

RAMNIRANJAN JHUNJHUNWALA COLLEGE (Autonomous), GHATKOPAR (W), MUMBAI -86

FYBA/BCom

**S E M E S T E R - I**

EXAMINATION OCT./NOV. 2018

**SUBJECT :- FOUNDATION COURSE- I**

**DAY: Friday**

**TIME: 08.00 am TO 10.00 am**

**DATE: 26/10/2018**

**MAX MARKS: 60**

N.B: 1) All questions are compulsory.

2) All questions have internal choice.

3) All questions carry equal marks.

4) Figures to the right indicate full marks.

Q.1. Discuss the multicultural diversity of Indian society. (15)

OR

Q.1. Explain the regional variation in India according to rural and urban characteristics. (15)

Q.2. Discuss the causes for gender disparity and violence against women in India. (15)

OR

Q.2. Define communalism and explain the factors responsible for growth of communalism in India. (15)

Q.3. State and explain the features of Indian Constitution. (15)

OR

Q.3. Enumerate the fundamental duties as mentioned in the Indian Constitution. (15)

Q.4. Write a detailed note on urban local selfgovernment in India. (15)

OR

Q.4. Bring out the role and significance of women in politics. (15)

\*\*\*\*\*

RAMNIRANJAN JHUNJHUNWALA COLLEGE (Autonomous), GHATKOPAR (W), MUMBAI -86

FYBCom **S E M E S T E R - I** EXAMINATION OCT./NOV. 2018

**SUBJECT :- MATHEMATICAL & STATISTICAL TECHNIQUES – I**

DAY: Thursday

TIME: 08.00 am TO 10.00 am

DATE: 01/11/2018

MAX MARKS: 60

- N.B.
- 1) All questions are compulsory.
  - 2) Figures to the right indicate marks.
  - 3) Graph papers will be supplied on request.
  - 4) Use of simple calculator is allowed.
  - 5) Answers to both the sections must be written on separate answer books and then tied together.

Section I

Q.1 Attempt any TWO from the following.

- a)
  - (i) Find how many shares can be bought for Rs.1170 when the price of a Rs.10 share of a company is Rs.13 in the market. (06)
  - (ii) If the shares in a company stand at Rs.125 each, how many shares can be bought for Rs.8625 ?
- b) Mr.Ramu invests Rs.15,840 on buying shares of face value Rs.50 selling at a premium of Rs.10. The company pays a 15 % dividend annually . (i) Find the dividend he receives annually (ii) find the rate of return from his investment. (06)
- c) If a fund NAV was Rs.20 at the beginning of the year and Rs.22 at the end of the year, Find the absolute change and percentage change in NAV. (06)
- d) Ram purchases units of kotak fund at Rs.35.45 and NAV at the year end is Rs.49.59. This fund paid dividend of Rs.8.25 per unit . Find the total returns of Ram. (06)

Q.2 Attempt any TWO from the following.

- a)
  - (i) Find  $\frac{6!}{4! \times 2!}$  (06)
  - (ii) Find How many seating arrangements can be made for 5 students on 2 chairs?
  - (iii) Find  ${}^{30}C_{29}$

- b) A dealer deals in two items , Hard discs and Pen drives. He has Rs.50,000 to invest and space to store 60 pieces .One hard disc costs him Rs.2,500 and one pen drive costs Rs.500. If the profit per hard disc is Rs.1,000 and per pen drive is Rs.150. Formulate the above problem as a L.P.P. so as to maximise the profit. (06)
- c) Minimize  $z = 25x + 10y$  (06)  
 Subject to  $10x + 2y \geq 20$   
 $5x + 5y \geq 30, x \geq 0, y \geq 0$   
 Solve the above L.P.P. graphically.
- d) Maximize  $z = 2x + 3y$  (06)  
 Subject to  $2x + 4y \leq 20$   
 $2x + 2y \leq 12, x \geq 0, y \geq 0$   
 Solve the above L.P.P. graphically.

