

-

-

2008 - 1429

-

:

- -

:


( )

/



20510218:

نوقشت هذه الرسالة وأجيزت بتاريخ: ١٨ / ٥ / 2008 من لجنة المناقشة المدرجة أسماءهم  
وتواقيعهم:

- |   |                                      |
|---|--------------------------------------|
| التوقيع: .....<br> | 1- رئيس لجنة المناقشة: د. سمير حزبون |
| التوقيع: .....  | 2- ممتحناً داخلياً: د. جمال حلاوة    |
| التوقيع: .....  | 3- ممتحناً خارجياً: د. سهيل سلطان    |



التوقيع: 

الاسم: محمد محمود عبد الحميد الفراجة

التاريخ: ٨ / ٦ / 2008



:

(Job Analysis)

.(2006 ).

:

(Job Specification)

:

.(2000 ).

:

(Job Description)

.(1996 ).

( )

:

(Job Evaluation)

.(1999 ).

:

:

.(2005 ).

:

) .

.(2007

2000

:

2001 ) .

.(2007

:

( )

: .  
(2003 ) .

:



/

/

( )

:

- :

- .

- .

- .

- .

- .

- .

.

.

/

/

( )

:

.

/

.

.

( )

( )

:

# **The status of job analysis and its relationship to employee performance in the Ministry of Tourism and Antiquities – West Bank**

## **Abstract**

This study aims at identification of the relationship between job analysis and work with staff performance of Ministry of Tourism and Antiquities of Northern provinces. Their employees and administrators, who supervise other employees, were basic corner of the study. A questionnaires and interviews was used to achieved the purpose of the study. The questionnaires included three main sections. The first one included general information related to personal issues whereas the second integrated the reality of job analysis and work divided into three sections, job title, job description (applicant description) and the possibilities of applying the results of job analysis and work which include sever parts. First, uses in human resources management ,in the area of employment of human resources, human resource training, of occupational safety of the staff, uses to determine wages and salaries and incentives, in planning career paths and at last uses in evaluating the performance of staff. As for the third section of the questionnaire, it included the reality of staff performance. We had ten interviews with administrators in different positions which came across the main questions in the questionnaire, also we recorded personal interviews.

The results of the study have showed that the point of view of the Ministry of Tourism and Antiquities' staff of Northern provinces was low, referring to deficiencies in the following points: low qualifications of applicants, as well as low rating in job descriptions and the uses of job analysis results were very low. Also, the study has showed that the staff performance of the Ministry of Tourism and Antiquities was low. Moreover, it showed a mutual relationship between all the elements of job analysis and work and staff performance was positive. Therefore, whenever the process of analysis increases, the level of performance will go higher.

In addition, the study has showed there is no difference between the reality of job analysis and work in the Ministry of Tourism and Antiquities and variables attributable to sex, scientific qualifications, time working before approval, period of time working at the ministry, age, place of work (province) and the number of staff under your supervision.

In regard of the study results, the researcher suggested some recommendations: the importance to define clearly the assets according to the message, strategic objectives and progress of the Ministry. Also, the necessity to carry the process of job analysis and work in the Ministry, creates clear and comprehensive job description as well as applicant descriptions' approval. Moreover, the use of analysis results in the areas of planning, training, wages, career paths and performance standards elements to act upon. He also recommended that it is very important to have job rotation and address the phenomenon of political employees and assigning legal steps to develop procedures for this purpose, were also recommended a reform of financial and administrative budgets and the provision of direct crisis due to the change as soon as possible, to protect the development goals.

---

**1.1**

:

-

-



:

:

- -  
:

: **2.1**

/

**3.1**

:

□ □

:

4.1

5.1

•

○

○

○

•

•

6.1

•

•  
•

/

•

**7.1**

:

$\alpha \leq 0.05$

•

$\alpha \leq 0.05$

•

/

:

○

○

○

○

○

○

○

○

.( )

○

○

$\alpha \leq 0.05$

•

:

/

○



.( )

- 
- 
- 
- 
- 
- 
- 
- 

: 8.1

:

:

•

/

2007

:

•

.2008

/

:

•

90

189

%.68.8

62



**1.2**

2.2

: .1.2.2

" : (2007)

"

: (2003)

.( )

:(1990)

" "

( ) (2007)

:

( )

:

:

( )

-

-

( )

:

**.2.2.2**

:

:

•

•

•

•

•

•

•

•

•

•

•

•

) .

(1990

).(2006

).(2006

:

.3.2.2

:

:

•

○

○

○

○

○

○

○

○

).

(2007

:

•

:

.

.( )

.

.

.(2005 ) .

- 
- 
- 
- 
- 

( )

:

•

:

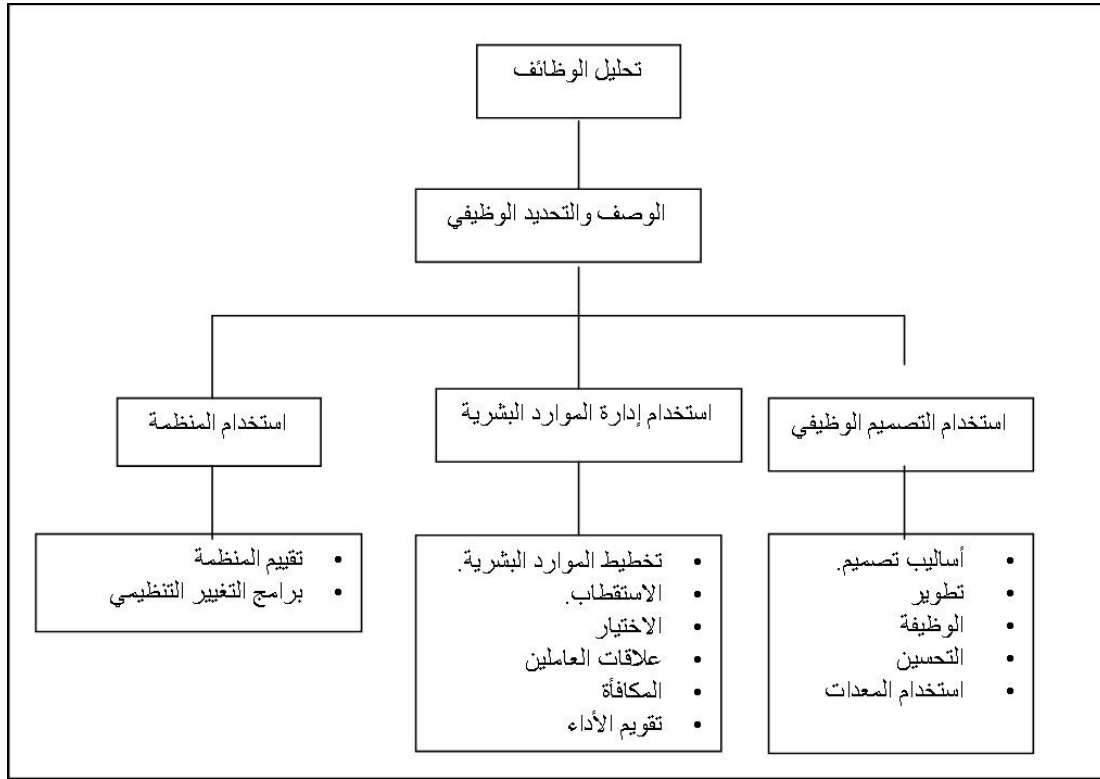
.(2005 ) .

