

(For the candidates admitted from 2008–2009 onwards)

**B.B.A. DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2011.**

Second Semester

**Allied — BUSINESS MATHEMATICS AND
STATISTICS – II**

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

All questions carry equal marks.

Write short note on :

1. Simple interest.

தனி வட்டி.

2. Sinking fund.

மீட்டி நிதி.

3. Left-hand limit.

இடப்பக்க எல்லை.

4. Maxima.

மீப்பேரளவு.

5. Scatter diagram.

சிதறல் விளக்கப்படம்.

6. Regression Analysis.

பின்னடைவு பகுப்பாய்வு.

7. Time Series.

காலம் சார் வரிசை.

8. Secular trend.

சார்பிலா போக்கு.

9. Characteristics of Index Numbers.

குறியீட்டெண்ணின் தன்மைகள்.

10. Cost of living index number.

வாழ்க்கை செலவு குறியீட்டெண்.

PART B — (5 × 5 = 25 marks)

Answer ALL questions.

All questions carry equal marks.

11. (a) Calculate the compound interest for Rs. 2,500 for 4 years at 8% per annum.

ரூ. 2,500-க்கு ஆண்டிற்கு 8 சதவிகிதத்திற்கான 4 ஆண்டுகளுக்குரிய கூட்டு வட்டியைக் காண்க.

Or

(b) The banker's discount is 51 times the banker's gain. Find the term of the bill if interest is 8% p.a.

ஒரு வங்கியாளரின் இலாபம் அவர் அளித்த தள்ளுபடியை விட 51 பங்கு ஆகும். வட்டி 8% எனில் கால அளவைக் காண்க.

12. (a) If $y = e^x$, then what is dy/dx ?

$y = e^x$ எனில் dy/dx -ன் மதிப்பு காண்க.

Or

(b) Find the elasticity of supply from the supply function $p = -2 + 5x$.

$p = -2 + 5x$ என்ற வழங்கல் செயல்பாட்டின் மூலம் வழங்கலின் நெகிழ்தன்மையைக் காண்க.

13. (a) Calculate correlation coefficient from the following data :

$$N = 10, \quad \sum X = 140, \quad \sum Y = 150, \\ \sum (X - 10)^2 = 180, \quad \sum (Y - 15)^2 = 215 ; \\ \sum (X - 10)(Y - 15) = 60 .$$

கீழ்க்கண்ட விபரங்களில் இருந்து ஒட்டுறவுக் குணகத்தினைக் காண்க.

$$N = 10, \quad \sum X = 140, \quad \sum Y = 150, \\ \sum (X - 10)^2 = 180, \quad \sum (Y - 15)^2 = 215 ; \\ \sum (X - 10)(Y - 15) = 60 .$$

Or

- (b) Calculate the two regression equations from the following data :

X: 10 12 13 12 16 15

Y: 40 38 43 45 37 43

கீழ்க்கண்ட விபரங்களில் இருந்து இரண்டு பின்னடைவு சமன்பாடுகளைக் கணக்கிடுக.

X: 10 12 13 12 16 15

Y: 40 38 43 45 37 43

14. (a) Find the trend line by the method of least squares.

Year :	2005	2006	2007	2008	2009
Sales (000) :	100	120	140	160	180

மீச்சிறு வர்க்க முறையை கொண்டு நேர்கோட்டு போக்குக் கோட்டினைக் கணக்கிடுக.

வருடம் :	2005	2006	2007	2008	2009
விற்பனை (000) :	100	120	140	160	180

Or

- (b) Fit a straight line trend to the following time series.

Year :	2003	2004	2005	2006	2007	2008
Sales (000) :	72	75	74	78	83	82

பின்வரும் காலம்சார் வரிசைக்கு நேர்கோட்டுப் போக்குக் கோட்டினைக் கணக்கிடுக.

வருடம் :	2003	2004	2005	2006	2007	2008
விற்பனை (000) :	72	75	74	78	83	82

15. (a) From the following data construct an index number for 2010 taking 2009 as base :

Commodities : A B C D E

Price in 2009 (Rs.) : 50 40 80 110 20

Price in 2010 (Rs.) : 70 60 90 120 20

கீழ்க்கண்ட விபரங்களில் இருந்து, 2009 ஆம் ஆண்டை அடிப்படையாகக் கொண்டு 2010 ஆம் ஆண்டிற்கான குறியீட்டெண்ணை காண்க.

