investment collected by bank 200
Bank Charges 100

## (OR)

b) Pass rectifying entries for the following transactions:
i) Goods sold to Anil for Rs. 4000 on credit were not entered through the sales book.
ii) Rs. 400 paid for repairs to the Machinery stands wrongly posted to Machinery A/c.
iii) Salaries Rs. 2000 paid to Gopal is wrongly debited to his personal account in the ledger.
iv) Purchase Book overcast by Rs. 1000 .
v) Rs. 1500 worth of goods returned by Saravanan has been omitted.
13. a) From the following information ascertain gross profit:

## Particulars

Rs Particulars
Opening stock
Return outwards
Purchases
Wages
50000 Sales
20000 Return inwards
4000 Salaries 90000010000

350000 Closing stock 75000
(OR)
b) From the following information ascertain net profit:

| Particulars | Rs | Particulars | Rs |
| :--- | ---: | :--- | ---: |
| Gross Profit | 100000 | Advertisement | 5000 |
| Salaries | 20000 | Bad Debts | 500 |
| Rent paid | 12000 | Commission received | 5000 |
| Postage | 5000 | Carriage outwards | 3000 |

14.a) Ravi purchased a machine on $1^{\text {st }}$ July 1995 at a cost of Rs. 14000 and spent Rs. 1000 on its installation. The firm writes off depreciation at $10 \%$ under Straight Line Method. The books are closed on 31 December every year. Prepare Machinery A/c and Depreciation A/c for three years. (OR)
b) Calculate average due date from the following details of a trader:

| Date of bill | Amount of bill (Rs.) | Due Date |
| :---: | :---: | :---: |
| 1.4 .90 | 800 | 6.6 .90 |
| 30.4 .90 | 1000 | 3.8 .90 |
| 3.6 .90 | 400 | 6.7 .90 |
| 15.6 .90 | 600 | 18.9 .90 |

15. a) From the following particulars prepare Income and Expenditure A/c for the year 2006:

| Receipts | Rs. | Payments | Rs. |
| :--- | ---: | :--- | :---: |
| To balance: |  | By salaries | 2000 |
| Cash | 1000 | By Insurance | 1000 |
| Bank | 3000 | By Purchase of Building | 2000 |
| To subscription | 10000 | By Balance: |  |
| To Interest | 10000 | Cash | 3000 |
|  |  | Bank | 7000 |
| Total | $\mathbf{2 4 0 0 0}$ | Total |  |

## (OR)

b) Distinguish between Receipts \& Payment A/c and Income and Expenditure A/c.

## SECTION - C

## Answer any THREE Questions: $\quad(3 \times 10=30)$

16. Journalize the following transactions in the books of Thiru Ganesan as on Jan 2001:

Rs.
50000
2.1 Deposited into bank ..... 23500
3.1 Purchased Furniture by issuing cheque ..... 2000
4.1 Cash Purcahse ..... 5000
5.1 Sold goods to Krishna ..... 800
7.1 Purchased goods from Govind ..... 2000
8.1 Received from Krishna ..... 500
10.1 Paid Govind ..... 700
15.1 Withdrawn cash from bank for personal expenses ..... 85000
20.1 Received commission ..... 500
17. On 1.6.2009, John drew four bills of exchange on Mani for Rs.750, Rs. 1500 , Rs. 2000 and Rs. 3500 for 1 month, 2 months, 3 months and 4 months respectively. Mani accepted the bills and returned to John. John endorsed the first bill to his creditor Samy. He sent the second bill to the bank for collection. He discounted the third bill with bank at $24 \%$ p.a. He retained the fourth bill till due date. All the bills were duly honoured at maturity. Pass journal entries in the books of John.
18. The following balances extracted from the books of Mrs.Suguna as on $31^{\text {st }}$ March,2004. Prepare Trading and Profit and Loss account and Balance sheet as on that date.

| Debit Balances | Rs | Credit <br> Balances | Rs |
| :--- | ---: | :--- | :--- |
| Drawings | 40000 | Capital | 200000 |
| Cash at bank | 17000 | Sales | 160000 |
| Cash in hand | 60000 | Sundry <br> Creditors | 45000 |
| Wages | 10000 |  |  |
| Purchases | 20000 |  |  |
| Stock(31.03.03) | 60000 |  |  |
| Building | 100000 |  |  |
| Sundry Debtors | 44000 |  |  |
| Bills receivable | 29000 |  |  |
| Rent | 4500 |  |  |
| Commission | 2500 |  | $\mathbf{4 0 5 0 0 0}$ |
| General <br> Expenses | 8000 |  |  |
| Furniture | 5000 |  |  |
| Suspense <br> Account | 5000 |  |  |
| TOTAL | $\mathbf{4 0 5 0 0 0}$ |  |  |

## Adjustments:

> Closing stock Rs. 40000 valued as on 31.03.2004.
> Interest on capital at $6 \%$ to be provided.
$>$ Interest on Drawings at $5 \%$ to be provided.
$>$ Write off Bad Debts Rs. 1000 .
> Wages yet to be paid Rs. 500 .
19. A Second hand machinery was purchased on 1.1.2000 for Rs.30000, Rs. 6000 was spent on repairs and Rs. 4000 was spent on erection. On 1.7.2001, machinery was purchased for Rs.26000. On 1.7.2002, the first machine was sold for Rs.30000. On the same day, one more machine was bought for Rs.25000. On 31.12.2002, the machine bought on 1.7.2001 was sold for Rs.23000. Accounts are closed on $31^{\text {st }}$ December every year. Depreciation is written off at $15 \%$ p.a. on W.D.V. method, Prepare machinery Account for 3 years ending 31.12.2002.

20．The following is the Receipts and Payments of Chennai club as on $31^{\text {st }}$ December 2014：

| Receipts | Rs． | Payments | Rs． |
| :---: | :---: | :---: | :---: |
| To Opening balance | 2400 | By Salaries | 5700 |
| To Entrance Fees | 500 | By Sports club workers wages | 2400 |
| To Subscription To amount collected from Sports | 8700 | By Rent | 150 |
| Competition | 1500 | By Printing and Postage | 200 |
| To interest on | 500 | By Repairs | 175 |
|  |  | By Closing balance | 4975 |
|  | 13600 |  | 13600 |

## Additional Information：

－Subscription received in this year includes Rs． 500 for the outstanding subscription during 2013.
－Wages includes Rs． 150 for the previous year 2013.
－Balances as on 1．1．2013 in the books Rs
Capital Fund 49000
Premises for Sports Ground 30000
Investments 10000
Furniture 6250
－Entrance Fees to be capitalized．
－Outstanding salaries as on 31．12．2014 Rs．200．
－Interest on Investment Accrued Rs． 120 on 31．12．2014．
－Depreciate Furniture at $10 \%$ ．
Prepare Income and Expenditure Account for the year ending 31．12．2014 and Balance sheet as on that date．
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B．Com．／B．Com．（CA）Degree（Semester）Examinations，November 2017 Part－III ：Core Subject ：First Semester ：Paper－II
buSINESS CORRESPONDENCE \＆OFFICE METHODS
Under CBCS－Credit 4
Time： $\mathbf{3}$ Hours
Max．Marks： 75

## SECTION－A

## Answer ALL Questions：

$(10 \times 1=10)$
1．The Essential Qualities of a Good Business Letter are $\qquad$
a）Simplicity
b）Clarity
c）Accuracy
d）All of the above

2．The letter is sent by the prospective buyers to know the details of the goods is $\qquad$
a）Enquiry letter
b）Quotation letter
c）Order letter
d）Complaint letter
3. $\qquad$ types of deposit are made for a fixed period．
a）Fixed Deposits
b）Savings Account
c）Current Account
d）Special Deposits

4．The primary function of an office is $\qquad$ ＿．
a）making records
b）receiving and collection of information
c）carrying out the management policies
d）safeguarding of authority
5. $\qquad$ refers to the systematic arrangement of keeping business correspondence and records．
a）Indexing
b）Filing
c）Layout
d）Condominium

6．Communication through exchange of letters is known as $\qquad$ －．
7．The essentials of the Business letter are divided into $\qquad$ parts．

8．The insurer undertakes to indemnify the assured for the consideration in the form of $\qquad$ ＿．
9．Office is mainly concerned with $\qquad$ or paper work．
10．The classification which is based on the area of operation is termed as $\qquad$ －

## SECTION－B

## Answer ALL Questions：

$(5 \times 7=35)$
11．a）What are the main purposes of a Business letter？
（OR）
b）State the Significance of a Business letter．
12．a）State the features of a circular letter．
（OR）
b）What are the different stages involved in collection correspondence？
13．a）What are the essential characteristics of banking correspondence？
（OR）
b）State the advantages of Life Insurance．
14．a）State the importance of Office．
（OR）
b）What are the factors to be considered in selecting office machines？
15．a）What are the objectives of filing？
（OR）
b）What are the types of indexing？

## SECTION－C

## Answer any THREE Questions：

$(3 \times 10=30)$
16．Explain the important characteristics of a Good business letter．
17．M／s．Naidu \＆Company，Chennai，send letter to M／s．Arun \＆Co．， Cochin asking for the payment of dues．They also send a statement of accounts to them．Draft a letter．
18．A businessman writes to the local bank in order to sanction for an overdraft amounting to Rs．25000／－in his favour，owing to the local festival．Draft his letter to the bank．
19．Explain the functions of office in detail．
20．Discuss the essentials of a good filing system．

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B. Com. Degree (Semester) Examinations, November 2017

Part - III : Core Subject : First Semester : Paper - III
PRINCIPLES OF MANAGEMENT
Under CBCS - Credit 4
Time: $\mathbf{3}$ Hours
Max. Marks: 75

## SECTION - A

## Answer ALL Questions:

$(10 \times 1=10)$

1. The right to give order is called
a) Leader
b) Manager
c) Authority
d) Responsibility
2. In Scalar Chain the Scalar denotes
a) Scales
b) Steps
c) Measurements
d) None of the above
3. Thinking before doing is called
a) Organising
b) Co-ordinating
c) Directing
d) Planning
4. $\qquad$ is the process of making predictions of the future based on past and present data and most commonly by analysis of trends.
a) Forecasting
b) Organising
c) Co-ordinating
d) Planning
5. The theoretical justification for the restricted Span of the Management was developed by
a) F.W.Taylor
b) Henry Fayol
c) A.G.Gracie
d) O.A.Thomas
6. Organising leads to a $\qquad$ allocation of jobs amongst the work force.
7. The informal group's communication system is called as $\qquad$ .
8. Forces which tend to distort communication are called $\qquad$ .
9. $\qquad$ is generally defined as regular measurement of outcomes and results of the organization.
10. $\qquad$ is the process of organizing people or groups so that they work together properly and well.

