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## B.Com SEM II 16-17 Question Papers

## II Semester Examination, APRIL 2017

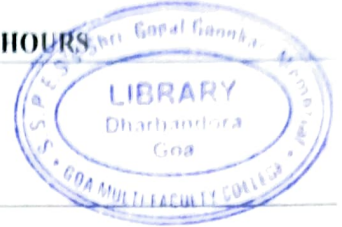
Class: FY B.COM

Sub: GENERAL MANAGEMENT-II

Max marks: 80

Duration: 2 HOURS

- Instructions:** 1) All questions are compulsory  
2) Figures to the right indicate maximum marks  
3) Start each new question on a fresh page.



1. Write Short Notes on the Following (Any Four) (4×4=16)
  - A. Industry & Water Pollution
  - B. Green Packaging
  - C. Ethical Practices in Marketing
  - D. Change Process
  - E. Change Agent
  - F. Labour Unions as Resistance to change
  
2. Explain the following terms with suitable examples (Any Four) (4×4=16)
  - A. Introvert Personality
  - B. Conflict of Self-Interest
  - C. Industrial Relations
  - D. Role Ambiguity
  - E. Formal Groups
  - F. Committee Structures
  
3. Briefly Explain the Scope of Corporate Responsibility. (12Marks)

**OR**

Throw a light on the code of conduct, a business has to follow to become ethical.
  
4. Briefly explain the individual reasons for resistance to change (12Marks)

**OR**

If you are appointed as a top executive, what suggestions will you give to manage change?
  
5. Define Conflict. What are the various kinds of Conflicts? Illustrate. (12Marks)

**OR**

What are the measures to handle conflicts? Explain in brief.
  
6. What are the factors that affect the group norms? Discuss. (12Marks)

**OR**

What are the various kinds of groups? Explain in detail.

**II Semester Examination, APRIL 2017**

**Class: FYBCom**

**Sub: Managerial Economics II**

**Max Marks: 80**

**Duration: 2 HOURS**

- Instructions:** 1) All questions are compulsory  
2) Figures to the right indicate maximum marks  
3) Start each new question on a fresh page.

Q. 1) Write short notes on *any four* of the following: **(4 Marks each)**

- a) Total Revenue and Marginal Revenue.
- b) Any four features of Monopoly
- c) Price Discrimination
- d) Importance of Pricing
- e) Cost Plus Pricing
- f) Marginal pricing

Q. 2) Write short notes on *any four* of the following: **(4 Marks each)**

- a) Advantages of Break-Even Analysis
- b) Any four characteristics of Profit
- c) Limitations of Break-Even Analysis
- d) Need for Capital Budgeting
- e) Pay Back Method Capital budgeting
- f) Net Present Value Method Capital budgeting

Q. 3) a) Explain features of Perfect Competition. **(12 Marks)**

OR

Q. 3) b) Explain various reasons for Monopoly

Q. 4) a) Explain Pricing Policy objectives. **(12 Marks)**

OR

Q. 4) b) Explain method or strategy of Pricing New Products

*(12 Marks)*

Q. 5) a) Explain the various characteristics of Profit.

OR

Q. 5) b) Diagrammatically explain the break-even analysis and its equilibrium.

*(12 Marks)*

Q. 6) a) Explain the various stages of Capital Budgeting.

OR

Q. 6) b) Explain the various sources of fund for Long Term Financing

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Roll No:

Total No: of Questions: 4

Total No: of pages: 4

## B.Com Semester End Examination

### Mathematical Techniques-II

Semester No : II

Duration: 2 Hrs.

Maximum Marks : 80

**Instructions:** 1) All Questions are Compulsory.

2) Figures to right indicate marks.

3) Start each new question on a fresh page.

4) On request graph will be provided.

5) Use of calculators are allowed.

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Q.1 Answer the following:

(5x4=20)

a) The cost function is given by  $C = 4x^2 + 7x + 3$ . Find average cost and marginal cost when  $x = 4$ .

b) Solve the following LPP graphically,

$$\text{Maximize } Z = 9x + 13y$$

$$\text{Subject to } 2x + 3y \leq 18$$

$$2x + y \leq 10, \quad x \geq 0, \quad y \geq 0.$$



c) If the demand function given by  $D = 15 - 4p - p^2$ , find price elasticity of demand at  $p = 2$ .

d) If  $f(x, y) = \frac{x^2 + y^2}{xy}$  then find  $f_x$  and  $f_y$  at  $(2, 1)$ .