SECTION II

Q.3 Attempt any TWO from the following.

a) Calculate Median and Mode for the following data: (06)

Age in years	0 - 20	20 - 40	40 - 60	60 - 80	80 - 100
No. of persons	4	5	15	11	5

b) Find  $Q_2$ ,  $D_5$  and  $P_{50}$  for the following data: (06)

x	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55
f	12	28	36	50	25	18	16	10	05

c) Find mean and standard deviation for the following data : (06)

x	8	10	12	14	16
f	5	13	20	15	7

d) There are two groups of children having 50 and 70 children respectively. The arithmetic means of weights of the children in the two groups are 30 kgs and 40 kgs with standard deviations 16 kgs and 5 kgs respectively. Find the combined mean and standard deviation of the entire group of children. (06)

Q.4 Attempt any TWO from the following.

a) There are 3 doctors, 4 engineers, 2 Statisticians and 1 Economist. A committee of 4 from among them is to be formed. Find the probability that the committee consist of i) one of each kind ii) At least one doctor iii) Economist as a member and 3 others. (06)

b) A committee of 5 is to be formed from a group of 8 boys and 7 girls. Find the probability that it consist of i) 3 boys and 2 girls ii) at least four boys. (06)

c) Two coins are tossed, find the probability of getting i) All tails ii) Exactly one head iii) At least one tail (06)

d) For the following probability distribution, find the value of K. Also find  $E(X)$  and  $V(X)$ . (06)

X	1	2	3	4	5
P(X)	0.15	0.3	0.25	K	0.1



Q.5 Attempt Any TWO from the following.

- a) A bakery has observed the following demand pattern for cakes produced in his bakery. (06)

No. of cakes in demand	20	21	22	23
Probability	0.05	0.25	0.30	0.40

The cost of producing one cake is Rs. 12 per cake and the selling price is Rs.20 per cake. Use EMV criterion to determine how many cakes the bakery man should produce so as to maximize his profit.

- b) From the following payoff table, determine the best possible act by using (06)  
 i) Maximin Criterion ii) Maximax Criterion iii) Laplace Criterion

Course of Action	State of Nature		
	$S_1$	$S_2$	$S_3$
$A_1$	21	18	22
$A_2$	-5	18	19
$A_3$	20	-4	18

- c) For the following pay off table, suggest the best decision by Expected Opportunity Loss (EOL) method. (06)

Course of Action	State of Nature		
	$S_1$	$S_2$	$S_3$
$A_1$	14	16	10
$A_2$	12	15	16
$A_3$	20	18	14
Probability	0.4	0.3	0.3

- d) Draw a decision tree for the following decision making problem and the best decision: (06)

Course of Action	State of Nature		
	$S_1$	$S_2$	$S_3$
$A_1$	34	20	37
$A_2$	12	16	12
Probability	0.2	0.3	0.5

RAMNIRANJAN JHUNJHUNWALA COLLEGE (Autonomous), GHATKOPAR (W), MUMBAI -86

FYBCom **SEMESTER - I** EXAMINATION OCT./NOV. 2018

**SUBJECT :- BUSINESS ECONOMICS**

Micro Economics-01

DAY: Tuesday

DATE: 30/10/2018

TIME: 08.00 am TO 10.00 am

MAX MARKS: 60

Note: 1. All questions are compulsory.

2. Figures to the right indicate marks.

Q.1 Attempt any two of the following.

12 Marks

- Define business economics. Discuss its scope.
- Explain the significance of variables and functions in economic analysis.
- Complete the following table and determine the equilibrium price.

Price per Kg of Wheat (Rs.)	Quantity demanded (Kg.)	Quantity supplied (Kg.)	Surplus or shortage
44	95	82	
47	90	83	
50	85	85	
53	80	87	
56	75	89	
59	70	91	

Q.2 Attempt any two of the following.

12 Marks

- Discuss in detail Law of demand.
- Explain different types of price elasticity of demand.
- What is demand forecasting? Explain the significance of demand forecasting.

Q.3 Attempt any two of the following.

12 Marks

- A. Explain the concept of Isoquant. What are the properties of Isoquants?
- B. 'The firm can maximize its profits by employing the factors in optimal combinations at which the cost of production will be minimum.' Explain.
- C. What is production function? Discuss fixed proportions and variable proportions production function.

Q.4 Attempt any two of the following.