:

:

**4.2.2**

:



:1.2

(2007)

:

•

.

...

:(2003)

.(2001 )

"

:(2006)

."

.(

)

.

:

•

.

.(1996 ) .

:(2006)

:

•



:(2001)

:

•

:

•

( )

) .

.(2006

:

•

:

) .

(2007

:

•

:

(2005 ) .

:

•

.(2000 ) .

:

•

)

.(

) .

.(1995

3.2

:

:

.1.3.2

:

- 
- 
-

.

.

:

(2002 ) .

### 2.3.2

:

: ( ) •

) .

(2006

: •

( ... )

: •

:

(2004 ) .

:(2000)

( )

- 
- 
- 
- 
- 
- 
- 
- 
- 
- 
- 
- 
- 

- 
- 
- 
- 
- 
- 
- 

- 
- 



.(2003 ) .

○

○

:

○

○

:

:

●

:

○

:

○

:

○

:

○

:

○

:

: ○

:

).

-

-

(2004

:

●

-

:

:

○

:

○

.(1990

).

:

○

:

○

.(2005

)

: ( ) o

.(1996 ) .  
: o

.(1999 ) .  
: o

. :

). .

.(2005  
: o

.(2006 ) .  
: o

.(2004 ) .  
Developing Acurricul : DACUM o  
.( ) : UM

.(2004 ) .



:

- 
- 
- 
- \* ○
- 
- 
- 

(2000 ).

:

:

●

:

○

:

○

:

○

(1999 ).

:

●

(2006 ) .

:

•

:

○

○

○

○

○

○

○

(2000

).( )

:

•

:

:

-

○

:

-

:

.(2007 ) .

: -

: -

) .

(2000

: : ( ) :

( ) ( ) ( )

) .

.(1990

: -

: -

. -  
.  
:  
- ○

.(2000 ) .

:

.(2005 ) :1

---

. :  
. :  
. :  
.5/ / :

---

:

---

- :
- ☒
- ☒
- ☒
- ☒
- ☒



---

---

---

---

---

2000/11/5 :

.(2005 ) :2

|        |   |        |
|--------|---|--------|
| .....: | / | .....: |
| .....: |   | .....: |
| .....  | / | .....: |

:

.....

.....

:

.....:

.....:

.....:

:

.....

.....

:

.....

.....

.....

.....

.....

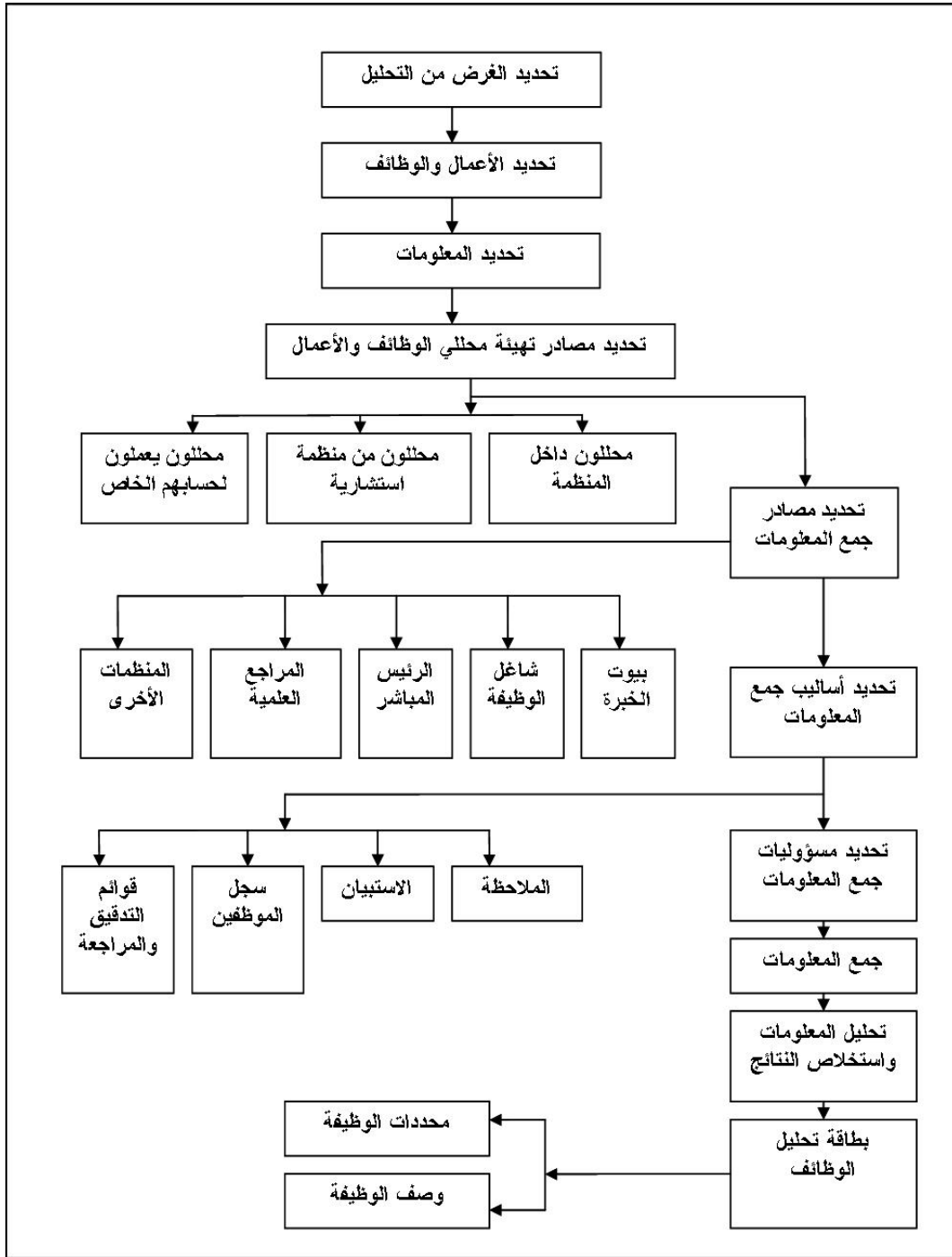
.....