OR

Q.1 Answer the following:

(5x4=20)

w) The total cost of  $q$  items is given by  $C = 15e^q + 2$ . Find the marginal cost when  $q = 3$ .

x) Find the extreme values of the function  $f(x) = 2x^3 - 15x^2 + 36x + 5$

y) If  $f(x, y) = x^2 + 2xy + y^2$  the point  $(1, 2)$ . Find  $f_x$  and  $f_y$

z) Solve the following LPP graphically,

$$\text{Minimize } Z = 5x + 10y$$

$$\text{Subject to } 5x + 8y \leq 40$$

$$3x + y \leq 12, \quad x \geq 0, \quad y \geq 0.$$

Q.2 Answer the following:

(5x4=20)

a) Find  $\lim_{x \rightarrow 2} \frac{\sqrt{x+6}-3}{x^2-9}$

b) Examine the continuity of  $f$  at  $x = 2$  if

$$\text{If } f(x) = x^2 - x - 1 \quad 0 \leq x < 2$$

$$= 4x + 1 \quad 2 \leq x \leq 4$$

c) If  $f(x) = (x-1)(x-2)(x+3)$ ,  $-2 \leq x \leq 4$ , find  $f(-1)$ ,  $f(2)$ ,  $f(3)$ . Also find  $x$  if  $f(x) = 0$

d) If  $f(x) = 3x - 1$  and  $g(x) = x^2 + 1$ , find  $f[g(x)]$  and  $g[f(x)]$ .

OR

Q.2 Answer the following:

(5x4=20)

w) If  $f(x, y) = x^3 + 5xy + y^2 - 3x + 10$ , find  $f_x$  and  $f_y$  at  $(1, 4)$

x) If  $f$  is continuous at  $x=2$ , where

$$f(x) = x^2 - x + 1 \quad 0 \leq x \leq 2$$

$$= 5x + a \quad 2 < x \leq 4 \quad \text{then find } a.$$

y) Find  $\lim_{x \rightarrow 4} \frac{x^3 - 3x^2 + 4}{x^3 - 2x^2 - 4x + 8}$

z) If  $f(x) = x^2 + 2x + 5$ , find  $x$ , if  $f(x+1) = f(x-2)$

Q.3 Answer the following:

(5x4=20)

a) If  $A(3, 1)$ ,  $B(-1, 9)$  and  $C(4, -1)$  are collinear points..

b) If  $A(2, -2)$  and  $B(5, y)$ , find the possible value of  $y$  so that  $AB = 5$ .

c) If  $A(2, -5)$ ,  $B(-2, 1)$  and  $C(4, 7)$  are the vertices of triangle  $ABC$ , find the equation of the median  $BD$ .

- d) A line makes equal intercept on the coordinate axes and passes through (2, 4)  
find its equation.

OR

Q.3 Answer the following: (5x4=20)

w) Find the equation of line if it

i) passing through A=(4, -3) and having slope as -2.

ii) having slope as 3 and y- intercept -1.

x) Show that the points (2, 1), (6, 5) and (4, 7) are the vertices of right angled triangle.

y) Write condition of concurrency and show that the lines  $3x + y = 2$ ,  $5x + 2y - 3 = 0$  and  $2x - y = 3$  are concurrent.

z) Prove that ABCD is parallelogram, if, A = (1, -2) B = (5, 2), C = (3, -1) and D = (-1, -5)

Q.4 Answer the following:

(5x4=20)

a) Find  $\frac{dy}{dx}$  for the following:

i)  $y = (3x + 5)^{10}$     ii)  $y = (2x - 5)^2$

b) Find    i)  $\int_2^3 (\log x) dx$

ii)  $\int_0^1 (e^x + 1) dx$

c) The demand function for a certain commodity at  $p = 100 - 5x$ . find the consumer's surplus at  $x = 4$ .