பொருட்கள் : A B C D E

2009-ல் விலை (ரூ.) 50 40 80 110 20

2010-ல் விலை (ரூ.) 70 60 90 120 20

Or

- (b) Calculate the cost of living index number from the following data :

Item	Base year price	Current year price	Weight
Food	39	47	4
Fuel	8	12	1
Clothing	14	18	3
House rent	12	15	2
Miscellaneous	25	30	1

கீழ்க்கண்ட விபரங்களிலிருந்து வாழ்க்கை செலவு குறியீட்டெண்ணைக் கணக்கிடுக.

பொருள் அடிப்படையாண்டு விலை நிகழ்வாண்டு விலை அளவு

உணவு	39	47	4
எரிபொருள்	8	12	1
உடை	14	18	3
வீட்டு வாடகை	12	15	2
இதர செலவு	25	30	1

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

All questions carry equal marks.

16. (a) The difference between the compound interest and the simple interest for 3 years at 5% p.a. on a certain sum of money was Rs. 610. Find the sum.

- (b) The banker's gain on a sum due 10 months hence at 6% p.a. is Rs. 25. Find the sum due.

(அ) ஒரு தொகை 3 ஆண்டுகளுக்கு 5% வருடாந்திர வட்டி அடிப்படையில் அதன் கூட்டு மற்றும் தனி வட்டிகளின் வித்தியாசம் ரூ. 610 ஆகும். அந்தத் தொகையைக் காண்க.

(ஆ) ஒரு வங்கியாளர்க்கு 6% வருடாந்திர வட்டியில் 10 மாதங்களில் ரூ. 25 கூடுதல் தொகை கிடைக்கும் எனில் அசல் தொகையைக் காண்க.

17. The total cost function of a firm is given by

$$C = 0.04x^3 - 0.9x^2 + 10x + 10.$$

Find

- (a) Average cost and Marginal cost and
(b) Value of x at which average variable cost is minimum.

ஒரு நிறுவனத்தின் மொத்த அடக்க சமன்பாடு
 $C = 0.04x^3 - 0.9x^2 + 10x + 10$ எனில்

- (அ) சராசரி மற்றும் கூடுதல் செலவு
(ஆ) சராசரி மாறும் செலவு குறைவாக உள்ள போது x -ன் மதிப்பைக் காண்க.

18. Compute the coefficient of correlation between X-Advertisement Expenditure and Y-Sales.

X: 10 12 18 8 13 20 22 15 5 17

Y: 88 90 94 86 87 92 96 94 88 85

X-ன் விளம்பர செலவு மற்றும் Y-விற்பனை ஆகியவற்றிற்கு இடையேயான ஒட்டுறவுக் குணகத்தினைக் கணக்கிடுக.

X: 10 12 18 8 13 20 22 15 5 17

Y: 88 90 94 86 87 92 96 94 88 85

19. Calculate the seasonal indices from the following data :

Quarters	2005	2006	2007	2008	2009
I	30	33	42	56	67
II	81	104	133	172	201
III	62	86	99	129	136
IV	119	171	221	335	302

பின்வரும் விவரங்களுக்கு பருவகால குறியீடுகளை கணக்கிடுக.

காலாண்டுகள்	2005	2006	2007	2008	2009
I	30	33	42	56	67
II	81	104	133	172	201
III	62	86	99	129	136
IV	119	171	221	335	302

20. From the following data construct index number by using

- (a) Laspeyre's method,
(b) Paache's method and
(c) Fisher's method.

Item	Price		Quantity	
	Base Year	Current Year	Base Year	Current Year
A	6	10	50	50
B	2	2	100	120
C	4	6	60	60
D	10	12	30	25

கீழ்க்கண்ட விபரங்களிலிருந்து விலைக் குறியீட்டெண்ணை பின்வரும் முறைகளில் கணக்கிடுக.

(அ) லாஸ்பியர் முறை

(ஆ) பாசிஸ் முறை

(இ) பிஷரின் முறை.

பொருள்	விலை		அளவு	
	அடிப்படையாண்டு நிகழ்வாண்டு	அடிப்படையாண்டு நிகழ்வாண்டு	அடிப்படையாண்டு நிகழ்வாண்டு	அடிப்படையாண்டு நிகழ்வாண்டு
A	6	10	50	50
B	2	2	100	120
C	4	6	60	60
D	10	12	30	25

(6 pages)

S.No. 4580

CSS

(For the candidates admitted from 2003–2004 onwards)

B.B.A./B.B.A. (CA) DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2011.

Second Semester

Allied – QUANTITATIVE TECHNIQUES – II

Time : Three hours

Maximum : 100 marks

SECTION A — (10 × 3 = 30 marks)

Answer ALL the questions.