.....

.....

)

(2005



:2.2

4.2

: **.1.4.2**

.(2005 ) .

: **.2.4.2**

:

:

.(2003 ) .

: **.3.4.2**

( )

(194)

" "

:



(2003 ) . ( ) :1.2

|    |          |
|----|----------|
|    |          |
| 35 | :<br>( ) |
| 14 | :        |
| 49 | :        |
| 36 | :        |
| 19 | :        |
| 41 | :        |

" " " " " " " " :  
.

(2005 ) .

: **.4.4.2**

:

:

( )

(30.000)

.

.

:

:2.2

|   |   |   |
|---|---|---|
|   |   |   |
| 0 | 0 | 0 |
| 1 | 1 | 1 |
| 2 | 2 | 2 |
| 3 | 3 | 3 |
| 4 | 4 | 4 |
| 5 | 5 | 5 |
| 6 | 6 | 6 |
| 7 | 7 |   |
|   | 8 |   |

(000)

:

- .(5) / •
- .(6) / •
- .(6) / •

-

( 6.6.5)

:

-

- . 2 / •
- .1 / •
- .5 / •
- .( 5.1.2) •

.(2003 ) .

: **.5.4.2**

:

( 2005 ) .

**5.2**

: **.1.5.2**

"

.(2003 ) ."

" :

.(2003 ) "

(Sutermeister)

.(2003 ) :

"

.(2003 ) ."

"

"

(Thomas Gilbert)

:

:

:

.(2003 ) .

.(2003 ) .

"

.

.

: **.2.5.2**

:

" "

:

•

" "

:

•

" "

:

•

.(2003 1983 ).

: " "

: •

: •

: •

:

.

:

.(2003 1983 ) .

: (Haynes)

: •

: •

: •

1988 ).

.(2003

:

.

: •

- -

( )

: •

: •

: •

.(2003 ).

: **.3.5.2**

: (Haynes)

: - •

-

-

:

:

:

○

：

○

：

：

○

：

-

●

" "

1988 ) .

" " .(2003

：

( )



:

" "

.

" " :

-

●

:

" "

.(2003 1988 ) .

" "

" "

.

:

○

○

○  
○  
○  
○  
○  
○  
○  
○  
○  
○

.(2003 1983 )

: " "

( ) :

( ) :

( ) :

( ) )

:

:

).

.(2003

: **.4.5.2**

: **.1.4.5.2**

.(2006 ) .

:

:(2003) " "

(2005)

"

- 
- 
- 

.2.4.5.2

:

:

•

(2007 ).

○

○

○

○

○

(2005 )

○

○

:

-

:

-

(2005 ).

-

.  
 :  
 •  
 ○  
 ○  
 (2002 ) .  
 ○  
 ○  
 .(2005 ) .  
 ( )  
 - ○  
 )  
 .(  
 ○  
 ) .  
 (2002  
 ○  
 - -  
 ○

(2007 ) .

:

•

(2006 ) .

:

•

(2005 ) .

:

•

:

○

○

○

○

(2007 ) .

:

•

(2006 ) .

:

•

) .

.(2005

:

•

:

•

(2007 )

:

•

(2006 ) .

:

**.3.4.5.2**

( )



□

□

□

( )

(2005)"

"

)

:

(

:

•

:

(Essay)

○

(Field Review)

○

(Relative Rating Scale)

○

(Critical Inciden)

○

(Work Standards)

○

(Assessment Center)

○

(Paired Comparison)

○

:(2005)

" "

:(

)

•

:

:(2003)

" "

:

•

( )

( )

.(2003 ) .

:(2003)

:

:

:

:( Relative Judgment) ( )

•

( )

:( Absolute Judgment)

•

Traits Performance Measurement :

•

:(System)

:

:(Behavioral Appraisal System)

•

:

) :

.(

:  
(2003 ).

:

:

•

:

○

○

○

○

○

•

:

•

:

•

:

•

(2005 ).

: (2005) " "

- 
- 
- 
- 
- 
- 
- 

.( )

: ( )

:

- 

- 
- 
- 

.(2001 ).

- 
- 
- 

:

.(2001 ).

- 
- 
- 

:

- 

.(2001 ).

- 
- 
-

**6.2**

(1998) (4)

.(2005 )

2004/11/24

"

"

2005/3/2

) .2005/8/15

.(2007

:

**.1.6.2**

( )

:

:

" :

(32)

•

.(%100-85)

○

.(%84-75)

○

.(%74-65) ○

."(%64-50) ○

(33) ●

○

○

○

( ) ( )  
( ) ( )  
( )

○

) : "

○

.(2007

" : (34) ●

- .(2007 ) : "

-

" : (35) •

: ."

) .

.(2007

: 2005 (36) •

○

○

○

)."

○

.(2007

" : (37) •

."

" : (38) •

."

.(2007

)

" : (39) •

"

" : (40) •

) :

.(2007

: (41) •

:

○

○

○

" : (42) •

) :

.(2007

(39 38)

(41) .

(42) .



7.2

1994/5/4

.(1997 ) .

"

"

"

1994/11/15

"

.(2007 ( )

) .

:

**.1.7.2**

.(2005

) .