d) Evaluate i)  $\int \frac{x-3}{x} dx$

ii)  $\int \frac{1}{\sqrt{x}} dx$

OR



**Q.4** Answer the following:

**w)** Find  $\frac{dy}{dx}$  for the following:

i)  $y = \frac{x+5}{x-9}$

ii)  $y = (x+2)(x^3-4)$

**x)** Find the maximum values of  $f(x) = x^3 - 6x^2 + 9x$ .

**y)** Evaluate  $\int_1^3 \frac{(x^2 + 3x + 2)}{x + 3} dx$

**z)** The supply function for certain commodity at  $p = 3x^2 + 1$ . Find the producer's surplus at  $x = 1$ .





## II Semester Examination, APRIL 2017

**Class: FYBCOM**

**Sub: Information Technology- II**

**Max marks: 80**

**Duration: 02 HOURS**

**Instructions: 1) All questions are compulsory  
2) Figures to the right indicate maximum marks  
3) Start each new question on a fresh page.**

**Q.1 Answer the following questions. (ANY FOUR)**

**(4x4=16 Marks)**

1. What are the types of Networks?
2. What are the Disadvantages of Computer Networks?
3. What do you mean by Cyber Warfare?
4. State Data Recovery Techniques?
5. State the Difference between HTTP and HTTPS?
6. What are the Characteristics of Social Media?

**Q.2 Answer the following questions. (ANY FOUR) (4x4=16 Marks)**

1. Explain Sensitive Personal Information?
2. What are the Key Factors of CyberStalking?
3. State the types of Intellectual Property Rights?
4. Define Privacy Law?
5. Explain the term Cyber terrorism?
6. What are the Categories of Cyber Crime?

**Q.3 Answer the following.**

**(12 Marks)**

1. Define Social Networking in detail? Explain the safety features of Social Networking.

**OR**

2. Define BYOD? Explain the different Emerging Threats in Cyber Space.

**Q.4. Answer the following.**

**(12 Marks)**

1. Define Cyber Crime? Explain the different types of Cyber Crimes.

**OR**

2. Define Cyber Law? Explain the different Offences related to Cyber Law.

**Q.5. Answer the following.**

**(12 Marks)**

1. What are the Objectives of Indian Computer Emergency Response team (CERT-IN)?

OR

2. Explain the following terms in brief.
  - a) Device Cloning
  - b) Duties of Adjudication Officer
  - c) Section 69

**Q.6. Answer the following.**

**(12 Marks)**

1. Define Cyber Forensic? Explain Data Recovery with its types.

OR

2. Explain the following terms in brief.
  - a) Evidence Collection
  - b) Data Remanance

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SHREE SATERI PISSANI EDUCATION SOCIETY'S  
GOA MULTI -FACULTY COLLEGE  
DHARBANDORA, GOA  
II Semester Examination, APRIL 2017

Class: F.Y.B.Com

Sub: Environmental Studies

Max marks: 40

Duration: 1 HOURS

- Instructions: 1) All questions are compulsory  
2) Figures to the right indicate maximum marks  
3) Start each new question on a fresh page.

Q.1 A) Explain any four of the following

(4x4=16)

- a. Volcanic Eruption
- b. Landslides
- c. Forest conservation act
- d. Post disaster measures for flood
- e. Acid Rain
- f. Sustainable development

Q.2. A) Nuclear accidents with case study

(12)

OR

X) Climate change

(12)

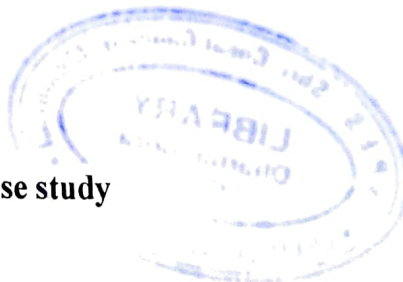
Q.3. A) Write an account on Rain water Harvesting

(12)

OR

X) Preventive measures for HIV/AIDS

(12)



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2017

4

Roll No:

Total No. of Questions: 06  
No. of Pages: 04

**B.Com Semester End Examination**  
**Financial Accounting II**  
**Semester II**

Duration: 2 Hrs.