12 Marks

- A. Explain following types of costs:
  - i. Money Cost and Real Cost
  - ii. Accounting Cost and Economic Cost
- B. Use suitable formulae and complete the following table.

Quantity	TFC	TVC	TC	AFC	AVC	AC	MC
0			60				
1			100				
2			120				
3			162				
4			236				
5			360				
6			500				
7			650				

- C. Discuss the concept of 'Break - even point' with a suitable diagram.

Q.5 Write short notes on any two of the following.

12 Marks

- A. Individual demand and market demand
  - B. Steps in demand forecasting
  - C. Expansion path
  - D. Behaviour of total costs in the short run
-

**RAMNIRANJAN JHUNJHUNWALA COLLEGE (Autonomous), GHATKOPAR (W), MUMBAI -86**

**FYBCom**

**S E M E S T E R - I**

**EXAMINATION OCT./NOV. 2018**

**SUBJECT :- BUSINESS COMMUNICATION -I**

**DAY: Wednesday**

**TIME: 08.00 am TO 10.00 am**

**DATE: 31/10/2018**

**MAX MARKS: 60**

- Note: 1. All questions are compulsory.  
2. Figures to the right indicate marks.

**Q.1. Attempt any three Short Notes of the following:**

**15 marks**

- Process of communication.
- Warning as an objective of communication.
- Importance of Body Language in Non- Verbal Communication.
- Grapevine as an informal channel of communication.

**Q.2.i) Answer any one of the following questions:**

**10 marks**

- Explain how Psychological barriers can hamper communication. What steps can be taken to overcome these barriers?
- Examine the importance of listening in communication. How will you develop good listening Skills?

**ii) Write a Short note on any one of the following:**

**5 marks**

- Facebook as a popular social networking site.
- What's App - Advantages and Disadvantages.

**Q.3. Attempt Any Three of the following:**

**15 marks**

- A clerk from your company has applied for the post of an Assistant manager in a bank. He has mentioned you as one of the referees in his application. Draft a letter of recommendation for him.
- Sara has been appointed as a Reporter by a leading television news channel. Draft her letter of acceptance of job offer.
- Devi finds no time for her studies because of her busy work schedule in office. Since she wants to pursue her studies, it won't be possible for her to continue with the job. Draft her resignation letter.
- Sania's has artistic flair and a unique aesthetic sense. Therefore, she has decided to do a course in Interior Designing from Texas University. Write her Statement of Purpose.



Q.4. a. Draft a job application letter and a resume in response to the following advertisement:

10 marks

"Wanted a young and dynamic Sales Manager in a leading business house in Mumbai. Candidate must be a graduate in Commerce with excellent communication skills. Apply with resume to box A-1044 , Times of India, Mumbai- 400001."

b. Read the following case study and answer the following questions:

Bharti Shah had worked for an American firm in the past and then she shifted to India. Later on, she joined Fortune Mutual Funds in Mumbai. As the head of the Sales team, she had to regularly give task-based instructions to her juniors. However, she would always end up feeling frustrated as she thought that her juniors could not follow simple instructions. One of her colleagues pointed out that her American accent could not be understood by most of the employees. Thereafter, she started speaking slowly; repeated the instructions again and again and gave them written orders to ensure clarity. Now, she found that her juniors obediently followed her instructions.

1. Identify the barrier. How was it caused? 2 marks
2. Why did Bharti feel frustrated? 1 mark
3. What steps did she take to solve the problem? Suggest any other means by which she could have resolved the problem. 2 marks

RAMNIRANJAN JHUNJHUNWALA COLLEGE (Autonomous), GHATKOPAR (W), MUMBAI –86

FYBCom

**S E M E S T E R - I**

EXAMINATION OCT./NOV. 2018

**SUBJECT :- COMMERCE - I**

DAY: Saturday

DATE: 27/10/2018

TIME: 08.00 am TO 10.00 am

MAX MARKS: 60

- Note:- 1. All questions are compulsory.  
2. Figures to the right indicate maximum marks.

Q.1. Answer any one of the following: [10]

- Give the meaning of 'Business'. Explain its features.
- Explain the Economic and Social Objectives of Business.

Q.2. Answer any one of the following: [10]

- Describe the constituents of External Environment of Business.
- Write a detailed note on Trading Blocs.