## SECTION - B

## Answer ALL Questions:

$(5 \times 7=35)$
11. a) How F.W. Taylor and Henri Fayol differ in their approach to management thought?
(OR)
b) Explain briefly about the various functions of Management.
12.a) Why is planning so important for the success of any organisation?
(OR)
b) Differentiate between standing plans and single-use plans.
13.a) Briefly explain about the different strategies adopted in departmentation?
(OR)
b) Enumerate the concept of line and staff organization.
14.a) List out any four barriers to communication and elaborate on how they can be overcome.
(OR)
b) Differentiate between extrinsic motivation and intrinsic motivation.
15.a) Describe the steps involved in the process of controlling.
(OR)
b) Briefly explain the characteristics of an effective control system.

## SECTION - C

## Answer any THREE Questions:

$(3 \times 10=30)$
16. Compare the classical approach on management with the modern approaches of scientific management.
17. Why decision making and problem solving are termed as core functions of management? List the various steps involved in decision making process.
18. Delegation is the ability to get result through others - Discuss.
19. Compare the three leadership styles. Under what situations would each style be effective? Give examples.
20. Explain the different methods of comparing the actual results with expected results for the purpose of evaluating the effectiveness of controlling in an organization.


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B. Com./B. Com. (CA) Degree (Semester) Examinations, November 2017

Part - III : Core Subject : Third Semester : Paper - I

## ADVANCED ACCOUNTING

Under CBCS - Credit 4
Time: $\mathbf{3}$ Hours
Max. Marks: 75

## SECTION - A

## Answer ALL Questions:

$(10 \times 1=10)$

1. Partnership means
a) An arrangement between two or more groups
b) An agreement between more business owners
c) An agreement between two or more persons
d) An arrangement between two or more firms
2. A maximum of $\qquad$ persons are legally permitted to form a partnership.
a) 10 persons
b) 20 persons
c) 25 persons
d) Unlimited persons
3. Mode of settlement of accounts between parties is governed by
a) Section 4 of the Indian Partnership Act.
b) Section 21 of the Indian Partnership Act.
c) Section 13 (b) of the Indian Partnership Act.
d) Section 48 of the Indian Partnership Act.
4. The other name of Realization account is
a) Dissolution account
b) Revaluation account
c) Real account
d) Rearranging account
5. Royalty paid on the basis of the output is transferred to the $\qquad$
a) Profit and Loss account
b) Royalty account
c) Production account
d) Suspense account
6. The person who pays the royalty is known as $\qquad$ -.
7. $\qquad$ will be made in the books of the hire purchaser for the purchase.
8. The formula for calculating hire purchase charges is $\qquad$ _.
9. A person is said to be insolvent when $\qquad$ .
10. The List-B of insolvency list contains $\qquad$ -

## SECTION - B

## Answer ALL Questions: <br> $(5 \times 7=35)$

11. a) A and $B$ share profits in the ratio of 3:2. $C$ is admitted with $1 / 5$ share and is required to bring Rs. 2,500 towards his share of goodwill which he is unable to do. There is no goodwill appearing in the books. No Goodwill Account is to appear in the Balance Sheet in the future also.
(OR)
b) Enumerate the main accounting requirements for admission of a new partner.
12. a) Mani and Gani sharing profits in the ratio of $5: 3$ took out a Joint Life Policy of Rs.40,000 on January 1, 1995, for 20 years paying an annual premium of Rs. 2,200. The surrender values were: 1995 - nil; 1996 - Rs. 500; 1997 - Rs. 1,200; 1998 - Rs. 2,050. Gani died on April 20, 1998, and the claim was received on May 25 . Show the accounts under the three different methods.

## (OR)

b) Elucidate about return of premium on premature dissolution $\mathrm{u} / \mathrm{s}$ 51.
13. a) A Company acquired a lease of a mine at a minimum rent of Rs. 10,000 per annum. The royalty was fixed at Rs. 0.50 per tonne. Short workings could be recouped within three years following the year in which the short workings occur. If there is stoppage of production due to a strike in any year, the minimum rent would be proportionately reduced in regard to the length of the stoppage. The output (in tonnes) of the mine was as follows: 1993-8,000; 1994-12,500; prepare landlord's account.

$$
(\mathbf{O R})
$$

b) List out the accounting treatment for when the royalties are equal to or more than the minimum rent.
14. a) From the following information, calculate the amount to be paid to the owner if the hire purchaser intends to complete the purchase of goods.

|  | Rs. |
| :--- | ---: |
| Cash price | 36,000 |
| Down payment | 3,000 |
| Hire purchase price | 39,000 |
| No. of installments | 24 |
| Installments paid by the hire purchaser | 18 |

## (OR)

b) Briefly explain the right of the hirer to purchase with rebate U/s 9 .
15.a) On December 31, 2008, the assets and liabilities of Govind of Madras were Rs. 60,000 and Rs. 45,000 respectively as per his books. He estimated his deficiency to be Rs. 20,000. He found subsequently that the following were not taken into account: Interest on his capital of Rs. 30,000 at 6\% for one year. Prepare Statement of Affairs.
(OR)
b) Distinguish between insolvency of individuals and partnership.

## SECTION - C

## Answer any THREE Questions:

$(3 \times 10=30)$
16. P and Q were working in partnership sharing profits and losses equally. On December 31, 2008, P decided to retire and in his place, his son R was admitted as partner from January 1, 2009, with $1 / 3$ share of profit.


It was decided that:
a) The goodwill should be raised to Rs. 20,000.
b) The motor car would be taken over by P at its book value.
c) The value of land and buildings would be increased by Rs. 8,280.
d) Q and R would introduce sufficient capital to pay off P and to leave thereafter a sum of Rs.7,350 as bank balance, so as to make their capital proportionate to their share of profits.
e) The capital payable by $R$ was to be gifted to him by his father.
f) The new partners decided not to show goodwill as an asset.

The new arrangements were duly complied with. Show the partner's Capital Account and the Bank Account.
17. Balance Sheet of P, Q and R as on March 31, 2014

| Liabilites | Rs. | Assets | Rs. |
| :--- | ---: | :--- | ---: |
| P's Capital A/c | 25,000 | Freehold property | 10,000 |
| R's Capital A/c | 15,000 | Furniture | 5,000 |
| P's Current A/c | 1,000 | Stock-in-trade | 23,100 |
| R's Current A/c | 500 | Debtors | 30,000 |
| Sundry creditors | 30,000 | Cash | 2,500 |
| Loan for mortgage of |  | Q's Current A/c | 4,900 |
| freehold property | 4,000 |  |  |
|  | 75,500 |  | 75,500 |

The partners shared profits and losses in the proportion of 6:3:5. It was decided to dissolve with partnership as on the date of the Balance Sheet.

|  | Rs. |
| :--- | ---: |
| Freehold property | 6,000 |
| Furniture | 2,000 |
| Stock-in-trade | 15,000 |
| Debtors | 20,000 |

The expenses on realization amounted to Rs. 2,000. The sundry creditors agreed to take 75 paise in a rupee in full satisfaction. It was ascertained that Q was insolvent. A dividend of 60 paise in a rupee was received from the court receiver. Write up the Realisation Account, the Bank Account, Capital and Current Accounts of the partners. Indicate the basis adopted for distributing the deficiency in the Capital Account.
18. Dobsons Ltd. Took a licence for production of a foreign medicine from Johnson Ltd. At royalty of Rs. 1 per bottle produced. Dobsons Ltd. issued a sub-licence to Medico Ltd. On the basis of a royalty payment of Rs. 1.25 per bottle sold. Minimum royalty payable by Medico Ltd. was fixed at Rs. 15,000 per annum with a right to recoup shortworkings in the following year. From the following details show the Royalty Receivable Account, the Royalty Payable Account and the Shortworkings Account, in the books of Dobsons Ltd.

|  | Dobsons Ltd. |  | Medico Ltd. |  |
| :--- | :---: | ---: | ---: | ---: |
|  | Sales <br> Rs. | Closing Stock <br> Rs | Production <br> Rs. | Closing stock <br> Rs. |
| $1^{\text {st }}$ year | 50,000 | 5,000 | 10,000 | 2,000 |
| $2^{\text {nd }}$ year | 70,000 | 8,000 | 18,000 | 4,000 |
| $3^{\text {rd }}$ year | $1,00,000$ | 10,000 | 25,000 | 5,000 |

19. Ram purchased a van for Rs. 42,000 . Payment is made as Rs. 10,000 down and four installments of Rs.10,000 each at the end of each year. Interest is charged at $10 \%$ per annum. Buyer depreciates the van at $10 \%$ per annum on written down value method. Ram after having paid the down payment and first installment at the end of first year, could not pay the second installment and the hire vendor took possession of the van. The hire vendor after spending Rs.1,280 on repairs of the van, sold it for Rs. 31,000. Show the Ledger Accounts in the books of both the parties, under both methods of accounting treatment.
20. Mr.S.Srinivasan of Salem commenced business on January 1, 1994, with a capital of Rs. 65,000 . His profit for the three years was Rs. 35,400; he did not prepare accounts for the next two years. His drawings averaged Rs.4,800 per annum. On December 31, 1998, an order of adjudication was made against him when his affairs were as follows:

Rs．
Building cost Rs．60，000，estimated to realise
20，000
Plant and machinery ：cost Rs．28，000，estimated to realise
10，000
Book debts：Good Rs．12，000；Doubtful Rs．4，000；
estimated to realise Rs．1，000
Bad debts 10，000
Bills receivable discounted and expected to rank 5,000
Preferential creditors $\quad 1,000$
Partly secured creditors（security：Life Policy estimated to 23,000
be worth Rs． 8,000 ）
Mortgage on buildings $\quad 10,000$
Unsecured creditors 40，000
Household furniture 3，000
Household Debts 2，000
Furniture：cost Rs．2，000，estimated to realise 800
Stock：cost Rs．16，000；estimated to realise 11，000
Cash in hand
200
Mr．S．Srinivasan gave up jewellery valued at Rs．2，500 to the Official Receiver．You are required to prepare the Statements of Affairs and the Deficiency Account from the above particulars．