1. (a) Define Iconic and Analogue Model.
- (b) What are the different phases of OR?
- (c) Define slack and surplus variable.
- (d) Write the canonical form of LPP.
- (e) What are the methods used to find Initial basic feasible solution.
- (f) Define the degenerate solution.
- (g) Define the saddle point and value of the game.

- (h) Determine which of the following two person zero sum games are strictly determinable and fair.

Player B

$$\text{Player A} \begin{bmatrix} 5 & 0 \\ 0 & 2 \end{bmatrix}.$$

- (i) Define Total float, Free float and independent float.
- (j) Define optimistic, pessimistic and most likely time.

SECTION B — (5 × 6 = 30 marks)

Answer any FIVE questions.

2. Explain the various types of models in OR.
3. Use graphical method to solve the LPP

$$\text{Maximize } Z = 2x_1 + 4x_2$$

$$\text{STC } x_1 + 2x_2 \leq 5$$

$$x_1 + x_2 \leq 5,$$

$$x_1, x_2 \geq 0.$$

4. Obtain an IBFS to the following transportation problem using NWC rule

	D	E	F	G	Supply
A	11	13	17	14	250
B	16	18	14	10	300
C	21	24	13	10	400
Demand	200	225	275	250	

5. Solve the assignment problem

	1	2	3	4
A	18	24	28	32
B	8	13	17	19
C	10	15	19	22

6. Solve the following 2×2 game graphically

	B_1	B_2	B_3	B_4
A_1	2	1	0	-2
A_2	1	0	3	2

7. Solve the following game using dominance property

	Player B			
Player A	3	2	4	0
	3	4	2	4
	4	2	4	0
	0	4	0	8

8. Construct the network diagram and critical path for the project.

$A < B, C, D$; $B < E$; $C < F$; $D < G$; $E < F$; $F < G$

Activity	A	B	C	D	E	F	G
Duration in days	3	6	16	10	8	5	3

SECTION C — ($2 \times 20 = 40$ marks)

Answer any TWO questions.

9. Use Simplex method to solve the LPP

Maximize $Z = 4x_1 + 10x_2$

STC $2x_1 + x_2 \leq 50$

$2x_1 + 5x_2 \leq 100$

$2x_1 + 3x_2 \leq 90$,

$x_1, x_2 \geq 0$.

10. Obtain an optimum basic feasible solution to the following transportation problem

	Supply			
	21	16	25	13
	17	18	14	23
	32	27	18	41
Demand	6	10	12	15

Activity	t_0	t_m	t_p
7-8	2	4	6
7-9	1	2	3
8-10	4	6	8
9-10	3	5	7

11. Construct the network for the project whose activities and the three time estimates of these activities are given below. Compute

- Expected duration of each activity
- Expected variance of each activity
- Expected variance of the project length

Activity	t_0	t_m	t_p
1-2	3	4	5
2-3	1	2	3
2-4	2	3	4
3-5	3	4	5
4-5	1	3	5
4-6	3	5	7
5-7	4	5	6
6-7	6	7	8

(6 pages)

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06 USTA 11

(For the candidates admitted from 2006–2007 onwards)

B.B.A. DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2011.

Second Semester

BUSINESS MATHEMATICS AND STATISTICS — II

Time : Three hours

Maximum : 100 marks

PART A — ($10 \times 2 = 20$ marks)

Answer ALL questions.

1. Write short note on Face value.
2. What is true discount?
3. What is differentiation?
4. What is meant by Integration?
5. What is correlation?
6. What is meant by multiple correlation?

7. What do you mean by time series?
8. Write short notes on irregular variations.
9. Mention any two uses of Index numbers.
10. What is meant by a cost of living Index number?

PART B — ($5 \times 4 = 20$ marks)

Answer ALL questions.

11. (a) Find the compound interest on Rs, 20,000 for 5 years at 20% p.a. What will be the simple interest in the above case?

Or

- (b) Find the simple interest on the sum of Rs. 6,000 at 10% p.a. for 3 years.

12. (a) Find the derivate of $5^x X^5$.

Or

- (b) Differentiate $\sqrt{2x} + 3^{2n}$.

13. (a) What is Regression? What is difference between correlation and regression?

Or

- (b) Find the rank correlation co-efficient :

X: 21 36 42 37 25

Y : 47 40 37 42 4

14. (a) What are the methods to estimate the secular trend?

Or

- (b) What are the methods used to estimate the seasonal variations?

15. (a) Calculate Fisher's Ideal Index Number :

Commodity	1990		1995	
	Price Rs.	Qty	Price Rs.	Qty
A	2	74	3	82
B	5	125	4	140
C	7	40	6	33

Or

- (b) What are the steps in the construction of cost of living index number?