Q.3. Answer any one of the following: [10]

- What is Project Report? Explain the need of a Project Report.
- Discuss the role of Government in Promotion of Business.

Q.4. Answer any one of the following: [10]

- What is 'Entrepreneurship'? Explain its importance.
- Explain the problems faced by Women Entrepreneurs.

Q.5. Write short notes on any four: [20]

- Aids to Trade.
- Strategy Alternatives in changing scenario.
- WTO Functions.
- SWOT Analysis.
- Factors determining Business Location.
- Types of Entrepreneurs.

---XXX---

RAMNIRANJAN JHUNJHUNWALA COLLEGE (Autonomous), GHATKOPAR (W), MUMBAI -86

FYBCom **SEMESTER - I** EXAMINATION OCT./NOV. 2018

**SUBJECT :- ACCOUNTANCY AND FINANCIAL MANAGEMENT - I**

DAY: Thursday

TIME: 08.00 am TO 10.00 am

DATE: 25/10/2018

MAX MARKS: 60

- Note : 1. All questions are compulsory.  
2. Each question carry 15 marks  
3. Use of simple calculator is allowed.

Q1. RJ Chemicals has the following Trial Balance as on 31<sup>st</sup> March, 2018

(15)

Particulars	Debit (Rs.)	Credit (Rs.)
Goodwill	50,000	
Factory Shed	20,000	
Machinery	1,30,000	
Furniture	8,000	
Investments	10,000	
Capital		1,95,000
Bank Loan		3,00,000
Creditors		1,50,000
Debtors	1,35,000	
Stock (01/04/2017)		
- Materials	1,30,000	
- Work – in – Progress	7,500	
- Finished Goods	82,500	
- Sales		11,00,000
Miscellaneous Income		4,000
Bad Debts Reserve		5,000
Purchase of Materials	8,60,000	
Freight on Materials	50,000	
Factory Power	15,000	
Salaries and Wages		
- Factory	1,50,000	
- Office	65,000	
Repairs and Renewals	2,500	
Rent and Taxes	16,500	
Insurance	3,900	
General Expenses	18,100	
	17,54,000	17,54,000

The following additional information is available:

1. Closing stock : Raw Materials Rs. 2,10,000 ; Work-in-progress Rs. 12,500 and Finished goods Rs. 2,07,500.
  2. Depreciation to be provided at 2.5% on Factory Shed, 10% on Machinery and 15% on Furniture.
  3. Repairs and Rent and taxes are to be apportioned between Factory and Office in the ratio of 3:2.
  4. Reserve for Bad Debts to be provided at 4% on debtors.
  5. Insurance premium covers a period of one month in advance
- You are required to prepare Manufacturing, Trading and Profit & Loss A/c for the year ended 31<sup>st</sup> March, 2018 and Balance Sheet as on that date.

OR

Q1. From the following Trial Balance of Ace Enterprises, prepare Manufacturing A/c, Trading and P&L A/c for the year ended 31<sup>st</sup> December, 2017 and the Balance Sheet as on that date (15)

Particulars	Debit(Rs.)	Particulars	Credit(Rs.)
Drawings	30,000	Capital	5,00,000
Manager's salary	6,000	Sundry creditors	1,00,000
Cash	2,000	Laon	80,000
Bank	35,000	Reserve for bad debts	6,000
Sundry debtors	95,000	Purchase returns	7,000
Patents	4,000	sales	2,64,000
Plant and machinery	1,00,000		
Land and building	2,00,000		
Extension to buildings	20,000		
Legal charges for acquisition of buildings	5,000		
Purchases of raw materials	1,00,000		
Stock as on 1 <sup>st</sup> January, 2017:			
- Raw materials	40,000		
- Work-in-progress	75,000		
- Finished goods	95,000		
Carriage inward	8,000		
Wages and salaries	90,000		
Factory expenses	8,000		
Factory rent and rates	10,000		
Office expenses	5,000		
Printing and stationery	10,000		
Discount	6,000		
Advertisement	5,000		
bad debts	4,000		
goodwill	4,000		
	9,57,000		9,57,000



Adjustments :

1. On 31<sup>st</sup> December, 2017 stocks were valued as : Raw materials Rs. 50,000; Work-in-progress Rs 80,000 and Finished goods Rs. 1,00,000.
2. Outstanding expenses : advertisement Rs. 500 and printing Rs. 300.
3. Stock of stationery on hand Rs. 1,000 on 31<sup>st</sup> December, 2017.
4. Depreciate plant and machinery at 10% and Patents at 20%
5. Increase reserve for bad debts by Rs. 3,000.
6. Interest on loan Rs. 1,000 is still unpaid.