**.2.7.2**

)

:::(2005

•

•

•

:

•

:

2000

:

%80

•

•

.%80

•

•

•

:

**.3.7.2**

:

(1965) (45)

•

(1998) (1)

•

(1965) (45)

}

(14)

•

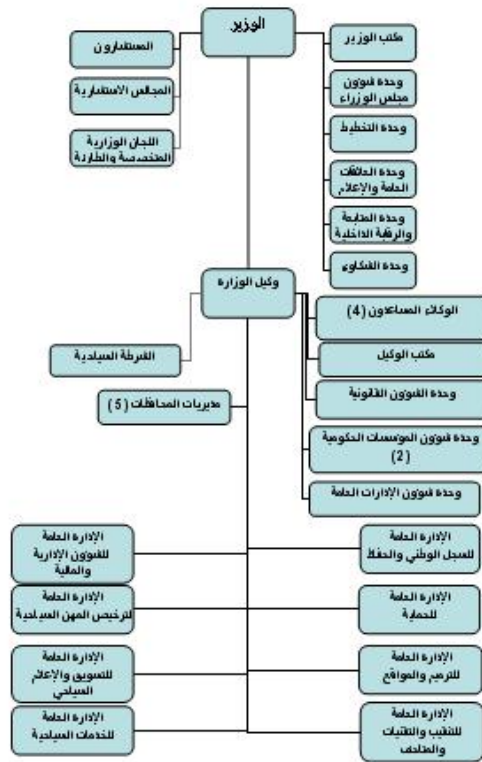
:

- .( ) (1966) (46) ○
- .( ) (1966) (47) ○
- .( ) (1966) (48) ○
- .( ) (1966) (49) ○

(1966) (51) •

(1929) (51) •

.(2005 ) .



.(2005 ) .

:3.2

8.2

.  
:  
.1.8.2

" : (2006)

."

:

:

)

(

:

."

" :

(1992)

:

- 
- 
- 
- 
- 

" : (1999)

" :

(255)

(300)

(32)

(%85)

:

- 
- 
-

:

" : (1998)

"

(20)

(263)

%20

:

•

•

•

•

•

•

.( ) .

" : (2003)

"

:

- 
- 
- 
- 
- 
- 

" : (2005)

"

)  
(300)

(1200)

%25

(

:

- 
-



•

•

•

•

:

" : (2007)

"

-

-

:

:

)

.(

%51

(155)

:

•

•

•

:

•

:

•

" : (2006)

"

.

(21)

(4)

(50)

:

•

.

•

.

•

.

•

.

:(2005)

2000

UNDP/WTO

:

•

•

•

•

•

:

•

•

•

•

•

.(1997-2000

•

.(

)

•

(36)

:

.2.8.2

:

" : (2003)

(240)

(318)

:

•

•

•

" : (2007)

:"

(382)

:

(175) %45

- 
- 
- 
- 

:"

" ;

(2003)

" "

:

- 
- 
- 
- 

:

:

" :

(2007)

:"

:

:  
)  
.(  
.  
.  
.  
.  
.

- 
- 
- 
- 
- 

" : (2006)  
"

: ( )

%94 (160) (150)  
:

- 
- 
-

:

•

:

•

•

" :

(2007)

:"

( )

(143)

:

•

•

•

" :

(2006)

:"

2004

.2005

(108)

:

•

•

:

•

" : (2003)  
:"

-

-

(200)

:

•

•

:

- 
- 
- 
- 
-



•

•

.3.8.2

:

."

":

(2002) (Orest)

)

(116)

(

:

.(Moro)

•

•

•

•

•

":

(2005) (Spano)

."

:

•

•

•

•

•

•

•

○

○

○

○

○

---

**1.3**

/

.

**2.3**

.

)

(

.

**3.3**

"t-test"

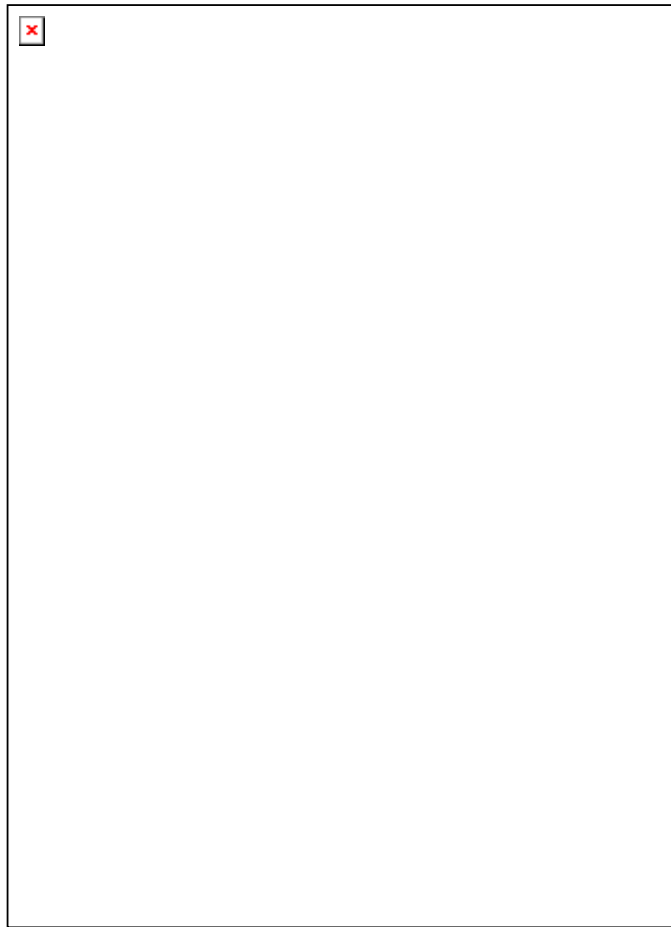
"one way anova"

4.3

/

(90)

(1.3) .(2005 .(% 68.8) (62)

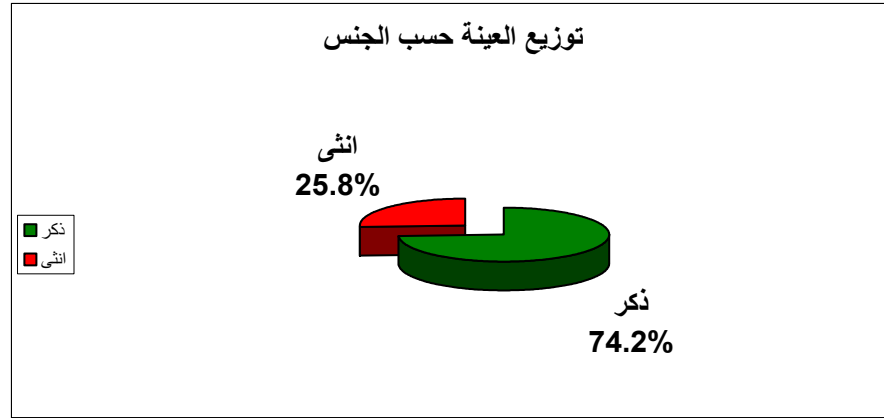


:

:1.3:

(2.3)

. %25.8      %74.2



:2.3:

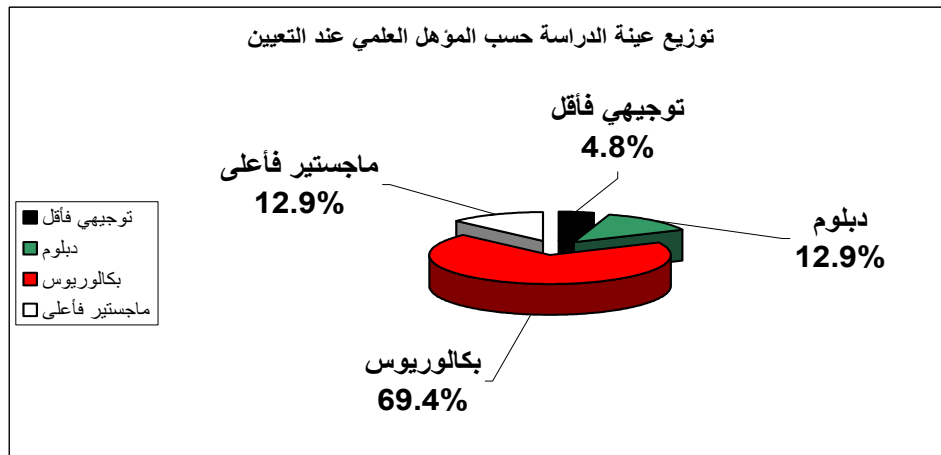
(3.3)

%12.9

%4.8

%12.9

%69.4



:

:3.3:

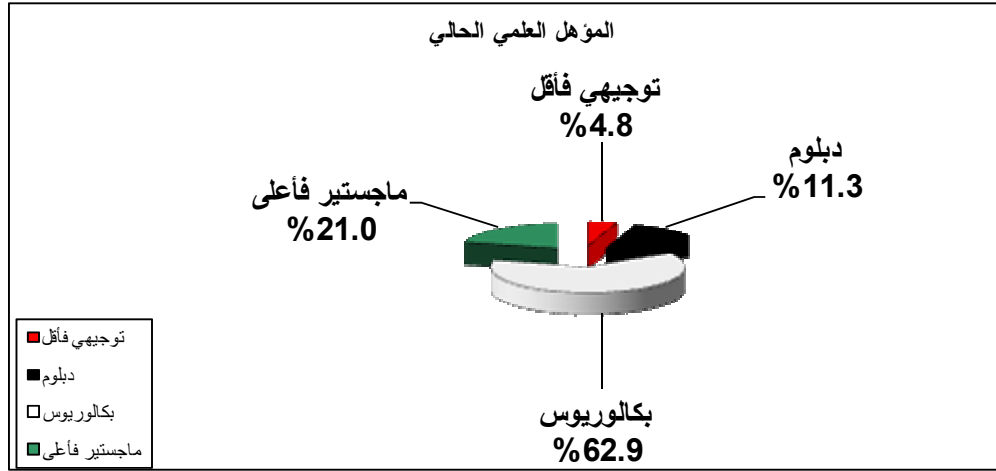
(4.3)

%11.3

%4.8

%21

%63.9



:

:4.3:

(5.3)

5-3 %17.7

3

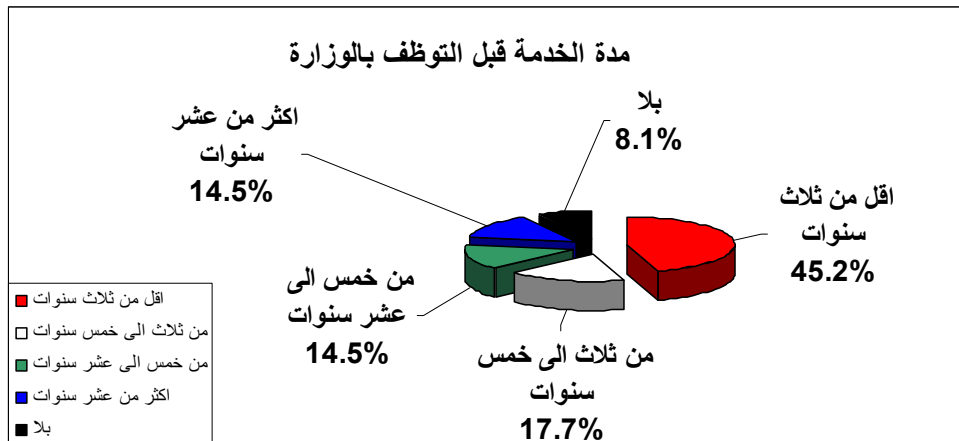
%45.2

10

%14.5

10-5

.% 14.5

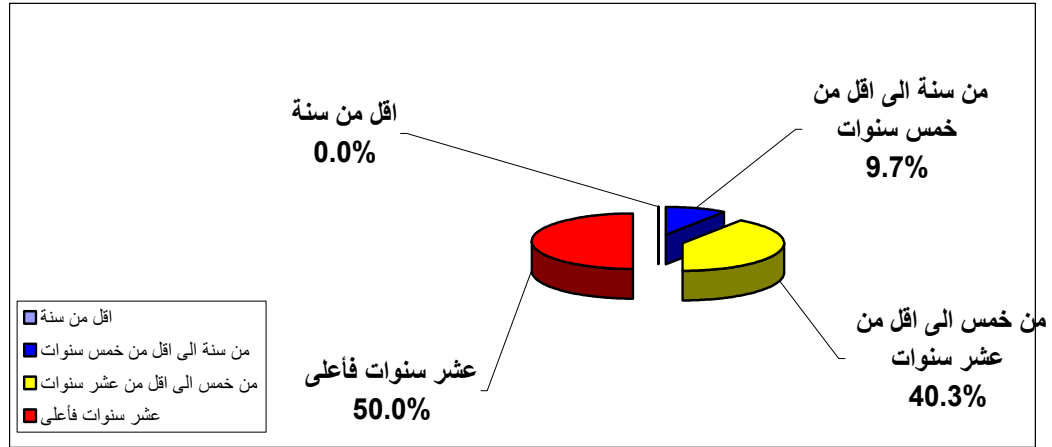


:

:5.3:

(6.3)