PART C — (5 × 12 = 60 marks)

Answer ALL questions.

16. (a) Find the Bankers discount (BD) True Discount (TD). Banker's gain on a bill of Rs. 7,800 for 8 months at 6% p.a.

Or

- (b) What is the actual rate of interest which a banker gets for the money when he discounts a bill legally due in 6 months at 5% p.a.?

17. (a) Evaluate

(i) $\int_0^2 (x^2 - 4x + 5) dx$

(ii) $\int_0^4 (\sqrt{x} + e^x) dx$

Or

- (b) Differentiate the following with respect to

(i) $x^3 - 3x^2 + 4x + 3$

(ii) $x^5 + 3 \log x - 4e^x$

18. (a) The following table gives aptitude test scores and productivity indices of 8 randomly selected workers :

Aptitude score : 57 58 59 59 60 61 62 64
 Productivity index : 67 68 65 68 72 72 69 71

Calculate the correlation co-efficient between aptitude score and productivity index.

Or

- (b) Compute the co-efficient of correlation between X-advertisement expenditure and Y-sales.

X: 10 12 18 8 13 20 22 15 5 17
 Y: 88 90 94 86 87 92 96 94 88 85

19. (a) What is time series? Explain the uses of time series.

Or

- (b) Assuming no trend in the series, calculate seasonal indices for the following data :

Year	Quarter			
	I	II	III	IV
1994	78	66	84	80
1995	76	74	82	78
1996	72	68	80	70
1997	74	70	84	74
1998	76	74	86	82

20. (a) Explain the methods to estimate the secular trend and method of seasonal variations.

Or

- (b) Explain the general problems in the construction of Index numbers.

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06 USTA 13

(For the candidates admitted from 2006–2007 onwards)

B.B.A. (CA) DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2011.

Second Semester

QUANTITATIVE TECHNIQUES — II

Time : Three hours

Maximum : 100 marks

PART A — ($10 \times 2 = 20$ marks)

Answer ALL the questions.

1. Define operation Research.
2. What are the models in OR?
3. What is meant by LPP?
4. What do you mean by the decision variables?
5. What are the methods of Transportation problem?
6. What is meant by Assignment problem?
7. What do you mean by Zero-sum games?
8. What is meant by payoff matrix?
9. What is meant by network?
10. What is meant by Dummy activity?

PART B — ($5 \times 4 = 20$ marks)

Answer ALL the questions.

11. (a) What are the characteristics of OR?

Or

- (b) What are the different phases of operation Research?

12. (a) A company has three operational departments (weaving processing and packing) with capacity to produce 3 different types of clothes namely suitings shirtings, and woollens yielding a profit of Rs. 2, Rs. 4 and Rs. 3 per metre respectively. One metre of suiting requires 3 minutes in weaving, 2 minutes in processing and 1 minute in packing. Similarly one metre of shirting requires 4 minutes in weaving 1 minute in processing and 3 minutes in packing. One metre of woollen requires 3 minutes in each department. In a week, total run time of each department is 60, 40 and 80 hours for weaving, processing and packing respectively.

Formulate the linear programming problem to find the product mix to maximize the profit.

Or

- (b) Solve the following LPP graphically
 maximize $z = 2x_1 + 4x_2$ subject to
 constraints. $x_1 + 2x_2 \leq 5$ and $x_1, x_2 \geq 0$
 $x_1 + x_2 \leq 4$.

13. (a) Determine an initial basic feasible solution to the following transportation problem using North west corner method.

	1	2	3	4	Supply
A	2	3	11	7	6
B	1	0	6	1	1
C	5	8	15	9	10
Demand	7	5	3	1	17

Or

- (b) Solve the following assignment problem :

	A	B	C
1	8	7	6
2	5	7	8
3	6	8	7

14. (a) Solve the game whose pay-off matrix is given by

	Player B		
Player A	1	3	1
	0	-4	-3
	1	5	-1

Or

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S.No. 1374

- (b) Solve the following game and determine the value of the game.

	P ₂	
P ₁	5	1
	3	4

15. (a) The following table gives the activities of a construction project and duration.

Activites	1-2	1-3	2-4	2-5	4-5	5-6	6-7	3-7
Duration (days)	2	2	3	4	0	6	0	8

Draw the network for the project and find critical path.

Or

- (b) The following information is given

Activity	1-2	2-3	2-4	3-5	4-6	5-6	5-7	6-7
Pessimistic Time	3	9	6	8	8	0	5	8
Most likely Time	3	6	4	6	6	0	4	5
Optimistic Time	3	3	2	4	4	0	3	2

Draw the project network and find the expected duration and variance of each activities.