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## VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST

(Autonomous \& Residential)
[Affiliated to Madurai Kamaraj University]
B. Com./B. Com. (CA) Degree (Semester) Examinations, November 2017

Part - III : Core Subject : Third Semester : Paper - II
INCOME TAX LAW \& PRACTICE - I
Under CBCS - Credit 4

## SECTION - A

Time: 3 Hours

Answer ALL Questions:
$(10 \times 1=10)$

1. An Individual stays in India for $\qquad$ days or more in a year, he is treated as resident.
a) 182 days
b) 180 days
c) 190 days
d) 185 days
2. Agricultural Income is $\qquad$ from Income tax.
a) Exempt
b) Taxable
c) Partly Taxable
d) All the above
3. After aggregating income under various head, losses are adjusted and the resultant figure is called $\qquad$ _.
a) Gross Total Income
b) Salary Income
c) Business Income
d) Capital Gains
4. Salary received as MPs and MLAs is taxable under the head $\qquad$ -
a) Salary
b) Business
c) Profession
d) Income from Other sources
5. Remuneration for lectures delivered outside India is taxable under the head $\qquad$ _.
a) Income from Other sources
b) Salary
c) Capital gains
d) Exempted
6. $\qquad$ means a person by whom any tax or any other sum of money is payable under the Income Tax Act.
7. Allowances and Perquisites paid or allowed outside India by the government to a citizen of India $\qquad$ from tax.
8. $\qquad$ year means the period of 12 months commencing on the $1^{\text {st }}$ day of April every year.
9. Voluntary surrender of salaries by employee is $\qquad$ from tax.
10. $\qquad$ rent fixed under rent control act.

## SECTION - B

## Answer ALL Questions: <br> $(5 \times 7=35)$

11.a) Write a short notes on i) Assessee ii) Previous Year. (OR)
b) Write short notes on i) Gross Total Income b) Person.
12. a) Define the term Agricultural Income.

## (OR)

b) Write short notes on " Gratuity ".
13.a) Mr.Balan left India for the first time on May 5, 2011. During the financial year 2016-2017, he came to India once on May 27 for a period of 53 days. Determine his residential status for the assessment year 2017-2018.
(OR)
b) A, a foreign citizen comes to India, for the first time in the last years on March 20, 2016. On Sep1, 2016, he leaves India for Nepal on a business trip. He comes back on Feb 26, 2017. Determine the residential status of A for the assessment year.
14.a) Gajenderan is entitled to a basic salary of Rs. 5,000 p.m and dearness allowance of Rs. 1000 o.m., $40 \%$ of which forms part of retirement benefits. He is also entitled to HRA of Rs.2,000 p.m. He actually pays Rs.2,000 p.m as rent for a house in Chennai. Compute the taxable HRA.

## (OR)

b) Mr.Surya was an employee of X Ltd., after 38 years of service, he retired on 29.02.2017. He was drawing a monthly salary of Rs.16,500 p.m. in 2014 and Rs.18,000p.m from 1.1.16 to 29.2.17. On retirement he received a gratuity of Rs. $5,00,000$. Compute taxable gratuity.
15. a) Findout the Gross Annual Value of a House Property.

Municipal valuation is Rs.80,000
Fair rent Rs.90,000
Standard Rent is Rs.75,000
Monthly rent of Rs.7,000
Vacant period was 2 months.

## (OR)

b) Following incomes are received by Mrs. Priya during financial year.
i) Honorarium received for writing articles in magazines Rs. 1000
ii) Income from agriculture in Srilanka Rs.2,500
iii) Ground Rent from land in Gwalior Rs. 5000
iv) Interest in P.O.S.B account Rs. 1,000
v) Interest on deposits with Industrial Finance Corporation Rs. 300
vi) Dividend from foreign company Rs. 350
vii) Rent from letting of building along with plant Rs.30,000 Repairs to above said plant Rs. 2000
viii)Winnings from Horse Race Rs. 100

You are required to calculate "Income from Other Sources" for the assessment year 2017-2018.

## SECTION - C

## Answer any THREE Questions:

$$
(3 \times 10=30)
$$

16. Define Income U/s 2 (24) and explain its features.
17. Explain any ten exempted incomes.
18. Mr. Anil earns the following income during the previous year 20162017. Compute his total income for Assessment year 2017-2018 if he is i) resident and Ordinarily resident, ii) resident but not ordinarily resident iii) Non-resident.

| Particulars | Amount(Rs.) |
| :--- | :---: |
| Profits from a business in Trichy managed from <br> Canada | 23,000 |
| Income from property in Canada received there | 36,000 |
| Income from agricultural land in Nepal received <br> there and remitted to India later on | 33,500 |
| Interest on debentures in an Indian company <br> received in Canada | 6,200 |
| Income from profession in Canada which was set up <br> in Patna, received there | 42,000 |
| Profits earned from business in Canada which is <br> controlled from Chennai, 25\% of the profits being <br> received in Chennai | 80,000 |
| Fees for technical services rendered in Patna but <br> received in Canada | 25,000 |
| Untaxed foreign income of earlier years brought to <br> India | 15,500 |
| Dividend from a Canadian company received in <br> Canada | 14,000 |
| Interest on Development Bonds issued in Canada, <br> $40 \%$ of interest received in Patna | 20,000 |

19．Mr．Munirathinam submits the following information regarding his salary income for the year 2016－2017．

Basic Salay Rs．10，000 p．m ；D．A（forming part of salary） $40 \%$ of basic salary ；City Compensatory Allowance Rs． 300 p．m．Children Education Allowance Rs． 400 p．m．per child for 3 children； Transport Allowance Rs． 1800 p．m．He is provided with a rent free unfurnished accommodation which is owned by the employer．The fair rental value of the house is Rs． 34,000 p．a．．Compute the gross salary assuming accommodation is provided in a city where population is exceeding 25 lakhs．
20．Kandhan submits the following information for the assessment year：
Income from business
－Rs．20，000

| ITEMS | House－A（Rs．） | House－B（Rs） |
| :--- | ---: | ---: |
| Municipal Valuation | 17,500 | 40,000 |
| Municipal taxes paid by tenant | 1,500 | 2,000 |
| Land revenue paid | 1,000 | 8,000 |
| Rent received | 19,000 | 34,000 |
| Insurance premium paid | 250 | 1,000 |
| Repairs paid by tenant | 250 | 9,000 |
| Interest on borrowed capital for <br> payment of Municipal tax of <br> house property | 100 | 200 |
| Nature of occupation | Let out for <br> residence | Let out for <br> business |
| Date of completion of <br> construction | 1.4 .1995 | 1.4 .1993 |

Determine the taxable income of Kandhan for the assessment year．

## VIVEKANANDA COLLEGE，TIRUVEDAKAM WEST

（Autonomous \＆Residential）
［Affiliated to Madurai Kamaraj University］
B．Com．Degree（Semester）Examinations，November 2017
Part－III ：Core Subject ：Third Semester ：Paper－III
COMPANY LAW AND SECRETARIAL PRACTICE
Under CBCS－Credit 4
Time： 3 Hours
Max．Marks： 75

## SECTION－A

## Answer ALL Questions：

$(10 \times 1=10)$

1. $\qquad$ is issued by the registrar of companies．
a）certificate of registration
b）certificate of incorporation
c）certificate of commencement
d）capital issue
2. $\qquad$ is the supreme document of a company．
a）memorandum of association
b）articles of association
c）prospectus
d）certificate of incorporation

3．A company must hold first annual general meeting within a period of not more than $\qquad$ months from the date of its incorporation．
a） 6 months
b） 9 months
c） 12 months
d） 18 months

4．The first auditor of a company may be appointed $\qquad$ ＿．
a）at the statutory meeting
b）by the board of directors
c）by the central government
d）by the promoters

5．Unpaid dividend will be transferred to special dividend account within $\qquad$ days from the date of expiry of 30 days．
a） 3 days
b）5days
c）7days
d） 9 days

6．The person who does the necessary preliminary work incidental to the formation of a company is known as $\qquad$ —．
7．Statement in lieu of prospectus must be filed with the registrar of companies＇at least $\qquad$ days before the allotment of shares．
8．A $\qquad$ is an authority to represent and vote for another person in a meeting．
9．The minimum number of directors in a public company must be $\qquad$ ．
10. $\qquad$ is declared and paid in between two Annual general meetings．

## SECTION－B

## Answer ALL Questions：

11．a）Explain the characteristics of a company．
（OR）
b）Explain the classification of a company on the basis of liability．
12．a）Distinguish between memorandum of association and an articles of association．
（OR）
b）What is preference share？Explain its kinds．
13．a）Explain the statutory duties of a company secretary．
（OR）
b）What are the different kinds of resolution？
14．a）Distinguish between managing director and a manager．
（OR）
b）write a short notes on statutory report．
15．a）What are duties of the company secretary regarding payments of dividends？
b）Write a short note on

## （OR）

i）Interim dividend
ii）Final dividend

## SECTION－C

## Answer any THREE Questions： <br> $(3 \times 10=30)$

16．Explain the different stages involved in the formation of a company．
17．Briefly discuss the various clause of memorandum of association．
18．What are the legal provisions for holding an annual general meeting of a company？
19．Define the term director．Explain the liabilities of a director．
20．Briefly explain the legal provisions regarding payment of dividends．

## COST ACCOUNTING

Under CBCS - Credit 5
Time: $\mathbf{3}$ Hours
Max. Marks: 75

## SECTION - A

## Answer ALL Questions:

( $10 \times 1=10$ )

1. Cost of sales plus profit is $\qquad$
a) selling price
b) values of finished goods
c) value of goods produced
d) values stocks
2. LIFO method of pricing material issued is more suitable when
a) material price are rising
b) material price are falling
c) material price are fluctuating
d) material price are unchanging
3. under valuation of closing stock in cost accounts
a) decrease costing profit
b) increase costing profit
c) decrease financial account profit
d ) Increase financial account profit
4. Contract costing is the most appropriate method of costing for
a) construction industry
b) banking industry
c) textile miles
d) cement industry
5. Cost of abnormal loss is shown in
a) balanced sheet
b) P \& L account credit side
c) P\& L account debit side
d).none of these
6. Total of direct cost is termed as $\qquad$ cost.
7. Taylor's wage payment method is called $\qquad$ piece rate system.
8. Allocation and apportionment of overhead to all the departments is known as $\qquad$ distribution.
9. Job cost is usually estimated on the basis of $\qquad$ .
10.Finished goods or products of a preceding processes $\qquad$ .