5 %9.7 %0  
%50.0 %40.3  
10

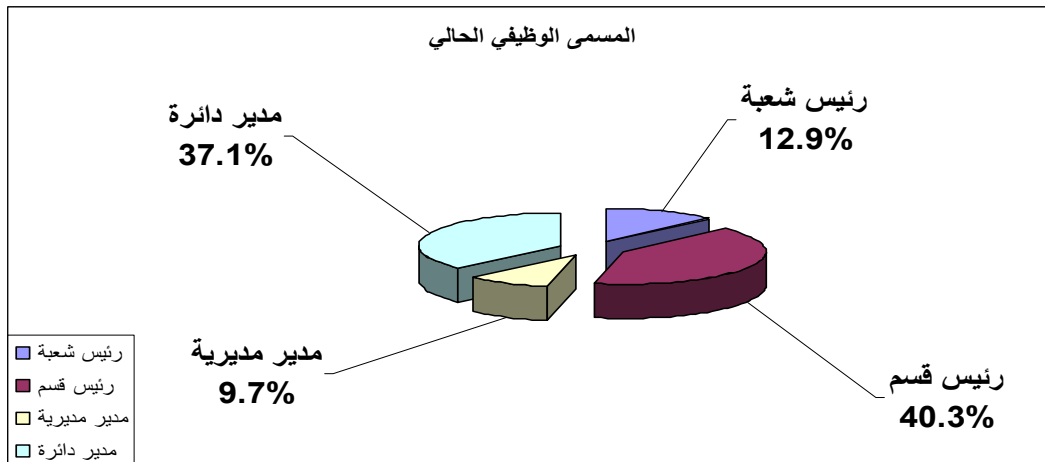


:

:6.3:

(7.3)

%9.7 %40.3 %12.9  
%37.1



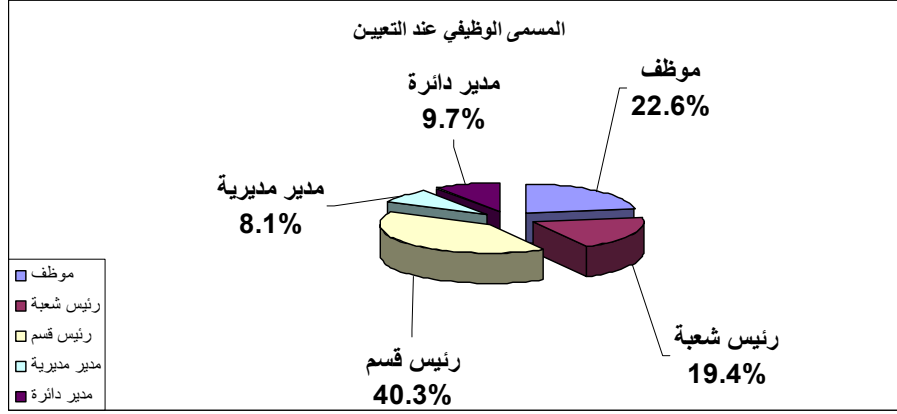
:

:7.3:

(8.3)

%19.4      %22.6

%9.7      %8.1      %40.3



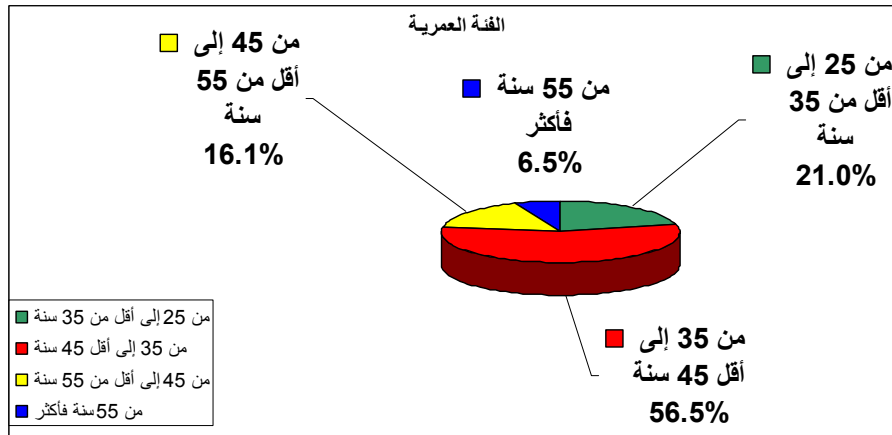
: 8.3 :

(9.3)

45) (35) %21.0      (35) (25)

(55) (45) %16.1      %56.5

.%6.5      (55)

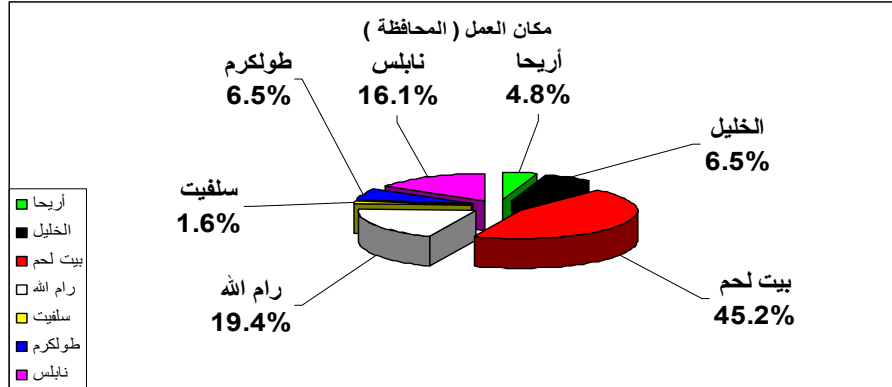


: 9.3 :



(10.3) ( )

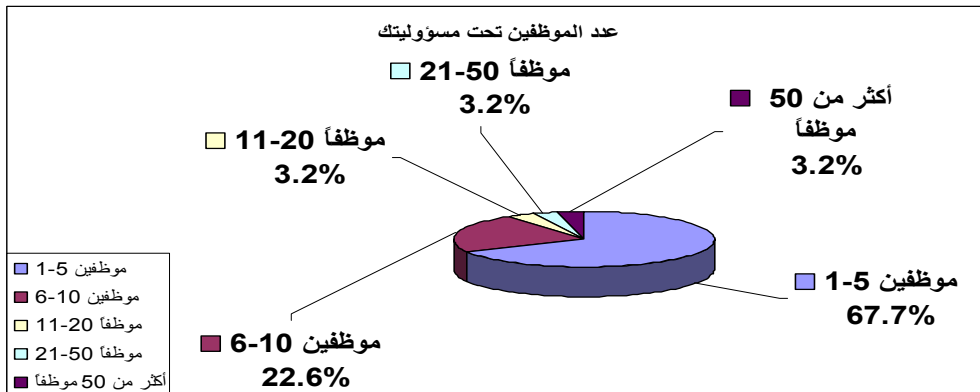
%4.8 :  
 %45.2 %6.5  
 %1.6 %19.4  
 .%16.1 %6.5