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[P.T.O.]

PART C — (5 × 12 = 60 marks)

Answer ALL the questions.

16. (a) Discuss the advantages of OR studies approach in decision making.

Or

- (b) Explain the opportunities and short comings of operations research.

17. (a) Solve the following LPP graphically.

$$\text{Maximize } z = 5x_1 + 3x_2$$

Subject to constraints

$$3x_1 + 5x_2 \leq 15$$

$$5x_1 + 2x_2 \leq 0$$

$$x_1, x_2 \geq 0.$$

Or

- (b) Use graphical method to solve the LPP.

$$\text{Minimize } z = -6x_1 - 4x_2$$

Subject to constraints

$$2x_1 + 3x_2 \geq 30$$

$$3x_1 + 2x_2 \leq 24$$

$$x_1, x_2 \geq 0.$$

18. (a) Determine an optimum solution to the following transportation problem.

	Warehouse				
Factors	w1	w2	w3	w4	Capacity
F1	23	27	10	18	30
F2	12	17	20	51	40
F3	22	28	12	32	53
Demand	22	35	25	41	

Or

- (b) Determine the optimum assignment schedule for the following assignment problem.

	a	b	c	d	e
1	85	75	65	125	75
2	90	78	66	132	78
3	75	66	57	114	69
4	80	72	60	120	72
5	76	64	56	112	68

19. (a) Solve the following 2×4 game graphically.

		Player B			
Player A		B1	B2	B3	B4
	A1	2	1	0	-2
	A2	1	0	3	2

Or

(b) Solve the following game.

		Y	
X		4	1
		2	3

20. (a)

Task	1-2	1-3	1-4	2-5	3-4	3-7	4-5	4-6
Normal Time	20	8	23	19	16	24	0	18

Task	5-6	5-7	6-8
Normal Time	0	4	10

Draw the network diagram. calculate critical path and expected project duration.

Or

(b) A project schedule has the following characteristics?

JOP	to	tm	tp
1-2	1	7	13
1-6	2	5	14
2-3	2	14	26
2-4	2	5	8
3-5	7	10	19
4-5	5	5	17
6-7	5	8	29
5-8	3	3	9
7-8	8	17	32

Find the critical path, and the probability to complete the project with in 40 days.

(6 pages)

S.No. 1244

08 UBX 03

(For the candidates admitted from 2008–2009 onwards)

**B.B.A.(CA) DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2011.**

Second Semester

ORGANISATIONAL PSYCHOLOGY

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Mention any two characteristics of organisation.

நிறுவனத்தின் ஏதேனும் இரு அம்சங்களைக் குறிப்பிடுக.

2. Define 'Personality'.

ஆளுமை என்பதனை வரையறு.

3. What are the different levels of understanding human behaviour?

மனிதர் நடத்தையைப் பற்றி புரிந்து கொள்வதின் பல்வேறு நிலைகள் யாவை?

4. What do you mean by group dynamics?

குழு இயக்கம் என்றால் என்ன?

5. Define 'Morale'.

செயல் ஆர்வம் என்பதனை வரையறு.

6. What are the individual coping strategies for stress?

மன அழுத்தத்தை எதிர்கொள்ளும் விதமான தனிநபர் சார்ந்த உத்திகள் யாவை?

7. What are the factors of good work environment?

நல்ல பணிச் சூழலுக்கான காரணிகள் யாவை?

8. What is the importance of design of work places?

பணியிடங்களின் வடிவமைப்பிற்கான முக்கியத்துவம் யாது?

9. What are the internal factors of organisational change?

நிறுவன மாற்றத்திற்கான அகக்காரணிகள் யாவை?

10. What are the functions of counselling?

ஆலோசனை வழங்கலின் செயல்பாடுகள் யாவை?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the neo-classical theory of organisation.

நிறுவனம் குறித்த புதிய மரபுக் கோட்பாட்டினை விவரி.

Or

- (b) Explain the scope of organisational psychology.

நிறுவன உளவியலின் பயன்பாட்டுப்பரப்பை விவரி.

12. (a) Explain the determinants of personality.

ஆளுமையைத் தீர்மானிக்கும் காரணிகளை விவரி.

Or

- (b) Explain the causes of group formation.

குழு உருவாவதற்கான காரணங்களை விவரி.

13. (a) Explain the methods used to measure morale.

செயல் ஆர்வத்தை அளக்க உதவும் முறைகளை விவரி.

Or

- (b) Explain the organisational factors of job satisfaction.

பணி திருப்திக்கான நிறுவனம் சார்ந்த காரணிகளை விவரி.