## SECTION - B

## Answer ALL Ouestions: <br> $(5 \times 7=35)$

11.a) What are the limitations of cost accounting? (OR)
b) The following data relate to the manufacture of a product during the month of January.

| Raw material consumed | Rs. 80,000 |
| :--- | :---: |
| Direct wages | Rs. 48,000 |
| Machine hours worked | 8,000 |
| Machine hours rate | Rs. 4 |
| Office overhead | $10 \%$ of work cost |
| Selling overhead | Rs. 1.50 per unit |
| Units produced | 4,000 |
| Units sold | 3,600 at Rs. 50 each |

Prepare a cost sheet and show (a) cost per unit and (b) profit for the period.
12. a) Calculate the normal, overtime wages payable to a workman from the following data

| Days | Hours worked |
| :--- | :---: |
| Monday | 8 |
| Tuesday | 10 |
| Wednesday | 9 |
| Thursday | 11 |
| Friday | 9 |
| Saturday | 4 |

Normal working hours: - 8 hours per day
Normal rate: - Rs.0.50
Overtime rate: Up to 9 hours in a day at single rate and over 9 hours in a day at double rate or up to 48 hours in a week at single rate and over 48 hours at double rate, whichever is more beneficial to the workman. (OR)
b) Calculate Maximum level, minimum level and re-order level from the following.

| $R e-$ order quantity | 1,500 units |
| :--- | :--- |
| $R e-$ order period | 4 to 6 weeks |
| Maximum consumption | 400 units per week |
| Normal consumption | 300 units per week |
| Minimum consumption | 250 units per week |

13.a) Amit Company has five departments $P, N, R, S$, are producing departments and T is a service department. The actual costs for a period are as follows:

|  | Rs |
| :--- | ---: |
| Repairs | 2,000 |
| Rent | 2,500 |
| Depreciation | 1,200 |
| Supervision | 4,000 |
| Insurance | 1,500 |
| Employer's liability of employees | 600 |
| Light | 1,800 |

The following data are also available in respect of the five departments:

|  | Dept. P | Dept. N | Dept. R | Dept. S | Dept. T |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Area Sq.Ft. | 140 | 120 | 110 | 90 | 40 |
| No.of <br> Workers | 25 | 20 | 10 | 10 | 5 |
| Total <br> Wages | 10,000 | 8,000 | 5,000 | 5,000 | 2,000 |
| Value of <br> Plant | 20,000 | 18,000 | 16,000 | 10,000 | 6,000 |
| Value of <br> Stock | 15,000 | 10,000 | 5,000 | 2,000 | - |

Apportion the costs to the various departments on the equitable basis.
(OR)
b)The financial books of a company show net profit of Rs.2,57,510 for the year ending $31^{\text {st }}$ December. The cost accounts show a net profit of Rs. $3,44,800$ for the same corresponding period. The following facts are brought to light.
Prepare a reconciliation statement.

|  | Rs |
| :--- | ---: |
| Under - recovery of factory overheads in cost A/c | 6,240 |
| Over - recovery of overheads in cost A/c | 3,400 |
| Depreciation in financial accounts | 22,400 |
| Depreciation in cost accounts | 25,000 |


| Interest on investments not included in cost | 16,000 |
| :--- | ---: |
| Loss of obsolescence charged in financial A/cs | 11,400 |
| Income tax debited in financial accounts | 80,600 |
| Bank interest and dividend credited to financial accounts | 2,450 |
| Loss in stock not charged in cost accounts. | 13,500 |

14. a) what is Job Costing? Explain its advantages. (OR)
b) From the following information of Vel construction ltd., prepare a Contract Account for 2009. The contract price was Rs.8, 00,000.
Materials issued from stores ..... 1,50,000Wages paid2,20,000General charges8,000
Plant installed at site on $1^{\text {st }}$ july 2009 ..... 40,000
Materials on hand at close ..... 8,000
Wages accrued due ..... 8,000
Work certified ..... 4,00,000
Work completed but not certified ..... 12,000
Cash received ..... 3,00,000
Materials transferred to other contracts ..... 8,000
Depreciation on plant is to be provided at $10 \%$ per annum ..... 2,000
15.a) Sun and co., produces a product through two processes ' $J$ ' and ' $K$ ' prepare the process accounts from the following details relating to March 2007.

Process

|  | Process |  | K |
| :--- | :---: | :---: | :---: |
|  | J | Rs. |  |
|  | Rs. | 15,000 |  |
| Material | 45,000 | 25,000 |  |
| Labour | 60,000 | 10,000 |  |
| Chargeable expenses |  | 5,000 |  |

b) Prepare Process Account from the following details:

Materials issued 1000 kgs @ Rs. 125 Wages Rs. 28,000
Overhead Rs. 8,000 Abnormal Loss 5\% of input
Output 900 Kgs

## SECTION - C

## Answer any THREE Questions:

16. Distinguish between cost accounting and financial accounting.
17. From the following particulars write up the priced Stores Ledger under Last - in first-out:

Dec 1 Stock in hand 500 units at Rs. 20
3 Issued 200 units
3 Purchased 150 units at Rs. 22
4 Issued 100 units
5 Purchased 200 units at Rs. 25
6 Issued 300 units
6 Returned to store 10 units (Issued on $4^{\text {th }} \mathrm{Dec}$ )
7 Issued 100 units
8 Issued 50 units
On $10^{\text {th }}$, it was noticed that there is a shortage of 10 units
18. A company has three production departments $\mathrm{A}, \mathrm{B}$ and C ad two service departments X and Y
The following particulars are available for January, concerning the organization.

|  | Rs. |
| :--- | ---: |
| Rent | 15,000 |
| Municipal taxes | 5,000 |
| Electricity | 2,400 |
| Indirect wages | 6,000 |
| Power | 6,000 |
| Depreciation on machinery | 40,000 |
| Canteen expenses | 30,000 |
| Other labor related costs | 10,000 |


| Particulars | Total | Production Departments |  |  | Service <br> Departments |  |
| :---: | ---: | ---: | :---: | :---: | ---: | ---: |
|  |  | B | C | X | Y |  |
| Floor space <br> （sq．mts） | 5,000 | 1,000 | 1,250 | 1,500 | 1,000 | 250 |
| Light point <br> （Nos） | 240 | 40 | 60 | 80 | 40 | 20 |
| Direct wages <br> （Rs） | 40,000 | 12,000 | 8,000 | 12,000 | 6,000 | 2,000 |
| Horse power of <br> machine Nos | 150 | 60 | 30 | 50 | 10 | - |
| Cost of <br> Machines（Rs） | $2,00,000$ | 48,000 | 64,000 | 80,000 | 4,000 | 4,000 |
| Working hours |  | 2335 | 1510 | 1525 | - | - |

The expenses of service departments are to be allocated in the
following manner：

|  | A | B | C | X | Y |
| :---: | :---: | :---: | :---: | :---: | :---: |
| X | $20 \%$ | $30 \%$ | $40 \%$ | - | $10 \%$ |
| Y | $40 \%$ | $20 \%$ | $30 \%$ | $10 \%$ | - |

You are required to calculate the overhead absorption rate in respect of the three production department．
19．M／s．Arun and Varun undertook a contract for Rs． $2,50,000$ for constructing a building．The following is the information concerning the contract during the year 2007.

## Rs．

Materials sent to site
Labour engaged on site 85，349
74，375
Plant installed at site at cost $\quad 15,000$
Direct expenditure 3，167
Establishment charges 4，126
Materials returned to stores 549
Work certified 1，95，000
Value of plant as on $31^{\text {st }}$ dec． $2007 \quad 11,000$
Cost of work not yet certified
4，500
Materials at site $31^{\text {st }}$ dec． 2007
1，883
Wages accrued $31^{\text {st }}$ dec． 2007
2，400
Direct expenditure accrued $31^{\text {st }}$ dec． $2007 \quad 240$
Cash received from contractee
1，80，000

Prepare contract account，contractee＇s account and show how the work in progress will appear in the balance sheet as on $31^{\text {st }}$ dec．2007．

20．A product passes through two processes and then to finished stock． The normal wastage of each process is as follows：

Process A 3\％and process B 5\％．
The wastage of process A was sold＠Rs． 5 per unit and that of process B at Rs ． 10 per unit．20，000 units were introduced into process A at the beginning of January 2007 at a cost at Rs． 40 per unit．
Other expenses were as under：

|  | Process A | Process B |
| :--- | ---: | ---: |
| Sundry materials | Rs． | Rs． |
| Wages | 40,000 | 60,000 |
| Manufacturing expenses | $2,00,000$ | $3,20,000$ |
|  | 30,000 | 28,500 |

The output of process A was 19,000 units of that process B 18，200 units．Prepare the Process Account，Normal Loss Account，Abnormal Loss Account，and Abnormal gain Account．

## SECTION－B

（Autonomous \＆Residential）
［Affiliated to Madurai Kamaraj University］
B．Com．／B．Com．（CA）Degree（Semester）Examinations，November 2017 Part－III ：Core Subject ：Fifth Semester ：Paper－II

## GOODS AND SERVICES TAX LAW

Under CBCS－Credit 5
Time： 3 Hours
Max．Marks： 75

## SECTION－A

## Answer ALL Questions：

$(10 \times 1=10)$

1. $\qquad$ represents a debt and the holder of the actionable claim enjoys the right to demand＂action＂against any person．
a）Address of delivery
b）Actionable claim
c）Address on record
d）Aggregate

2．A supply of a package consisting of canned foods，sweets， chocolates，cakes dry fruits supplied for a single price is a
$\qquad$ supply．
a）Mixed
b）Composite supply
c）Intra state
d）continuous
3. $\qquad$ means any goods other than capital goods used or intended to be used by a supplier in the course or furtherance of business．
a）Output
b）Tax
c）Input
d）Credit
4.
a）Revised invoice is also a tax invoice．
c）Debit note
b）Credit note
5. $\qquad$ means the tax payable under this Act \＆does note include interests，fees and penalty．
a）other dues
b）tax dues
c）Assessment d）Interests