Q2. Calculate by FIFO method and Weighted Average Cost method of inventory valuation, the cost of goods sold and value of closing inventory from the following data : (15)

Date	Transactions	Units	Price per unit (Rs.)
01/01/2017	Opening stock	1,500	20
05/02/2017	Purchases	750	25
10/03/2017	Purchases	600	22
15/03/2017	Sales	1,800	30
12/04/2017	Sales	750	31
16/05/2017	Purchases	600	25
25/06/2017	Sales	750	32

OR

Q2. The following are the details of Acme mills (15)

01/01/2014	opening stock	nil
01/01/2014	purchases	100 units @ Rs. 30 per unit
15/01/2014	issued	50 units
01/02/2014	purchases	200 units @ Rs. 40 per unit
15/02/2014	issued	100 units
20/02/2014	issued	100 units
01/03/2014	purchases	150 units @ Rs. 50 per unit
15/03/2014	issued	100 units

Find out the value of stocks as on 31/03/2014 if the company follows :

(a) First in first out basis; (b) Weighted average basis.

Q3. State which of the following expenses/incomes are capital or revenue. (15)

Give reasons:

1. Expenditure incurred on overhauling machinery.
2. Taxes paid.
3. Wages paid to the workers for erection of a new machinery.

4. Cost of goodwill purchased.
5. Heavy expenditure incurred on advertisement.
6. Cost of construction of a building.
7. Machinery costing Rs. 10,000 sold for Rs. 12,000

OR

Q3. State whether the following expenditures is a capital or revenue. (15)

Give reasons:

1. Payment for purchase of goods.
2. Payment for purchase of stationery.
3. Payment for purchase of a car.
4. Payment for purchase of mining rights.
5. Partial refund of capital to a partner.
6. Payment of a loan taken earlier.
7. Payment of salaries.

Q4. A Mini bus is purchased for Rs.75,000 (Cash Price) under hire purchase agreement (15)  
on 1-1-2010. The amount payable is Rs. 15,000 on entering the agreement and the  
balance in three annual instalments of Rs. 20,000 plus interest at 15% per annum, at  
end of each year. Depreciation is charged at 10% on written down value method.  
Show the asset account, depreciation account and hire vendor's account in the books of  
the purchaser for the years 2010, 2011 and 2012.

OR

Q4. Mr. Gupta purchased machinery under hire purchase arrangements from (15)  
Mr. Pankaj on 01/01/2015. The cash price of the machinery was Rs. 5,96,000. The  
payments for the purchase, is to be made as under:  
On signing the agreement Rs. 1,60,000; balance in 3 equal annual instalments of Rs.  
1,60,000 per annum, at the end of each year. Vendor's charge interest @ 5% p.a.  
Prepare the necessary ledger accounts in the books of Mr. Gupta for the years 2015,  
2016 and 2017.

RAMNIRANJAN JHUNJHUNWALA COLLEGE (Autonomous), GHATKOPAR (W), MUMBAI -86

FYBCom

SEMESTER - I

EXAMINATION OCT./NOV. 2018

SUBJECT :- ENVIRONMENTAL STUDIES

DAY: Monday

DATE: 29/10/2018

TIME: 08.00 am TO 10.00 am

MAX MARKS: 60

N. B. --

1. All questions are compulsory.
2. Use of map stencil and the simple calculator is allowed.
3. Attach appendix- 1&2, along with answer paper.