Maximum Marks: 80

- Instructions:**
- 1) Question No. 1 is Compulsory.
  - 2) Answer any 3 Questions from Q.No.2 to Q.No.6.
  - 3) Figures to the right indicate maximum marks allotted.
  - 4) Provide sufficient margin space in the answer-book for recording marks.
  - 5) Enter the appropriate main & sub-question numbers in the answer-book.
  - 6) Show important working notes as fair work.

Q1. X, Y and Z were in partnership sharing profits and losses in the ratio of 2:1:1. They decided to dissolve the business on 31<sup>st</sup> December 2016, on which date the Balance Sheet was stood as:

Balance Sheet as on 31<sup>st</sup> December, 2016

Liabilities	Amount	Assets	Amount
Capital		Cash	10,000
X	1,00,000	Fixed Assets	2,10,000
Y	55,000	Current Assets	1,80,000
Z	25,000		
General Reserve	40,000		
Income Tax	10,000		
Creditors	1,70,000		
	<b>4,00,000</b>		<b>4,00,000</b>

The Assets were realized as follows:

1 <sup>st</sup> January, 2016	Rs. 15,000
1 <sup>st</sup> February, 2016	Rs. 2,11,000
1 <sup>st</sup> March, 2016	Rs. 82,000
1 <sup>st</sup> April, 2016	Rs. 58,000

It was agreed that cash should be distribution as and when realized.

Dissolution expenses were originally provided for at an estimated amount of Rs. 5,000. The actual expenses amounted to spend on 1<sup>st</sup> April was Rs. 3,000.

Prepare statement showing the Distribution of cash under Excess Capital Method

(20)

Q2. Sun Corporation of Delhi has a branch at Pune. The Head office invoices goods to branch at cost plus 1/3<sup>rd</sup>. the branch transfers all cash received to head office daily. All branch expenses are paid from the head office.

From the following information prepare Branch Stock Account, Branch Adjustment Account, Branch Debtors Account, Branch Expenses Account and Branch Profit & Loss Account in the books of the Head Office.

Particular	Amount
Branch Debtors on 1.1.2015	80,000
Branch Stock on 1.1.2015 at invoice price	20,000
Petty cash	2,000
Cash sale	30,000
Discount allowed to Branch Debtors	4,000
Bad Debts written off	3,000
Returns from Customer	1,500
Collection from Debtors	1,20,000
Goods sent to Branch at Invoice price	2,00,000
Goods returned to Head Office at Invoice price	16,000
Credit sales	1,50,000
Closing stock at Invoice Price	1,00,000
Cheque received from Head Office for Expenses	
Salaries	12,000
Rent and taxes	6,000
Advertising	5,000
Petty cash	3,000
Actually petty Expenses incurred by Branch	4,000

(20)

Q3. The following balance ad at 31<sup>st</sup> Dec. 2015 are extracted from the book of Industrial Product Co. Goa, consisting of the Department A and B.

Particular	Dept. A	Dept. B
Sales (Finished Goods)	4,00,000	6,00,000
Purchases (Raw Material)	1,40,000	3,77,000
Manufacturing Wages	80,000	1,00,000
Factory Overhead	48,000	60,000
Stock (Raw Material) 1.1.2015	50,000	65,000
Purchase Return (Raw Material)	6,000	4,000
Sales Return (Finished Goods)	2,000	1,000

Other balances are as follows

Particular	Amount
Sundry Debtors	1,50,000
Sundry Creditors	90,000
Plant & Machinery	45,000
Furniture & Fitting	9,000
Salaries	60,000
Office Expenses	36,000
Capital	2,00,000
Cash and Bank Balance	77,000

Plant & Machinery is to be depreciated at 10% and Furniture & Fitting at 15%. Debts standing in the books at Rs. 1,000 are to be written off as bad and a reserve of 2% to be made for doubtful debts.

Factory Overhead (including depreciation on Plant & Machinery) is to be allocated in the ratio of manufacturing wages.

Salaries, office expenses and Depreciation on Furniture & Fitting and other debits to Profit & Loss Account are to be allocated in the ratio of 2:3

The Closing Stock (Raw Material) was valued: Dept. A Rs. 56,000 and Dept. B Rs. 70,000.