6．Assessment is $\qquad$ ＿．
7. $\qquad$ is the rate of tax that is applicable on intra－state supplies
8．Input Tax is $\qquad$ －．
9. $\qquad$ is the claim of input tax．
10．Consumer welfare fund denotes $\qquad$ ．

## Answer ALL Questions：

$(5 \times 7=35)$
11．a）Explain the scope of supply？
（OR）
b）Explain the powers to enable officers to implement Law．
12．a）What will be the time of supply of goods？
（OR）
b）Who is responsible to pay taxes？Also mention the exceptions to it．
13．a）Explain the conditions for taking input tax credit．
（OR）
b）Explain the categories of supplies which will be mandatorily required to be registered．
14．a）Explain about the filling of return．
（OR）
b）Write short note on credit and debit notes．
15．a）Explain the tax deduction at source．
（OR）
b）Explain the period of retention of accounts．

## SECTION－C

## Answer any THREE Questions：

16．Explain the structure of GST．
17．How do we determine the rate of in case there is change in the tax rates？
18．Discuss the procedure for registration．
19．Explain the details be furnished regarding outwards supplies．
20．Explain about the payment of tax \＆interest．

## SECTION - B

[Affiliated to Madurai Kamaraj University]
B. Com. Degree (Semester) Examinations, November 2017

Part - III : Elective Subject : Fifth Semester : Paper - I
E-COMMERCE
Under CBCS - Credit 5
Max. Marks: 75

## SECTION - A

## Answer ALL Questions:

$(10 \times 1=10)$

1. Electronic commerce is the symbiotic Integration of
a) Application
b) Communication
c) Projects
d) Management'
2. Electronic Commerce requires
a) Low Configured Servers
b) High Configured Servers
c) Multimedia Storage
d) Magnetic tape
3. CPE refers to
a) Communication Premises Equipment
b) Coverage Premises Equipment
c) Customer Premises Equipment
d) All the above
4. Computer of customers cannot be linked to the terminal servers without a
a) software
b) hardware
c) Both (a) and (b)
d) Modem
5. A VAN is a communications network fact typically exchanges
a) FDI messages
b) EDI messages
c) CDI messages
d) YDI messages
6. Unprecedented growth of trade and commerce has been an increasing demand for $\qquad$ E-commerce.
7. Electronic Commerce needs $\qquad$ to transport the business documents.
8. Prodigy is the only service that reserves a part of almost every screen for $\qquad$ _.
9. To accept credit card orders a merchant will need a $\qquad$ .
10. Electronic data interchange is generally described as the transfer of
$\qquad$ .
(Autonomous \& Residential)
[Affiliated to Madurai Kamaraj University]
B. Com. Degree (Semester) Examinations, November 2017

Part - III : Elective Subject : Fifth Semester : Paper - II

## ADVANCED CORPORATE ACCOUNTING

Under CBCS - Credit 5
Time: $\mathbf{3}$ Hours
Max. Marks: 75

## $\underline{\text { SECTION - A }}$

## Answer ALL Questions:

$(10 \times 1=10)$

1. Profits earned by a subsidiary company after the date of acquisition of shares by the holding company are called $\qquad$ profits.
a) pre acquisition
b) post acquisition
c) good will
d) revaluation
2. Provision for income tax is shown in the bank accounts under the head
a) Borrowings
b) other liabilities
c) operating expenses
d) contingent liabilities
3. Claims paid by life insurance companies is shown in
a) Schedule 1
b) Schedule 2
c) Schedule 3
d) Schedule 4
4. Leasable ground rents are shown in $\qquad$ —.
a) Revenue Accounting
b) Profit \& Loss Accounting
c) Schedule \& investments
d) Schedule 9 loans
5. What is the name of the account showing profit and loss under double account system.
a) Income \& Expenditure Account
b) Income $A / c$
c) Revenue $A / c$
d) Net Revenue A/c
6. A $\qquad$ company is one which controls one or more other companies by means holding majority shares.
7. Banks in India are under the general supervision of the $\qquad$ .
8. The document which contains the terms and conditions of the contract of insurance is called $\qquad$ —.
9. Survey expenses paid in connection with claims should be included in the item $\qquad$ _.
10. Receipts and Expenditure on Capital A/c also known as $\qquad$ .

## SECTION - B

## Answer ALL Questions: <br> $(5 \times 7=35)$

11. a) How would you compute good will or cost of contract? (OR)
b) Calculate minority interest from the Balance Sheet of Mumbai Ltd :

## Balance Sheet of Mumbai Ltd., as o 31-12-1997

| Liabilities | Rs. | Assets | Rs. |
| :---: | :---: | :---: | :---: |
| Share Capital : |  | Sundry Assets | 10,00,000 |
| 7,00,000 shares of |  | Plant and Machinery | 7,00,000 |
| Rs. 2 each | 14,0,000 | Other assets | 1,50,000 |
| General Reserve as |  | Investments |  |
| On 1-1-97 | 6,00,000 | (80\% of Shares) | 6,50,000 |
| Creditors | 3,00,000 |  | ------------ |
| P\&L A/c as on 31-12-97 | 2,00,000 |  | 25,00,000 |
|  | 25,00,000 |  |  |

Madras Ltd., acquired $80 \%$ of the shares at Rs.6,50,000.
12. a) On $31^{\text {st }}$ March 1998, Bharat Commercial Bank Ltd., finds its advances classified as follows:

|  | Rs. |
| :--- | :--- |
| Standard assets | $14,91,300$ |
| Sub-standard assets | 92,800 |
| Doubtful assets (secured) |  |
| $\qquad$ : doubtful for one year | 25,660 |
| $\quad:$ doubtful for one year to 3 years | 15,640 |
| $\quad$ : doubtful for more than 3 years | 6,580 |
| Loss assets | 10,350 |

Calculate the amount of provision to be made by the bank against the above mentioned advances. (OR)
b) Write short notes on contingent liabilities and list down
13. a) A Life Insurance Company prepared Revenue $\mathrm{A} / \mathrm{c}$ for the year ended 31-3-2006 and ascertained its life assurance fund to be Rs.22,34,400. It has found later that the following had been omitted from the accounts

Interest accrued on investments
Rs.10,000
Outstanding premiums
Bonus utilized for reduction of premium
Claims intimated but not admitted
Claims covered under reinsurance
What is the true life assurance fund?

## (OR)

b) Compute the net premium to be create to Revenue $\mathrm{A} / \mathrm{c}$ from the following Data:

Premium received during the year ended 31.03.06
Reinsurance Premium Paid
Reinsurance Premium received
Bonus in reduction of Premium (not year adjusted)
14. a) From the following particulars prepare revenue account in respect of Fire Business for the year ending on 31-3-2016.

Reserve for unexpired risk-opening
2,50,000
Additional reserve-opening
Survey expenses
Commission paid
Claims paid and outstanding
Bad debts
(OR)
b) Prepare Revenue Account of the Marine insurance company Ltd as at $31^{\text {st }}$ March 2006 from the following information.

|  | (Rs. ‘000) |
| :--- | :---: |
| Reserve for unexpired risk (1-4-2005) | 496.6 |
| Additional reserve (1-4-2005) | 49.66 |
| Premiums less reinsurance | 720 |
| Claims outstanding (1-4-2005) | 160 |
| Claims paid | 470 |
| Commission | 35 |
| Expenses of management | 54 |
| Audit fees | 10 |
| Directors sitting fees | 3.4 |
| Depreciation | 5 |
| General charges | 12 |

Reserve for unexpired risk (1-4-2005)
Additional reserve (1-4-2005)
Claims outstanding (1-4-2005)
Claims paid
of management
Audit fees 10

| Directors sitting fees | 3.4 |
| :--- | :--- | :--- |

General charges

Outstanding claims due on $31^{\text {st }}$ March 2006 was Rs ('000) 60.
Additional reserve is to be maintained at $10 \%$ on Net premiums.
15.a) Write the special features of Double account System.
(OR)
b) The Pioneer Gas Co. rebuilt and re-equipped part of their works at a cost of Rs. $15,00,000$. The part of the old works thus superseded cost Rs $9,00,000$. Rs. 60,000 is realized by the sale of old materials and old materials valued Rs.2,000 are used in the reconstruction and included in the cost of Rs. $15,00,000$ mentioned above.
The cost of labour and materials is $20 \%$ higher now than when the old works were constructed. Give journal entries and prepare the necessary ledger accounts.

## SECTION - C

## Answer any THREE Questions:

$$
(3 \times 10=30)
$$

16. 'H' Ltd. Acquired $80 \%$ of the shares in 'S' Ltd on 1.1.96 on whch date 'S'

Ltd. Had Rs. 20,000 credit balance in it's Profit \& Loss Account.
The following position was revealed on 31.12.1997.

|  | H Ltd | S Ltd |
| :--- | :---: | :--- |
| Rs. | Rs. |  |
| Profit for the year 1997 | $20,00,000$ | 80,000 |
| P\&L Balance on 31.12.96 | $1,20,000$ | 70,000 |

S Ltd had not paid any dividend during the years 1996 and 1997.
You are required to prepare consolidated P\&L A/c for the year ended 31.12.97.
17. On $31^{\text {st }}$ December 1986. The following balances stood in the books of Asian Bank Ltd., after preparation of its profit and Loss Account.