14. (a) Explain the importance of good house keeping practices.

நல்ல பராமரிப்பு செயல்முறைகளின் முக்கியத்துவத்தை விவரி.

Or

- (b) Explain the important findings of Hawthorne experiments.

ஹாத்தான் பரிசோதனைகளின் முக்கிய கண்டுபிடிப்புகளை விவரி.

15. (a) Explain the causes of organisational change.

நிறுவன மாற்றத்திற்கான காரணிகளை விவரி.

Or

- (b) Who can do counselling in the organisation?
Why?

நிறுவனத்தில் யாரெல்லாம் ஆலோசனை
வழங்கலாம்? ஏன்?

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the various disciplines contributing to the field of organisational behaviour.

நிறுவன நடத்தை இயலுக்கு பங்களிப்பு செய்யும் பல்வேறு
துறைகளை விளக்குக.

17. Explain the determinants of individual behaviour.

தனிநபர் நடத்தையை தீர்மானிக்கும் காரணிகளை விவரி.

18. Explain the various methods of managing stress.

மன அழுத்தத்தை கையாள்வதின் பல்வேறு முறைகளை
விளக்குக.

19. Explain the various steps involved in Hawthorne experiments.

ஹாத்தான் பரிசோதனைகளின் பல்வேறு படிக்களை விவரி.

20. Explain the various types of counselling.

ஆலோசனை வழங்கலின் பல்வேறு வகைகளை விவரி.

S.No. 1368

06 UBA 03/ 06 UBX 03

(For the candidates admitted from 2006–2007 onwards)

B.B.A./B.B.A.(CA). DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2011.

Second Semester

PRINCIPLES AND PRACTICES OF MANAGEMENT

Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

Answer to each questions should not exceed 6 lines.

1. Define the term management.
2. What is unity of command?
3. What is planning?
4. Explain the term 'Decision Making'.
5. Define organisation.
6. What is span of control?
7. Define motivation.
8. Define controlling.

9. What do you mean by administration.
10. Define the term communication.

PART B — (5 × 4 = 20 marks)

Answer ALL questions.

11. (a) Explain briefly about the functions of management.

Or

- (b) Management is science or art? Discuss.

12. (a) Explain the concept of decision making.

Or

- (b) What is human resource planning?

13. (a) Explain the types of centralisation.

Or

- (b) What is departmentation?

14. (a) What are the techniques of motivation?

Or

- (b) Explain the major types of controlling.

15. (a) Discuss the various types of motivation.

Or

- (b) Describe the scope of the controlling.

PART C — (5 × 12 = 60 marks)

Answer ALL questions.

16. (a) What are the various responsibilities of managers in effective management?

Or

- (b) Critically analysis the evolution of management thoughts.

17. (a) Sketch relationship between planning and controlling.

Or

- (b) Explain the model of communication process.

18. (a) Write a note on 'MBO'.

Or

- (b) Discuss the difference between the formal and informal organisation.

19. (a) Explain briefly about the span of control.

Or

- (b) Explain the following management theory

(i) X Theory

(ii) Y Theory.

20. (a) Explain the steps in control process.

Or

- (b) Describe the functions of administration.

(For the candidates admitted from 2008–2009 onwards)

B.B.A. DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2011.

Second Semester

BUSINESS ENVIRONMENT

(Common for Elective Course)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

Answer to each question shall not exceed 6 lines.

1. Define macro environment.
2. State the components of economic environment.
3. Define culture.
4. Mention the features of caste system.
5. Define migration.
6. What is business ethics?

7. What do you mean by import of technology?
8. State the objectives of industrial licensing policy.
9. Define capitalism.
10. Mention any two achievements of public sector.

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

Answer to each question shall not exceed 3 pages.

11. (a) Explain international environment.
- Or
- (b) Explain economic environment.
12. (a) Define joint family and explain its features.

Or

- (b) Discuss any four negative impact of foreign culture.
13. (a) Discuss urbanisation.
- Or
- (b) Explain any five unethical practices being followed in business.

14. (a) Discuss the importance of technology.

Or

- (b) Explain about industrial licensing.
15. (a) Explain the role of private sector in Indian economy.

Or

- (b) Discuss the features of mixed economy.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

Answer to each question shall not exceed 6 pages.

16. Discuss about :
 - (a) Demographic environment
 - (b) Socio-cultural environment.
17. Explain change and resistance to change.
18. Explain social responsibilities of business towards consumers and Government.
19. Explain state regulations on business.
20. Discuss the features, merits and demerits of capitalism.