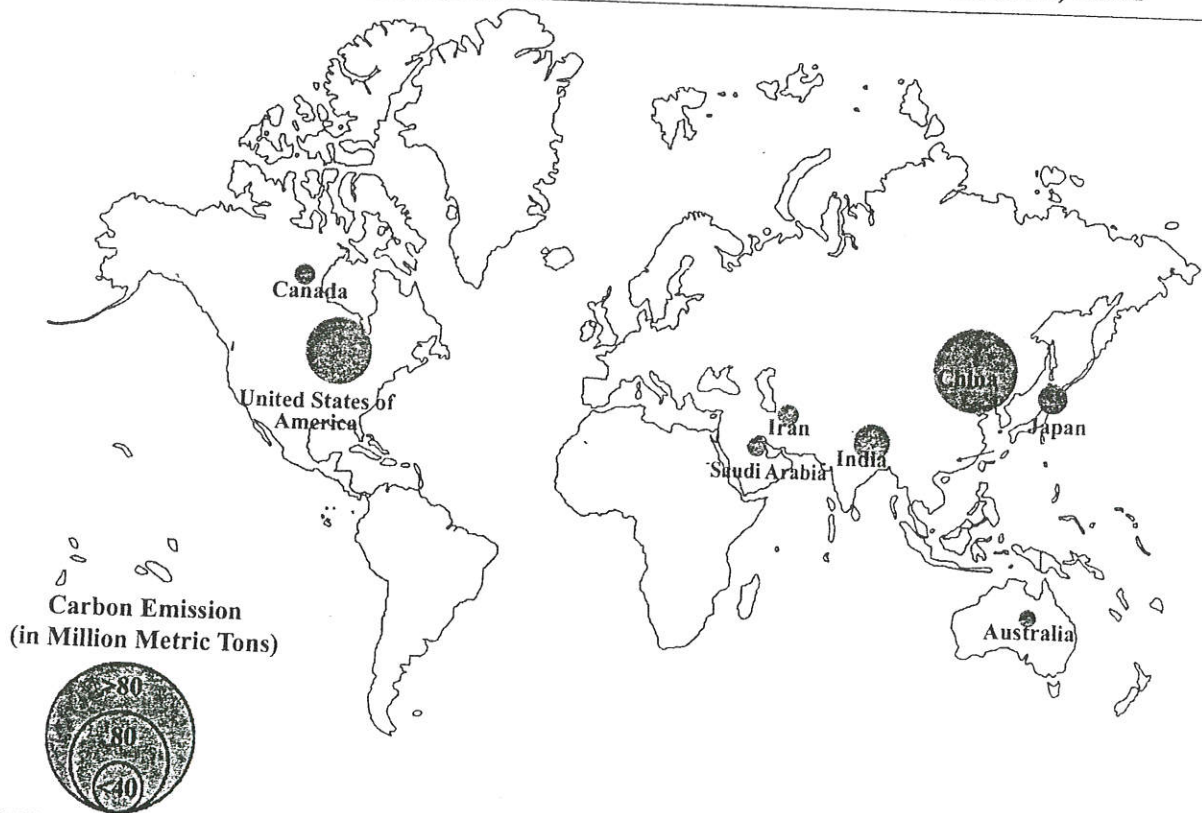
Q 1 A) Refer to the given thematic map (Appendix -1) and answer the following questions.

10

1. What is the theme of the map? 2
2. Name the cartographic technique used in the map. 2
3. Give the estimate of carbon emission by USA, India and China. 6

### Appendix .1

### CARBON EMISSION FROM SELECTED COUNTRIES, 2011



- Q 1 B) On the outline map of the World (Appendix – 2), mark and name the following. 10
1. Continents – Africa and South America 2
  2. Arctic ocean and Indian Ocean 2
  3. Developing countries of North America 2
  4. Sahara Desert and Kalahari desert 2
  5. Mountain ranges (any two) 2
- Q 2 A) Briefly describe the abiotic components of environment? 10
- OR
- Q 2 B) Explain the nature of energy flow in the ecosystem. 10
- Q 3 A) Differentiate between the conventional and non-conventional energy resources? 10
- OR
- Q 3 B) State the measures for forest conservation. 10
- Q 4 A) State the characteristics of the population distribution in the world. 10
- OR
- Q 4 B) Write an explanatory note on - Human Development Index. 10
- Q 5 A) Describe the process of urbanization. Give examples. 10
- OR
- Q 5 B) State the causes and consequences of urban heat island. 10



**WORLD MAP**