Shared captal:
Issue and subscribed
Reserve fund (under section 17)
Fixed deposits
Savings bank deposits
Current accounts
Money at call and short notice
Investments
25,000
Profit and Loss Account (cr) ${ }^{\text {st }}$ Jan 1986
1,350
Dividend for 1985
Premises

| Cash in hand |  |  | 380 |
| :---: | :---: | :---: | :---: |
| Cash with RBI |  |  | 10,000 |
| Cash with other banks |  |  | 6,000 |
| Bills discounted and purchased |  |  | 3,800 |
| Loans, cash credits and over drafts |  |  | 51,000 |
| Bills payable |  |  | 70 |
| Unclaimed dividend |  |  | 60 |
| Rebate on bills discounted |  |  | 50 |
| Short loans (borrowing from other banks) |  |  | 4,750 |
| Furniture |  |  | 1,164 |
| Other assets |  |  | 336 |
| Net Profit for 1986 |  |  | 1,550 |
| Prepare balance sheet of the bank as on $31{ }^{\text {st }}$ December 1986. |  |  |  |
| The following balance are abstracted from the books of New Bharat Life |  |  |  |
| Life Assurance Fund | 15,000 | Claims paid during The |  |
| (1-4-2005) Premiums | 4,96,000 | year Annuities | 64,900 2,050 |
| Consideration for annuities granted | 15,000 | Bonus in reduction |  |
| Interest \& Dividends | 1,00,000 | of premiums | 1,600 |
| Fines for revival of policies | 750 | Medical fees | 2,400 |
| Reinsurance premium | 20,750 | Surrenders | 4,000 |
| Claims outstanding | 4,500 | Commission | 18,650 |
| (1.4.2005) |  |  |  |
|  |  | Management expenses | 22,000 |
|  |  | Income tax on dividends | 8,500 |

Prepare Revenue $\mathrm{A} / \mathrm{c}$ after making the following adjustments :

| i) Outstanding balances: | Rs. ('000) |
| :--- | ---: | ---: |
| Claims | 14,000 |
| Premiums | 4,600 |
| ii) Further bonus for premium | 2,400 |
| iii) Claim under reinsurance | 8,000 |

19. The books of Jai Prakash Insurance Co. Ltd. Contain the following information in respect of fire insurance as on 31.3.2003.
$\left.\begin{array}{|l|r|l|r|}\hline & \begin{array}{l}\text { (Rs. In } \\ \text { Thousands) }\end{array} & & \begin{array}{l}\text { Rs. In } \\ \text { Thousands) }\end{array} \\ \hline \begin{array}{l}\text { Provision for } \\ \text { unexpired risks } \\ (1.4 . .05)\end{array} & 80,000 & \begin{array}{l}\text { Refund of double } \\ \text { taxation }\end{array} & 600 \\ \begin{array}{l}\text { Estimated liability in } \\ \text { respect of }\end{array} & & \begin{array}{l}\text { Management } \\ \text { expenses }\end{array} & \\ \begin{array}{l}\text { Outstanding claims : } \\ \text { On 1.4.05 }\end{array} & 10,000 & \text { Interest \& Dividends } & 55,000 \\ \text { On 31.3.06 } & 15,000 & \begin{array}{l}\text { Legal expenses } \\ \text { Medical expenses }\end{array} & 1,000\end{array}\right)$

Additional reserve is to be increased by $10 \%$ of the net premium income. Prepare revenue A/c keeping the reserve for unexpired risks at 50\% of premium income.
20. City Electricity Ltd. Earned a profile of Rs. $8,45,000$ during the year ended $31^{\text {st }}$ March 2004 after debenture interest @ $71 / 2 \%$ on Rs.2,50,000. with the help of the figures given below, show the disposal of profits:
Original cost of fixed assets
1,00,00,000
Formation and other expenses
Monthly average of current assets (net)
Reserve Fund (represented by $4 \%$ Govt. securities)
Contingencies Reserve Fund Investments
Loan from Electricity Board
Total depreciation written off to date
Tariff and Dividend Control Reserve
15,00,000

Security deposits received from customers
Assume Bank Rate to be 6\%

## VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST

(Autonomous \& Residential)
[Affiliated to Madurai Kamaraj University]
B.A./B.Sc. Degree (Semester) Examinations, November 2017

Part - IV : NME Subject : First Semester : Paper - I
FUNDAMENTALS OF FINANCIAL ACCOUNTING
Under CBCS - Credit 2
Time: 2 Hours
SECTION - A
Max. Marks: 75

## Answer ALL Questions:

$(10 \times 1=10)$

1. Each transaction is first entered in the
a) Ledger
b) Journal
c) Trial balance
d) Balance sheet
2. Asset $\mathrm{A} / \mathrm{c}$ is a
a) Personal $\mathrm{A} / \mathrm{c}$
b) Real A/c
c) Expenses A/c
d) Personal or Real Account
3. The return of goods by a customer should be debited in:
a) Customer $\mathrm{A} / \mathrm{c}$
b) Sales return $\mathrm{A} / \mathrm{c}$
c) Goods A/c
d) Purchases A/c
4. Goods purchased is recorded in the books at
a) Market price
b) Purchase price
c) Sales price
d) Normal price
5. The return of goods to a supplier should be credited to:
a) Supplier A/c
b) Goods A/c
c) Purchase return $A / c$
d) Sales return $\mathrm{A} / \mathrm{c}$
6. What is book keeping?
7. What is invoice?
8. What is voucher?
9. What is trial balance?
10. What is Journal?

## SECTION - B

Answer ALL Questions: ..... $(4 \times 10=40)$11.a) What are the limitations of accounting?
b) Journalise the following transactions in the books of Mr . Bala.
2016, July 1 Bala commenced business with cash Rs. 50000
5 Purchased goods for cash Rs. 5000
7 Sold goods for cash Rs. 1000
15 Bought goods from Natesh Rs. 7000
31 Paid Raman Rs. 1000
12. a) Prepare Trading Account of Mr. Murugan for the year ending 31-12-2016 from the following information:

## Rs.

Opening Stock
15000
Purchase 50000
Purchase Return 1000
Sales 60000
Sales Return 500
Wages 700
Closing Stock 20000
(OR)
b) Distinguish between Double Entry System and Single Entry System.
13.a) Journalise the following transactions in the books of Mr. Ravi.
2016, August 1 Started business with cash Rs. 100000
7 Purchased goods from Bala Rs. 50000
11 Sold goods for cash Rs. 55000
28 Sold goods to Bharathi Rs. 10000
31 Paid salary by Cheque Rs. 20000 (OR)
b) Prepare Trading \& Profit Loss Account of Mr. Ravi for the year ending 31-12-2015 from the following information:

Rs.
Opening Stock 10000
Salary 500
Purchase 40000
Rent 1000
Sales 100000
Travelling Expenses 6000
Wages 500
Closing Stock 200000
Trading Expenses 12000
Carriage Inwards 400
Carriage Outwards 1000
14.a) From the following information, prepare Balance Sheet.

Rs.
Capital 500000
Sundry Creditors 50000
Debentures 200000
Sundry Debtors 100000
Assets 775000
Cash at Bank 25000
Other Liabilities 100000
Profit 50000
Loan(Cr.) 100000
Furniture 100000
(OR)
b) Distinguish between trial balance and balance sheet.

## SECTION - C

Answer any TWO Questions:

$$
\left(2 \times 12 \frac{1}{2}=25\right)
$$

15.Explain the accounting concepts and conventions.
16. Prepare Trading Account of Mr. Bharathi for the year ending 31-12-2016 from the following information:

|  | Rs． |  | Rs． |
| :---: | :---: | :---: | :---: |
| Opening Stock | 6000 | Sales | 235300 |
| Purchases | 112200 | Factory Rent | 1200 |
| Sales Returns | 300 | Factory Insurance | 1100 |
| Wages | 1200 | Freight Inwards | 1700 |
| Manufacturing Wages | 10000 | Office Expenses | 1500 |
| General Expenses | 2000 | Trade Expenses | 2000 |
| Miscellaneous Expense | es 1300 | Purchase Returns | 1500 |
| Closing stock valued at the end of 31－3－2016 Rs． 7000. |  |  |  |
| 17．From the following balances extracted from the books of |  |  |  |
|  | Rs． |  | Rs． |
| Capital account | 10000 | Loan from Lenin | 7000 |
| Plant \＆Machinery | 4000 | Return outwards | 500 |
| Sundry Debtors | 4000 | Rent | 400 |
| Sundry Creditors | 1200 | Sales | 16400 |
| Drawings | 1200 | Manufacturing Exp | nses 800 |
| Purchases | 10500 | Trade Expenses | 700 |
| Wages | 5000 | Bad debts | 200 |
| Bank | 1000 | Carriage | 150 |
| Repairs | 50 | Bills Payable | 700 |
| Stock 1．1． 2016 | 2000 | Motor car | 7000 |
| Discount（Cr．） | 1600 | Return inwards | 400 |
| 回回回回回 |  |  |  |

(Autonomous \& Residential)
[Affiliated to Madurai Kamaraj University]
B.Com. Degree (Semester) Examinations, November 2017

Part - IV : Skill Based Subject : Third Semester : Paper - I
QUANTITATIVE APTITUDE
Under CBCS - Credit 2
Time: $\mathbf{2}$ Hours
Max. Marks: 75