( ) :10.3:

(11.3)

%22.6 10-6 %67.7 5-1  
 50 %3.2 50-21 20-11 %3.2  
 .%3.2



: :11.3:

: :6.3

(Pearson Correlation)

.( -4.3 -4.3 -3.3 -3.3 -3.3 2.3 -1.3 -1.3)

(Pearson Correlation)

: -1.3

:

|       | <b>R</b> |     |    |
|-------|----------|-----|----|
| 0.000 | 0.622    | ( ) | 1  |
| 0.000 | 0.769    |     | 2  |
| 0.000 | 0.658    |     | 03 |
| 0.000 | 0.671    |     | 4  |
| 0.000 | 0.668    |     | 5  |
| 0.000 | 0.460    |     | 6  |
| 0.000 | 0.579    |     | 7  |
| 0.000 | 0.626    |     | 8  |
| 0.000 | 0.674    |     | 9  |
| 0.000 | 0.551    |     | 10 |
| 0.001 | 0.408    |     | 11 |
| 0.000 | 0.604    |     | 12 |
| 0.000 | 0.589    |     | 13 |
| 0.000 | 0.548    |     | 14 |
| 0.000 | 0.597    |     | 15 |
| 0.000 | 0.625    |     | 16 |
| 0.000 | 0.633    |     | 17 |

(Pearson Correlation)

: -1.3

:

|       | <b>R</b> |  |    |
|-------|----------|--|----|
| 0.000 | 0.733    |  | 18 |
| 0.000 | 0.576    |  | 19 |
| 0.000 | 0.611    |  | 20 |
| 0.000 | 0.591    |  | 21 |
| 0.000 | 0.699    |  | 22 |
| 0.000 | 0.581    |  | 23 |
| 0.002 | 0.381    |  | 24 |
| 0.000 | 0.582    |  | 25 |

(Pearson Correlation)

:2.3

:

|       | <b>R</b> |  |    |
|-------|----------|--|----|
| 0.000 | 0.513    |  | 26 |
| 0.000 | 0.775    |  | 27 |
| 0.000 | 0.858    |  | 28 |
| 0.000 | 0.827    |  | 29 |
| 0.000 | 0.856    |  | 30 |
| 0.000 | 0.841    |  | 31 |
| 0.000 | 0.856    |  | 32 |
| 0.000 | 0.737    |  | 33 |
| 0.000 | 0.862    |  | 34 |
| 0.000 | 0.909    |  | 35 |
| 0.000 | 0.829    |  | 36 |
| 0.000 | 0.821    |  | 37 |
| 0.000 | 0.618    |  | 38 |
| 0.000 | 0.838    |  | 39 |

(Pearson Correlation)

: -3.3

:

|       | <b>R</b> |  |    |
|-------|----------|--|----|
| 0.018 | 0.300    |  | 40 |
| 0.001 | 0.426    |  | 41 |
| 0.000 | 0.509    |  | 42 |
| 0.239 | 0.152    |  | 43 |
| 0.888 | 0-.018   |  | 44 |
| 0.291 | 0.136    |  | 45 |
| 0.000 | 0.603    |  | 46 |
| 0.000 | 0.704    |  | 47 |
| 0.000 | 0.511    |  | 48 |
| 0.000 | 0.510    |  | 49 |
| 0.000 | 0.678    |  | 50 |
| 0.000 | 0.639    |  | 51 |
| 0.000 | 0.693    |  | 52 |
| 0.000 | 0.739    |  | 53 |
| 0.000 | 0.684    |  | 54 |
| 0.000 | 0.680    |  | 55 |
| 0.000 | 0.625    |  | 56 |
| 0.000 | 0.771    |  | 57 |
| 0.000 | 0.763    |  | 58 |
| 0.000 | 0.690    |  | 59 |
| 0.000 | 0.790    |  | 60 |
| 0.000 | 0.643    |  | 61 |
| 0.000 | 0.530    |  | 62 |
| 0.000 | 0.685    |  | 63 |
| 0.000 | 0.749    |  | 64 |
| 0.000 | 0.683    |  | 65 |
| 0.000 | 0.740    |  | 66 |
| 0.000 | 0.718    |  | 67 |
| 0.000 | 0.575    |  | 68 |

(Pearson Correlation)

: -3.3

:

|       | <b>R</b> |  |    |
|-------|----------|--|----|
| 0.000 | 0.660    |  | 69 |
| 0.000 | 0.640    |  | 70 |
| 0.000 | 0.700    |  | 71 |
| 0.000 | 0.574    |  | 72 |
| 0.000 | 0.658    |  | 73 |
| 0.000 | 0.786    |  | 74 |
| 0.000 | 0.707    |  | 75 |
| 0.000 | 0.626    |  | 76 |
| 0.000 | 0.714    |  | 77 |
| 0.000 | 0.470    |  | 78 |
| 0.000 | 0.437    |  | 79 |
| 0.000 | 0.413    |  | 80 |
| 0.000 | 0.762    |  | 81 |
| 0.000 | 0.766    |  | 82 |
| 0.000 | 0.831    |  | 83 |
| 0.000 | 0.756    |  | 84 |
| 0.000 | 0.833    |  | 85 |
| 0.000 | 0.789    |  | 86 |
| 0.000 | 0.681    |  | 87 |
| 0.000 | 0.836    |  | 88 |
| 0.000 | 0.803    |  | 89 |
| 0.000 | .829     |  | 90 |
| 0.000 | 0.877    |  | 91 |
| 0.000 | 0.755    |  | 92 |
| 0.000 | 0.806    |  | 93 |
| 0.000 | 0.623    |  | 94 |
| 0.000 | 0.714    |  | 95 |

(Pearson Correlation)

: -3.3

:

|       | <b>R</b> |  |     |
|-------|----------|--|-----|
| 0.000 | 0.590    |  | 96  |
| 0.000 | 0.780    |  | 97  |
| 0.000 | 0.728    |  | 98  |
| 0.000 | 0.793    |  | 99  |
| 0.000 | 0.865    |  | 100 |
| 0.000 | 0.830    |  | 101 |
| 0.000 | 0.816    |  | 102 |
| 0.000 | 0.787    |  | 103 |
| 0.000 | 0.831    |  | 104 |
| 0.000 | 0.709    |  | 105 |
| 0.000 | 0.783    |  | 106 |
| 0.000 | 0.786    |  | 107 |