17. Discuss the elements of project formulation.
 18. Explain the role of commercial banks in entrepreneurial development.
 19. Explain the causes of sickness.
 20. Discuss the functions of District Industries Centre.
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S.No. 8399 A

08 UBAE 02

(For the candidates admitted from 2008–2009 onwards)

B.B.A. DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2011.

Second Semester

Elective Course

ENTREPRENEURIAL DEVELOPMENT

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

Answer to each question shall not exceed 6 lines.

1. Who are intrapreneurs?
2. State the various phases of an EDP.
3. Define a project.
4. Mention the types of business opportunities.

5. Describe institutional finance by LIC.
6. What is THIC?
7. Define a sick unit.
8. Define small scale industry.
9. Explain about SIDCO.
10. Who are women entrepreneurs?

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

Answer to each question shall not exceed 3 pages.

11. (a) Discuss the types of entrepreneurs.
Or
(b) Analyse the environmental factors affecting entrepreneurial development.
12. (a) Explain project classification.
Or
(b) Explain briefly PERT and CPM.

13. (a) Discuss the functions of IRCI.

Or

- (b) Discuss the functions of SIDBI.
14. (a) What are incentives? Explain the problems associated with incentives.
Or
(b) Explain the incentives available for development of industries in backward areas.
15. (a) Discuss the role of technical consultancy organisations.

Or

- (b) Explain the problems and prospects of entrepreneurs.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

Answer to each question shall not exceed 6 pages.

16. Analyse the role of entrepreneurs in economic development.

10. Find correlation coefficient using Karl Pearson's coefficient of correlation method

X: 10 12 18 8 13 20 22 15 5 17

Y: 88 90 94 86 87 92 96 94 88 85

11. Find for what values of x the following expression is maximum and minimum respectively

$$2x^3 - 21x^2 + 36x - 20$$

Find also the maximum and minimum values.

S.No. 4564

CRL

(For the candidates admitted from 2003–2004 onwards)

B.B.A. DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2011.

Second Semester

Allied – BUSINESS MATHEMATICS AND
STATISTICS – II

Time : Three hours

Maximum : 100 marks

SECTION A — (10 × 3 = 30 marks)

Answer ALL questions.

1. (a) Find the simple interest on the sum of Rs. 6,000 at 10% for 3 years.
- (b) Find the sum of money that yields a compound interest of Rs. 432 at 8% p.a. during the second year.
- (c) Evaluate $\lim_{x \rightarrow 1} \frac{x^3 + 1}{2x^2 + 5x + 3}$.
- (d) Evaluate $\int x^{1/2} dx$.
- (e) What are the types of correlation?

- (f) $9X - 3Y = 165$ and $3X - 4Y = 40$ are the regression equations of X and Y . Find \bar{X} and \bar{Y} .
- (g) What are the components of time series analysis?
- (h) What are the merits of graphic method?
- (i) What are the uses of index number?
- (j) Write Fisher's formula. Why it is called ideal index number formula?

SECTION B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions.

2. A sum of money invested at compound interest amounts to Rs. 21, 632.00 in 2 years and Rs. 22, 497.28 in 3 years. Find the rate of interest and the sum invested.
3. Integrate $x \log x$ w.r. to x .
4. Find $\frac{d}{dx} \left[\log_e \left(\frac{x^2 + 1}{x^2 - 1} \right) \right]$.
5. What is rank correlation?
- | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|
| X: | 50 | 60 | 65 | 70 | 75 | 40 | 70 | 80 |
| Y: | 80 | 71 | 60 | 75 | 90 | 82 | 70 | 50 |

6. Fit a straight line trend to the following time series

Year :	1990	1991	1992	1993	1994	1995
Production :	72	75	74	78	83	82

7. Compute cost of living index number

Items :	Food	Fuel	Clothing	Rent	Others
Index number :	352	220	230	160	190
Weights	48	10	8	12	15

8. Write the properties of regression lines and coefficients.

SECTION C — ($2 \times 20 = 40$ marks)

Answer any TWO questions.

9. From the data given below, find
- (a) the two regression equations
- (b) the coefficient of correlation between X and Y

X:	25	28	35	32	31	36	29	38	34	32
Y:	43	46	49	41	36	32	31	30	33	39

18. (a) How is job satisfaction measured? Discuss.

Or

(b) Discuss the methods available for the measurement of morale of employees.

19. (a) What factors would you consider as essential to good working environment?

Or

(b) A good factory layout enhances the productivity of a worker – discuss.

20. (a) Explain the measures that can be adopted to overcome resistance by employees.

Or

(b) Discuss the different types of counselling.