## SECTION - A

## Answer ALL Questions:

$(10 \times 1=10)$

1. $339.001+9.62+0.02+0.132+187=$ ?
a) 525.773
b) 535.723
c) 535.773
d) None
2. $8692-4739-79=$ ?
a) 3874
b) 3844
c) 3877
d) None
3. $123 * 11=$ ?
a) 1353
b) 1354
c) 1453
d) None
4. The L.C.M. of 87 and 145 is
a) 870
b) 1305
c) 435
d) None
5. L.C.M of $2 / 5,3 / 7$ is
a) $6 / 5$
b) $1 / 6$
c) 6
d) None
6. L.C.M. of $5^{-2}$ and $5^{-4}$ is:
a) $5^{-4}$
b) $5^{-2}$
c) $5^{-6}$
d) None
7. The H.C.F of 2923 and 3239.
a) 37
b) 73
c) 79
d) None
8. Find the H.C.F. of $2^{3} * 3^{2} * 5^{*} 7^{4}, 2^{2 *} 3^{5} * 5^{2} * 7^{3 *}, 2^{3 *} 5^{3} * 7^{2}$.
a) 960
b) 970
c) 980
d) None
9. Find the H.C.F of $2 / 3,8 / 9,16 / 81$ and $10 / 27$
a) $3 / 81$
b) $2 / 81$
c) $2 / 80$
d) None
10. The H.C.F. of $1.75,5.6$ and 7 is:
a) 0.07
b) 0.7
c) 35
d) None
11. The H.C.F. of $6^{3,} 6^{9}, 6^{10}, 6^{11}$ is
a) $6^{11}$
b) $6^{10}$
c) $6^{8}$
d) None
12. Arrange the fractions $5 / 8,7 / 12,13 / 16,16 / 29$ and $3 / 4$ in ascending order of magnitude
a) $5 / 8,3 / 4,7 / 12,13 / 16,16 / 29$
b) $16 / 29,7 / 12,5 / 8,3 / 4,13 / 16$,
c) $16 / 29,5 / 8,7 / 12,13 / 16$,
d) None
13. $5.064+3.98+.7036+7.6+.3+2$
a) 19.6476
b) 19.6576
c) 1.6555
d) None
14. Which of the following are in descending order in their value?
a) $11 / 17,5 / 9,7 / 11,8 / 15$
b) $5 / 9,7 / 11,8 / 15,11 / 17$
c) $11 / 17,7 / 11,5 / 9,8 / 15$
d) None
15. $\sqrt{21025}=$ ?
a) 144
b) 145
c) 146
d) None
16. $\sqrt{7225}=$ ?
a) 85
b) 86
c) 87
d) None
17. $170 / \sqrt{289} * 1 / 100=$ ?
a) 10
b) 0.01
c) 0.1
d) None
18. $\sqrt{36}+\sqrt{16}=$ ?
a) 22
b) 40
c) 10
d) None
19. $\sqrt{169} / 2 * 39 / \sqrt{196} * 14 / 169=$ ?
a) 13
b) 19.5
c) 1.5
d) None
20. $\sqrt{x} / 23=27 / 23$ then $x=$ ?
a) 27
b) 729
c) 579
d) None
21. Find the average of all prime numbers between 30 and 50
a) 39.8
b) 40.1
c) 40.5
d) None
22. Which one of the following is not a Prime number?
a) 31
b) 61
c) 71
d) None
23. When $0.232323 \ldots .$. is converted into a fraction, then the result is:
a) $1 / 5$
b) $2 / 9$
c) $23 / 99$
d) None
24.3,5,9,11,14,17,21
a) 21
b) 14
c) 13
d) None
24. The average of consecutive natural number from 20-76
a) 50
b) 28
c)
d) None
25. $87 \times 93=$ ?
a) 8089
b) 8090
c) 8091
d) None
$27.56 \times 79=$ ?
a) 4420
b) 4320
c) 4424
d) None
26. $55^{3}=$ ?
a) 165374
b) 166375
c) 167573
d) None
29.If $a, b, c, d, e$, are five consecutive odd numbers, their average is
a) $5(a+4)$
b) $\frac{a b c d e}{5}$
c) $5(a+b+c+d+e)$
d) None
27. The average of first 50 natural numbers is
a) 12.25
b) 21.25
c) 25.5
d) None
28. Express $6 \frac{3}{4}$ as a percent
a) $675 \%$
b) $676 \%$
c) $677 \%$
d) None
29. Express $56 \%$ as a fraction
a) $\frac{14}{25}$
b) $\frac{14}{26}$
c) $\frac{13}{25}$
d) None
33.2 is what percent of 50 ?
a) $3 \%$
b) $4 \%$
c) $5 \%$
d) None
30. Find the missing figures: $9 \%$ of? $=63$
a) 65
b) 68
c) 70
d) None
$\mathbf{3 5 . 4 5 \%}$ of $750-25 \%$ of $480=$ ?
a) 216
b) 217.50
c) 236.50
d) None
31. Half of 1 percent written as a decimal is
a) 0.005
b) 0.05
c) 0.02
d) None
32. A man buys an article for Rs. 27.50 and sells it for Rs. 28.60. Find his gain percent
a) $2 \%$
b) $3 \%$,
c) $4 \%$
d) None
33. If a radio is purchased for Rs. 490 and sold for Rs. 465.50 , find the loss percent
a) $5 \%$
b) $4 \%$
c) $3 \%$
d) None
34. Find Selling Price., when Cost price= Rs.56.25, Gain $=20 \%$
a) Rs. 65.5
b) Rs. 66.5
c) Rs. 67.50
d) None
35. Find the Cost Price., when Selling price $=$ Rs. 40.60 Gain $=16 \%$
a) Rs. 35
b) Rs. 45
c) Rs. 46
d) None
36. By selling an article for Rs. 100, a man gains Rs.15. Then, his gain $\%$ is
a) $15 \%$
b) $12 \frac{2}{3} \%$
c) $17 \frac{11}{17} \%$
d) None
37. A, B and C started a business by investing Rs. 120000, Rs. 135000 and Rs. 150000 respectively. Find the share of each, out of annual
profit of Rs. 56700 .
a) $4: 5: 6$
b) $8: 9: 10$
c) $8: 10: 12$
d) None
38. Reena and shaloo are partners in a business. Reena invests Rs.

35000 for 8 months and Shaloo invests Rs. 42000 for 10 months. Out of a profit of Rs.31570.Reenas share is
a) Rs. 9471
b) Rs. 12628
c) 18040
d) None
44. A, B and C start a business each investing Rs.20000. After 5 months A withdrew Rs. 5000, B withdraw Rs. 4000 and C invests Rs. 6000 more. At the end of the year, a total profit of Rs. 69900 was recorded. Find the share of A
a) Rs. 20600
b) Rs 20550
c) Rs. 20500
d) None
45. P and Q started a business investing Rs. 85000 and Rs. 15000 respectively. In what ratio the profit earned after 2 years be divided between P and Q respectively?
a) $3: 4$
b) $3: 5$
c) $17: 23$
d) None
46. Find the simple interest on Rs. 68000 at $16 \frac{2}{3} \%$ per annum for 9 months.
a) 8000
b) 8250
c) 8500
d) None
47. Find the simple interest on Rs. 3000 at $6 \frac{1}{4} \%$ per annum for the period from $4^{\text {th }}$ Feb., 2005 to $18^{\text {th }}$ April, 2005.
a) 37.25
b) 37.30
c) 37.50
d) None
48. Find compound interest on Rs. 7500 at $4 \%$ per annum for 2 years, compounded annully.
a) 8112
b) 8115
c) 8105
d) None
49. Divide Rs. 672 In the ratio 5: 3
a) $255: 255$
b) $253: 392$
c) $392: 252$
d) None
50. Divide Rs. 1162 among $A, B, C$ in the ratio 35:28:20
a) $490: 392: 280$
b) $490: 280: 392$
c) $392: 490: 280$
d) None
51. A does a work in 10 days and $B$ does the same work in 15 days. In how many days they together will do the same work?
a) 5 days
b) 6 days
c) 8 days
d) None
52. A can finish a work in 18 days and $B$ can do the same work in half the time taken by A. Then, working together, what part of the same work they can finish in a day?
a) $\frac{1}{6}$
b) $\frac{1}{9}$
c) $\frac{2}{5}$
d) None
53. A is twice as good a workman as B and together they finish a piece of work in 18 days. In how many days will A alone finish the work?
a) 27 days
b) 28 days
c) 29 days
d) None
54. A, B and C can complete a piece of work in 24, 6 and 12 days respectively. Working together, they will complete the same work in
a) $\frac{1}{24}$
b) $\frac{7}{24}$
c) $3 \frac{3}{7}$
d) None
55. Worker A takes 8 hours to do a job. Worker B takes 10 hours to do the same job. How long should it take both A and B, working together but independently, to do the same job?
a) $4 \frac{4}{9}$
b) $4 \frac{3}{9}$
c) $5 \frac{3}{7}$
d) None
56. Two pipes A and B can fill a tank in 36 hours and 45 hours respectively. If both the pipes are opened simultaneously, how much time will be taken to fill the tank?
a) 18 hours
b) 19 hours
c) 20 hours
d) None
57. Two pipes can fill a tank in 10 hours and 12 hours respectively while a third pipe empties the tank in 20 hours. If all the three pipes operate simultaneously, in how much time will the tank be filled?
a) $\frac{14}{2} \mathrm{hrs}$
b) $\frac{15}{2}$
hrs
c) $\frac{16}{2}$
hrs
d) None
58. How many minutes does Aditya take to cover a distance of 400 m , if he runs at a speed of $20 \mathrm{~km} / \mathrm{hr}$ ?
a) 75 sec
b) 73 sec
c) 72 sec
d) None
59. An athlete runs 200 metres race in 24 seconds. His speed of the car in metres per second?
a) $20 \mathrm{~km} / \mathrm{hr}$
b) $24 \mathrm{~km} / \mathrm{hr}$
c) $30 \mathrm{~km} / \mathrm{hr}$
d) None
60. Find the ratio in which rice at Rs. 7.20 a kg be mixed with rice at Rs. 5.70 a kg to produce a mixture worth Rs. 6.30 a kg ?
a) $1: 3$
b) $2: 3$
c) $3: 4$
d) None
61. In what ratio must a grocer mix two varieties of pulses costing Rs. 15 and Rs. 20 per kg respectively so as to get a mixture worth Rs. 16.50 per kg ?
a) $3: 7$
b) $5: 7$
c) $8: 3$
d) None
62. The value of $\log _{2} 16$ is
a) $\frac{1}{8}$
b) 4
c) 8
d) None

63．The value of $\log _{343} 7$ is
a）$\frac{1}{3}$
b）-3
c）$-\frac{1}{3}$
d）None

64．January 1， 2007 was Monday．What day of the week lies on Jan．1，2008？
a）Monday
b）Tuesday
c）Wednesday
d）None

65．On $8^{\text {th }}$ Dec， 2007 Saturday falls．What day of the week was it on $8^{\text {th }}$ Dec． 2006 ？
a）Sunday
b）Thursday
c）Friday
d）None

66．A clock is started at noon．By 10 minutes past 5，the hour hand has
turned through
a） $145^{0}$
b） $150^{\circ}$
c） $155^{\circ}$
d）None

67．At 3.40 ，the hour hand and the minute hand of a clock form an angle of
a） $120^{\circ}$
b） $125^{0}$
c） $130^{\circ}$
d）None

68．Find the cost of：Rs． $7200,8 \%$ stock at 90
a）Rs． 6500
b）Rs． 6490
c）Rs． 6480
d）None

69．Find the cost of：Rs． $4500,8.5 \%$ stock at 4 premium
a）Rs． 4680
b）Rs． 5680
c）Rs． 6680
d）None

70．In a throw of a coin，find the probability of getting a head
a）$\frac{1}{2}$
b）-3
c）$\frac{1}{3}$
d）None

71．Two unbiased coins are tossed．What is the probability of getting at most one head？
a）$\frac{3}{5}$
b）$\frac{3}{4}$
c）$\frac{3}{3}$
d）None