Prepare trading and Profit & Loss Account for the year ended on 31<sup>st</sup> Dec. 2015 for the Two Dept., separately as well as for the entire business in columnar form and a Balance Sheet as at that date.

(20)

Q4.A. With the help of the following information, prepare the Stores Ledger Card based on the Weighted average method of Pricing Issue.

Month & Date	Particular
1 Sept.	Opening Balance 24,000 Kg. @ Rs. 75 per Kg
1 Sept	Purchases 44,000 Kg @ Rs. 76 per Kg
1 Sept.	Issues 10,000 Kg
5 Sept.	Issues 16,000 Kg
12 Sept.	Issues 24,000 Kg
13 Sept.	Purchase 10,000 Kg. @ Rs. 78 per Kg
18 Sept.	Issues 24,000 Kg
22 Sept.	Purchase 50,000 Kg @ Rs. 80 per Kg
28 Sept.	Issues 30,000 Kg
30 Sept.	Issues 22,000 Kg

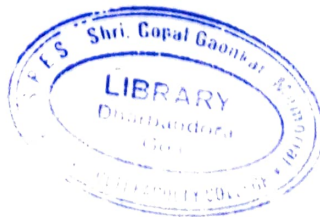
(15)

Q4.B. Determine the value of stock to be taken for Balance Sheet as at 31<sup>st</sup> March, 2007 from the following information:

The stock was physically verified on 23<sup>rd</sup> March 2007 and was valued at Rs. 6,00,000. Between 23<sup>rd</sup> March 2007 and 31<sup>st</sup> March 2007 the following transaction had taken place:

1. Purchases Rs. 50,000 of this, goods worth Rs. 20,000 were delivered on 5<sup>th</sup> April 2007.
2. Out of goods sent on consignment, goods worth Rs. 30,000 (at cost) were unsold.
3. Sales was of Rs. 1,70,000. This includes goods worth Rs. 40,000 sent on approval. Half of these were returned before 31<sup>st</sup> March. As regards remaining, no intimation was received.
4. Normally the firm sells goods on cost plus 25%. However, a lot of goods costing Rs. 30,000 was sold for Rs. 15,000

(05)



Q5. On 16<sup>th</sup> August, 2007, a fire occurred in the godown of Ganges Jute Mill and the godown was destroyed. Form the following information, prepare a statement showing the claim to be lodge to the insurance company.

Particular	Amount
Stock of 1 <sup>st</sup> January 2006	36,000
Wages paid 2006	5,000
Carriage Inwards 2006	3,000
Purchases for the year ended on 31 <sup>st</sup> Dec. 2006	1,42,000
Sales for the year ended on 31 <sup>st</sup> Dec. 2006	2,03,000
Closing Stock on 31 <sup>st</sup> Dec. 2006	32,000
Purchases from 1 <sup>st</sup> January -16 <sup>th</sup> August 2007	74,000
Sales from 1 <sup>st</sup> January – 16 <sup>th</sup> August 2007	82,600
Wages from 1 <sup>st</sup> January – 16 <sup>th</sup> August 2007	2,000
Carriage Inward from 1 <sup>st</sup> January – 16 <sup>th</sup> August 2007	1,200

An item of stock purchased in 2005 at a cost of Rs. 10,000 was valued at Rs. 6,000 on 31<sup>st</sup> Dec. 2005. Half of the stock was sold in 2006 for Rs. 3,400. The remaining stock was valued at Rs. 2,000 on 31<sup>st</sup> Dec. 2006. One-fourth of the original stock was sold in April, 2007 for Rs. 2,600. The remaining stock was considered to be worth 40% of its original cost. Stock of the value of Rs. 15,000 was salvaged. The amount of the policy was for Rs.42, 000. There was an average clause in the policy.

(20)

Q6. Answer the following question (Any 4)

(5\*4=20)

1. Distinguish between Branch v/s Department.
2. Explain the procedure in Notional Loss Method.
3. What is the order of payments of various claims if the assets realize gradually.
4. Explain the various steps for ascertaining the loss of stock by fire.
5. What do you mean by inventory? What are the objective of accounting inventories?