S.No. 1365

06 UBA 04/06 UBX 12

(For the candidates admitted from 2006-2007 onwards)

**B.B.A./ B.B.A. (CA) DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2011.**

Second and Fourth Semester

ORGANISATIONAL PSYCHOLOGY

Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

Answer to each question shall not exceed 6 lines.

1. Define organisational behaviour.
2. What is meant by Abstract theory?
3. Write a short note on locus of control.
4. Define group dynamics.
5. What is morale?
6. Where does stress come from?
7. Define work environment.

8. What do you mean by motivation?
9. What is meant by organisational change?
10. Define counselling.

PART B — (5 × 4 = 20 marks)

Answer ALL questions.

11. (a) Explain the theory of administrative management.

Or

- (b) Distinguish between formal and informal groups.

12. (a) In your own words, what is an attitude?

Or

- (b) Write short note on group cohesion.

13. (a) How does job satisfaction affect the employee's productivity?

Or

- (b) List a few benefits of morale in an organisation.

14. (a) Explain the importance of Hawthorne experiments.

Or

- (b) Explain the importance of good house keeping practices in industries.

15. (a) Distinguish between reactive change and proactive change.

Or

- (b) What are the needs for counselling in organisation?

PART C — (5 × 12 = 60 marks)

Answer ALL questions.

Answer to each question shall not exceed 5 pages

16. (a) What are the various elements of neoclassical organisation theory?

Or

- (b) Explain the nature of individual differences and their biological and environmental determinants.

17. (a) What are the major factors which shape the personality of an individual?

Or

- (b) How does the influence of membership in an informal group affect the attainment of organisational objectives?

18. What are the ten categories of functions available in Excel? Explain any four with an example.
 19. Explain briefly about any ten slide layouts in Power Point.
 20. What are the various field properties during the design of a table in Access? Explain.
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S.No. 8413 A

08 UBX 04

(For the candidates admitted from 2008–2009 onwards)

B.B.A. (CA) DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2011.

Second Semester

OPERATING SYSTEM AND OFFICE AUTOMATION

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What are the three responsibilities of the operating system in connection with disk management?
2. What do you mean by an operating system?
3. Write down the steps used for starting word through the start button.
4. Differentiate between Undo and Redo buttons in Word.
5. What are the two combo boxes in the formatting tool bar in Excel?

6. What do you mean by a cell in Excel?
7. List the four text alignment option buttons in the formatting tool bar of Power Point Window.
8. Why, the spell checker is not giving spelling error alert while using Word Art?
9. Expand GUID and VBE.
10. How to sort the data in a Data Sheet?.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Explain the various Memory management functions.

Or

- (b) Explain the following :
 - (i) Multiprogramming.
 - (ii) Address space.

12. (a) What are the four tool bars available at the top of the word screen? Explain.

Or

- (b) What are the various Auto text options available for Headers and Footers? Explain any five.

13. (a) How to copy data with drag-and-drop? Explain.

Or

- (b) What are the various number style format options in the formatting tool bar? Explain.

14. (a) What are the four options available to start a presentation? Explain.

Or

- (b) Explain the steps used for creating a table from the tool bar.

15. (a) Describe the uses of Macros in Access.

Or

- (b) How to sort and filter the data in Access? Explain.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the various components of an operating system.
17. List and explain any ten buttons on the Tables and Borders toolbar in Word.

(For the candidates admitted from 2008–2009 onwards)

B.B.A. DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2011.

Second Semester

ORGANISATIONAL PSYCHOLOGY

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Why we need to study organisational psychology?
2. What is meant by group dynamics?
3. List the qualities of an extrovert.
4. Reference Groups – Define.
5. What is occupational stress?
6. List the symptoms of good morale.
7. What is meant by 'Referent Power'?
8. Acceptance Authority – Define.
9. What is counselling?
10. What is meant by 'unfreezing/ in change?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

Answer should not exceed 3 pages.

11. (a) Write a note on contingency theory of authority.

Or

- (b) Explain the constructive role of conflicts.

12. (a) Discuss the functions of attitudes.

Or

- (b) What factors affect group cohesiveness?

13. (a) Brief the qualities of stress.

Or

- (b) Explain the factors that determine job satisfaction.

14. (a) Distinguish 'Authority' and 'Power'.

Or

- (b) Discuss the sources of authority.

15. (a) Elaborate the factors causing change.

Or

- (b) Elucidate the counselling process.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

Answer should not exceed 6 pages.

16. Detail the factors affecting organisational behaviour.

17. State how a group is formed and theories of group formation.

18. Explain the factors affecting morale and methods to improve morale.

19. Elucidate the findings of Hawthorne studies and their relevance in the modern management era.

20. Elaborate the need for counselling and types of counselling.
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