72．Find the odd man out： $3,5,7,12,17,19$
a） 19
b） 17
c） 12
d）None

73．Find the odd man out： $10,14,16,18,21,24,26$
a） 26
b） 24
c） 21
d）None

74．Find the odd man out ： $3,5,9,11,14,17,21$
a） 21
b） 17
c） 14
d）None

75．How many minutes does Aditya take to cover a distance of 400 m ，if he runs at a speed of $20 \mathrm{~km} / \mathrm{hr}$ ？
a） 75 sec
b） 72 sec
c） 70 sec
d）None

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## BUSINESS MATHEMATICS

Under CBCS - Credit 2
Time: $\mathbf{2}$ Hours
Max. Marks: 75

## SECTION - A

Answer ALL Questions:
$(10 \times 1=10)$

1. A set consisting of just one element is called
a) null set
b) single ton set
c) finite set
d) None of these
2. The value of $x^{1}$ is
a) 1
b) 0
c) $x$
d) none
3. If $A=\{1,2\} B=\{2,3,4\}$ then $A \cup B=$
a) $\{1,2,2,4\}$
b) $\{1,2,2,3,4\}$
c) $\{2\}$
d) None of these
4. Duplicate ratio of $2: 3$ is
a) $4: 9$
b) $8: 27$
c) $2: 3$
d) None of these
5. The value of $10^{-3}$ is
a) 0.001
b) 0.0001
c) 1000
d) 100
6. $\qquad$ refers to the chance of happening or non happening of an event.
a) Probability
b) Equations
c) Ratio
d) None of these
7. In a simultaneous throw of two coins, the probability of getting at least one head is:
a) $1 / 2$
b) $1 / 5$
c) $2 / 3$
d) $3 / 4$
8. The value of ${ }^{75} \mathrm{P}_{2}$ is
a) 2775
b) 150
c) 5550
d) None of these
9. Three unbiased coins are tossed. What is the probability of getting at most two heads?
a) $3 / 4$
b) $1 / 4$
c) $3 / 8$
d) $7 / 8$
10. In how many ways can the letters of the word 'LEADER' be arranged?
a) 72
b) 144
c) 360
d) 720

SECTION - B

## Answer ALL Questions:

$(4 \times 10=40)$
11.a) Out of 1200 students of a college 595 take coffee, 575 take tea, 670 take cigarette, 105 take coffee and tea, 290 take coffee and cigarette, 340 take tea and cigarette, 90 take all the three. How many students do not take any of them? How many take only alone of them.

## (OR)

b) i) If $\mathrm{A}=\{1,3,4,5\}$ and $\mathrm{B}=\{1,7,8,10\}$ Find AUB and $\mathrm{A} \cap \mathrm{B}$
ii) If $A=\{5,6,7,8,9,10\}, B=\{8,10,11,12\}, C=\{2,4,5,6,10\}$ find $\mathrm{A} \cap(\mathrm{BUC})$.
12. a) Divide Rs. 7154 among $A, B, C$ and $D$ so that the shares of $A$ and $B$ are in the ratio 2: 5 that of $B$ and $C$ in the ratio 4: 7 and that of C and D in the ratio 9: 13. Find the A, B, C and D's shares.
(OR)
b) If $A: B: C=1: 2: 3$ and $B: C: D=4: 6: 5$ find $A: D$.
13.a) In a simultaneous throw of a pair of dice, find the probability of getting a total more than 6 .

## (OR)

b) Two dice are thrown together. What is the probability that the sum of the numbers on the two faces is divisible by 4 or 6 ?

## SECTION - C

## Answer any TWO Questions: <br> $\left(2 \times 12 \frac{1}{2}=25\right)$

15.i) A textile business man sells on an average during Deepavali for Rs. 2,00,000 on Christmas for Rs. 1,50,000 and on Ramzan for Rs. 1,70,000. The statistical department report shows that the probable purchasing power would be $0.72,0.68$ and 0.85 during Deepavali, Christmas and Ramzan respectively. Find the expected sale for these three seasons.
ii) Find the value of
i) $2^{3} \times 2^{2} \times 4$
ii) $5^{10} \div 5^{8}$
16. The monthly salaries of two persons are in the ratio $3: 5$. If each receives an increase of Rs. 20 in the monthly salary the ratio is altered to $13: 21$. Find their salaries.
17.i) Find the value of (a) ${ }^{10} \mathrm{C}_{3}$
(b) ${ }^{100} \mathrm{C}_{98}$
(c) ${ }^{40} \mathrm{C}_{40}$
ii) Solve $+6 x+4=0$.
b) Solve $2 \mathrm{x}+4 \mathrm{Y}=8 ; \mathrm{x}-2 \mathrm{y}=2$.
(i) ${ }^{60} \mathrm{P}_{3}$
(ii) ${ }^{4} \mathrm{P}_{4}$

## (OR)

14.a) Find the value of
B. Com./B. Com. (CA) Degree (Semester) Examinations, November 2017 Part - III : Core Subject : Fifth Semester : Paper - II
I. Write the MEANINGS in Tamil or English: $5 \times 1 / 2=2^{1 / 2}$ निम्नलिखित शब्दों के अर्थ तमिल या अंग्रेजी में लिखिए:
1 विवाह
2. उन्नति
3. सरकार
4. पढाई 5. सासन
II. Write the OPPOSITES any FOUR of the following Terms :

$$
4 x^{1 / 2}=2
$$

किसी चार के उल्टे अर्थवाले शब्द लिखिए:

1. अपना
2. जन्म
3. सम्मानित 4. उन्नति
III. Fill in the blanks: खाली जगहों को भरिए : $4 \times 1=4$
4. राजीव गाँधी का उकतूबर 1984 को भारत के $\qquad$ बने।
5. राजीव गाँधी का माता का नाम है।
6. राजीव गाँधी की $\qquad$ षिक्षा घर पर ही हुई।
7. राजीव गाँधी को की उपाधि दी गयी।
IV.Match the following: वाक्यों को मिलाइए : $5 \times 1 / 2=2^{1 / 2}$
8. राजीव की माता का नाम
सोनिया से हुआ।
9. राजीव के पिता का नाम

प्रियंका है।
3. राजीव का विवाह

राघुल गाँधी है।
4. राजीव के बेटे का नाम ... फिरोष गाँधी है।
5. राजीव की बटी का नाम ... इंदिरा गाँधी है।
V. Write any THREE of the following questions: $3 \times 2=6$

निम्नलिखित प्रष्नों से किसी तीन के जवाब दीजिए:

1. राजीव गाँधी की प्रारंभिक षिक्षा कहाँ हुई?
2. राजीव गाँधी का विवाह किससे हुआ?
3. राजीव गाँधी को 'भारत रत्न' की उपाधी कब दी गयी?
4. रीजव गाँधी ने इंजिनीयरिंग की पढाई कहाँ की?

## VI.Explain any ONE of the following poem: <br> $1 \times 3=3$

निम्नलिखित पद्यों में किसी एक का भावार्थ लिखिए:
मछली से सीखो
स्वदेष के लिए तडप तडपकर मरना
पतझड के पेडों से सीखो
दुख में धीरज धरना
(OR)
झर-झर, झर-झर झरता झरना
आलस कभी न करता झरता।
थक्कर कभी न सोता झरता
प्यास सभी की धरता झरता।
VII. Write the meanings in English: $\quad 6 \times 1 / 2=3$

किसी छे अंग्रेजी शब्दों की हिन्दी शब्द लिखिए:

1. आयात
2. तिरीक्षड
3. बीजक
4. अनुच्छेद
5. जीवन बवता निगय
6. पूछताछ
VIII. Write the meanings in Hindi:
$6 \times 1=6$
किसी छे अंग्रेजी शब्दों की हिन्दी शब्द लिखिए:
7. Labour
8. Interview
9. Gazetted
10. Heading
11. Emergency
12. General Manager
IX.Change the Gender :
$6 \times 1 / 2=3$
13. बेटा
14. सेवक
15. नर
16. पंडित
17. साहब
18. पुरुष
X. Change the Number (Singular - Plural): $\quad 4 \times 1 / 2=2$
19. किताब
20. बकरा
21. नदी
22. भाषा
XI.Write a letter to the Manager, Sarvodaya Ilakkiya Pannai, Madurai for the supply of text books. 5 marks पाठ्य पुस्तकें वितरण करने के लिए व्यवस्थापक, सर्वोदय इलक्किय पण्णै, मदुरै को एक पत्र हिन्दी में लिखिये।
XII. Write in words: $\quad 4 \times 1 / 2=2$
23. $18^{1 / 4}$
24. $231 / 2$
25. $283 / 4$
26. 30
XIII. Translate into Tamil or English: तमिल या अंग्रेजी में

अनुवाद कीजिए:

1. लडकी गा रही है।
2. मैं पाठ याद कर रही हूँ।
3. नौकर सामान लाएगा।
4. आज गोपाल यहाँ आएगा।

## XIV．Translate into Hindi：हिन्दी में अनुवाद कीजिए： $4 \times 1=4$

1．தையற்காரன் துணி தைத்துக் கொண்டிருக்கிறான்．（The tailor is stitching clothes）．
2．நான் மைதானத்தில் விளையாடுவேன்．（ I shall play in the playground）．
3．நாங்கள் தோட்டத்தில் வேலை செய்வோம்．（We shall work in the garden）．
4．கமலா வீணை வாசித்துக் கொண்டிருக்கிறாள்．（Kamala is playing on the veena）．

## XV．Read the following passage and answer the questions ：

$3 \times 1=3$
निम्नलिखित वाक्यांष से प्रष्नों के उत्तर दीजिए：
एक मुरगी थी। असके कई बच्चे थे। उनमें एक बच्चे का नाम
था चुनमुन। एक दिन चुनमुन घूमने निकला। घूमते घूमते वह एक
घर के पास पहुँचा। वहाँ एक छोटा－सा लडका खल रहा था।
लडका नीले रंग की कमीजत्र में सुन्दर लगता था। कमीज़ बहुत
सुन्दर थी। चुनमुन कमीज़ को देखते ही रह गया।
Questions ：प्रष्न ：
1．मुरगी के कितने बच्चे थे？
2．बच्चे का नाम क्या था？
3．कमीज़ कैसी थी？