Roll No:

Total No: of Questions: 6

Total No: of pages: 3

**B.Com Semester End Examination**

**Cost Accounting**

**Semester: II**

**Maximum Marks: 80**



Duration: 2 Hrs.

- Instructions:**
- 1) Q1 is compulsory.
  - 2) Answer any three questions from Q.2 to Q.6
  - 3) Figures to the right indicate maximum marks.
  - 4) Start each new question in a fresh page.

(20)

Q.1 Following information has been obtained from the records of ABC Ltd for 2014:

Particulars	Rs.	Particulars	Rs.
Direct Materials	1,00,000	Telephone Charges	200
Consumable stores	3,500	Postage	150
Direct Wages	35,000	Telegrams	350
Manager's Salary	5,000	Storekeeper's wages	1,000
Wages of Foreman	1,500	Factory heating	1,250
Directors' fees	1,050	Oil and water	500
Electric power	1000	Travelling expenses	500
Office Stationery	1500	Rent: Factory	5,000
Lighting: Factory	1,500	Advertising	1,250
Office	2,500	Office salary	2000
Warehouse charges	500	Carriage outward	375
Factory plant	3,500	Transfer to Reserves	1,000
Dividend	2000	Discount on issue of shares	1000
Depreciation: Factory Plant	500	Sale for the year	3,50,000

Prepare Cost Sheet for the above period.

(20)

Q.2 Calculate the earnings of worker A,B and C under straight piece rate system and Differential piece rate system.

Normal rate per hour Rs.2.4

Standard time per unit 1 minute

Output per day is as follows:

Worker A-758 units, Worker B-900 units, and Worker C-1100 units.

Working hours per day are 8.



Q.3

K Ltd has three production departments P1, P2, and P3 and two service departments S1 and S2. Following figures are extracted from the records of the company.

Rent and Rates	Rs.10000
Indirect wages	Rs.3000
Depreciation on machinery	Rs.20000
General lighting	Rs.1200
Power	Rs.3000
Repairs to plant	Rs.20000

Following further details are available:

Particulars	Total	P1	P2	P3	S1	S2
Floor space(sq. mtrs)	10,000	2000	2500	3000	2000	500
Light points	60	10	15	20	10	5
Direct wages	10,000	3000	2000	3000	1500	500
H.P of machines	150	60	30	50	10	-
Value of machinery	2,50,000	60,000	80,000	1,00,000	5,000	5,000

Apportion the costs to various departments on the most equitable basis by preparing a Primary departmental distribution summary.

Q.4

(10)

a) X an employee of XYZ Ltd gets the following emoluments and benefits:

i. Basic pay	Rs.2500 p.m
ii. DA	Rs.1200 p.m
iii. Bonus	20% of salary and DA
iv. Other allowances	Rs.500 p.m
v. Employees contribution to P.F	10% of salary and
Dated as	

'X' works for 2400 hours per annum, out of which 400 hours are non-productive and treated as normal idle time.

Find out the effective hourly cost of employee 'X'

b) A machine is purchased for cash at Rs.18,400. Its working life is estimated to be 36,000 hours after which its scrap value is estimated at Rs.400. It is assumed from the past experience that:

i. Machine will work for 1800 hours annually	
ii. The repair charges will be 1080 during the whole period of life of machine.	
iii. The power consumption will be 5 units per hour at 6 paise per unit.	
iv. Other annual standing charges are estimated to be:	
Rent of department (machine occupies 1/5 <sup>th</sup> of total space)	Rs.1500
Light (12 points in the department -2 points engaged in the machine)	Rs.600
Foreman salary (1/4 <sup>th</sup> of his time is occupied in the machine)	Rs.12,000

Insurance premium  
Cotton waste

Rs. 70  
Rs. 120.

(10)

Q.5

(2\*10=20)

- a) Explain the different Individual Incentive Schemes
- b) What is Labor Turnover? Explain its Causes

Q.6. Answer ANY FOUR of the following

(20)

- a) Time keeping
- b) Payroll department
- c) Absorption of overheads
- d) Fixed cost v/s variable cost
- e) Requirements of good time keeping system