

COM 403.3

Reg.

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CREDIT BASED FOURTH SEMESTER B.Com. DEGREE EXAMINATION
APRIL 2014
COMMERCE
Public Finance

Time: 3 Hrs

Max. Marks: 80

SECTION - A

Answer any THREE of the following:

20X3=60

1. Explain the nature and scope of public finance. Examine its importance in modern times.
2. What is taxable capacity? Give an account of factors determining taxable capacity.
3. Define public expenditure? Examine the causes for increase in the public expenditure.
4. What are the objectives of deficit financing? Explain the arguments for and against deficit financing.

SECTION - B

Answer any THREE of the following:

5X3=15

5. Write a note on principle of maximum social advantage.
6. Write a note on canons of taxation.
7. Explain the various methods of debt redemption.
8. Define fiscal policy. What are the objectives of fiscal policy?

SECTION - C

Answer ALL the questions:

1X5=5

9. Why do we consider public finance as a 'normative science'?
10. What do you mean by non-tax revenue?
11. Give the meaning of capital expenditure.
12. Distinguish between public debt and private debt.
13. What is budget?

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**CREDIT BASED FOURTH SEMESTER B.Com. DEGREE EXAMINATION
APRIL 2015
PUBLIC FINANCE**

Time: 3 Hrs

Max. Marks: 100

SECTION – A

Answer any THREE of the following:

20×3=60

1. What is public finance? Explain the nature and scope of public finance.
2. Examine the different sources of public revenue.
3. Define public expenditure. Examine the effects of public expenditure on consumption, production and distribution.
4. What is debt redemption? Explain the various methods of debt redemption.

SECTION – B

Answer any THREE of the following:

5×3=15

5. Write a note on canons of taxation.
6. Give an account of classification of public expenditure.
7. Examine the role of deficit financing in economic development.
8. Define planning. Examine the role of planning in present context.

SECTION – C

Answer ALL the following:

1×5=5

9. What is private finance?
10. What is taxable capacity?
11. Give the meaning of canon of productivity.
12. Mention any two sources of public debt.
13. What is budget?

STATISTICS**QUANTITATIVE TECHNIQUES-II**

Time: 3 Hrs

Max. Marks: 80

Note: Graph Sheets will be provided on request.

SECTION - A

Answer any THREE of the following:

3X20=60

1. a) There are two food items bread and cheese. One Kg. of bread contains 2000 calories and 500 gms of protein. One Kg. of cheese contains 4000 calories and 200 gms of protein. Bread costs Rs. 20/ per Kg. and cheese costs Rs. 50/- per Kg. The standard diet should contain at least 3000 calories and 100 gms of protein. Formulate the LPP. (5)

- b) Solve the following LPP graphically.

$$\text{Maximize } z = 3x + 6y$$

$$\text{Subject to } x + 2y \leq 2000$$

$$x + y \leq 1500$$

$$y \leq 600$$

$$x, y \geq 0$$

(10)

- c) At certain rate of interest compounded monthly a sum doubles in 3 years. Find the nominal and effective rates of interest. (5)

2. a) Using simplex method solve the following LPP.

$$\text{Maximize } z = 2000x + 1000y$$

$$\text{Subject to } x + y \leq 400$$

$$8x + 5y \leq 2600$$

$$x, y \geq 0$$

(15)

- b) Obtain initial basic feasible solution to the following transportation problem. Using North West Corner Rule. (5)

	To			Available
	A	B	C	
I	50	30	220	10
From II	90	45	170	30
III	270	200	50	40
Required	40	20	20	80

3. a) A car hire agency has one car available at each of the places A, B, C, D, E, F. There is a demand for a car at places, a, b, c, d, e and f which is as given below. Find the optimal assignment. (10)

	a	b	c	d	e	f
A	41	72	39	52	25	51
B	22	29	49	65	81	50
C	27	39	60	51	32	32
D	45	50	48	52	37	43
E	29	40	39	26	30	33
F	32	40	40	60	51	30

- b) From the data given below, estimate the number of workers earning Rs 24 or more but less than Rs. 34. Using Newton's formula. (10)

Earning less than (Rs.)	20	25	30	35	40	45
No. of Workers	50	150	300	500	700	800

4. a) Obtain the initial BFS by Vogel's Appropriation method and hence find optimal solution to the following T.P. (15)

	Destination			Available
	A	B	C	
Source O ₁	10	9	8	8
O ₂	12	7	10	7
O ₃	11	9	7	9
O ₄	12	14	10	4
Required	10	10	8	

- b) Use Binomial method to estimate the missing value from the following table. (5)

Year	1961	1971	1981	1991	2001	2011
Population (Crores)	44	55	68	84	102	?

- c) A certain sum of money amounts to Rs. 6,200 in 3 years and 6,600 in 4 years. Find the Principal and the rate of simple interest. (5)

SECTION - B

Answer any THREE of the following:

3X5=15

- A sum invested doubles in 6 years. What is the rate of compound interest per annum. (5)
- A firm manufactures articles whose marked price is Rs. 25,750 per unit. A trader buys 5 each articles. If trade discount is 10%, what would be the bill amount? If cash discount is 2% for immediate payment, what would be the payment? If cash discount is 1% two months, what would be the payment? (5)
- The banker's gain on a certain bill due after six months at 16% interest per annum is Rs. 40. Find (i) Face Value of the bill (ii) True discount (iii) Banker's discount. (5)
- Find the equated due date of payment of the following bills.
Rs. 500 due on 10th August
Rs. 1,000 due on 1st September
Rs. 250 due on 10th October
Rs. 400 due on 25th October (5)

SECTION - C

Answer all the questions:

5x1=5

- Define Operations Research (OR).
- How do you identify unbounded solution in a simplex table?
- Define optimal solution in transportation problem.
- What principal invested today will amount to Rs. 3,260 in 4 years at 13% per annum compound interest?
- At 10% trade discount, the selling price of a product is Rs. 81. Find the marked price.

**CREDIT BASED FOURTH SEMESTER B.Com. DEGREE EXAMINATION
APRIL 2016
PUBLIC FINANCE**

Time: 3 Hrs

Max. Marks: 80

SECTION – A

I. Answer any THREE of the following: 20×3=60

1. Discuss the nature and scope of public finance. Examine its importance.
2. What is public revenue? Give an account of various sources of public revenue.
3. What is public expenditure? Examine the reasons for increase in public expenditure.
4. Give an account of Centre–State financial relations in India.

SECTION – B

II. Answer any THREE of the following: 5×3=15

5. Briefly explain the principle of maximum social advantage.
6. Give an account of methods of debt repayment.
7. Discuss the various canons of taxation.
8. Explain the various types of budget.

SECTION – C

III. Answer ALL the following: 1×5=5

9. Write any two objectives of public finance.
10. What is value added tax?
11. What is capital expenditure?
12. Give the meaning of deficit financing.
13. What is subsidy?