(Pearson Correlation)

: -4.3

:

|       | <b>R</b> |     |     |
|-------|----------|-----|-----|
| 0.000 | .546     |     | 108 |
| 0.000 | 0.562    | ( ) | 109 |
| 0.000 | 0.513    |     | 110 |
| 0.000 | 0.663    |     | 111 |
| 0.000 | 0.691    |     | 112 |
| 0.000 | 0.688    |     | 113 |
| 0.000 | 0.718    |     | 114 |
| 0.000 | 0.580    |     | 115 |
| 0.000 | 0.736    |     | 116 |
| 0.000 | 0.759    |     | 117 |

(Pearson Correlation)

: -4.3

:

|       | <b>R</b> |                    |     |
|-------|----------|--------------------|-----|
| 0.000 | 0.595    |                    | 118 |
| 0.000 | 0.791    |                    | 119 |
| 0.000 | 0.718    |                    | 120 |
| 0.000 | 0.793    |                    | 121 |
| 0.000 | 0.751    |                    | 122 |
| 0.000 | 0.768    |                    | 123 |
| 0.000 | 0.730    | ( )                | 124 |
| 0.000 | .7910    |                    | 125 |
| 0.000 | 0.606    | درجة ملاءمة المؤهل | 126 |
| 0.000 | 0.713    |                    | 127 |
| 0.000 | 0.782    |                    | 128 |
| 0.000 | 0.777    |                    | 129 |
| 0.000 | 0.561    |                    | 130 |
| 0.001 | 0.421    |                    | 131 |
| 0.000 | 0.652    |                    | 132 |
| 0.000 | 0.743    |                    | 133 |
| 0.000 | 0.679    |                    | 134 |
| 0.000 | 0.576    |                    | 135 |

7.3

(0.9842)

:

: :5.3

|               |  |
|---------------|--|
|               |  |
| 0.9267        |  |
| 0.9559        |  |
| 0.9820        |  |
| 0.9549        |  |
| <b>0.9842</b> |  |

:

:

: **.1.8.3**

.( ) : : •  
 ) : : •  
 .( ) : : •  
 .( ) : : •  
 (5-1) ) : : •  
 .( (10) (10) (5) : •  
 (5-3) (3) ) : : •  
 .( (10) (10-5) : •  
 ) : : •  
 .( ) : : •  
 .( ) : : •  
 (55-45) (45-35) (35-25) : : •  
 .( (55) : •



(20-11) (5-1) ):

:

•

.(50)

(50-21)

.( )

•

:

**.2.8.3**

. /

•

. /

•

---

**1.4**

"

:(1.4)

"

.(2008 ) (2008 )

:1.4

|          |          |  |
|----------|----------|--|
|          |          |  |
| %50      | 2.5      |  |
| %59.9-50 | 2.99-2.5 |  |
| %69.9-60 | 3.5-3    |  |
| %79.9-70 | 3.99-3.5 |  |
| %80      | 4        |  |

: . 1.1.4

:

: .1.1.1.4

.( -2.4 -2.4)

: -2.4 :

|  |       |      |    |     |    |
|--|-------|------|----|-----|----|
|  |       |      |    |     |    |
|  | 1.021 | 3.33 | 1  |     | 1  |
|  | 1.098 | 3.32 | 2  | ( ) | 2  |
|  | 1.210 | 3.24 | 3  |     | 3  |
|  | 1.169 | 3.24 | 3  |     | 4  |
|  | 1.12  | 3.23 | 5  |     | 5  |
|  | 1.069 | 3.19 | 6  |     | 6  |
|  | 1.079 | 3.18 | 7  |     | 7  |
|  | 1.063 | 3.13 | 8  |     | 8  |
|  | 1.067 | 3.10 | 9  |     | 9  |
|  | 1.149 | 3.08 | 10 |     | 10 |
|  | 1.062 | 2.95 | 11 |     | 11 |
|  | .963  | 2.92 | 12 |     | 12 |
|  | 1.155 | 2.90 | 13 |     | 13 |

:

: -2.4 :

|  |               |               |    |  |    |
|--|---------------|---------------|----|--|----|
|  |               |               |    |  |    |
|  | 1.099         | 2.85          | 14 |  | 14 |
|  | 1.079         | 2.82          | 15 |  | 15 |
|  | 1.171         | 2.81          | 16 |  | 16 |
|  | 1.099         | 2.81          | 16 |  | 17 |
|  | 1.151         | 2.77          | 18 |  | 18 |
|  | 1.035         | 2.76          | 19 |  | 19 |
|  | 1.169         | 2.76          | 19 |  | 20 |
|  | 1.122         | 2.71          | 21 |  | 21 |
|  | 1.037         | 2.68          | 22 |  | 22 |
|  | 1.032         | 2.60          | 23 |  | 23 |
|  | 1.127         | 2.50          | 24 |  | 24 |
|  | 1.107         | 2.29          | 25 |  | 25 |
|  | <b>0.6622</b> | <b>2.9265</b> |    |  |    |

(0.6622)

(2.9265)

(14)

(10)

" ( ) " (3.32) (3.33)  
 (3.24) "  
 " (3.23) "



" :(2005)

"

:(2007) " "

" :(1992) " "

"

" :(1999) " "

"

: **.2.1.1.4**

.(3.4)

: : :3.4

|  |        |        |    |  |    |
|--|--------|--------|----|--|----|
|  |        |        |    |  |    |
|  | 1.260  | 3.29   | 1  |  | 26 |
|  | 1.269  | 3.12   | 2  |  | 27 |
|  | 1.256  | 3.11   | 3  |  | 28 |
|  | 1.41   | 3.06   | 4  |  | 29 |
|  | 1.234  | 3.05   | 5  |  | 30 |
|  | 1.324  | 2.98   | 6  |  | 31 |
|  | 1.279  | 2.94   | 7  |  | 32 |
|  | 1.121  | 2.92   | 8  |  | 33 |
|  | 1.211  | 2.90   | 9  |  | 34 |
|  | 1.231  | 2.84   | 10 |  | 35 |
|  | 1.161  | 2.79   | 11 |  | 36 |
|  | 1.155  | 2.76   | 12 |  | 37 |
|  | 1.197  | 2.76   | 12 |  | 38 |
|  | 1.113  | 2.68   | 14 |  | 39 |
|  | 0.9825 | 2.9424 |    |  |    |

(0.9825)

(2.9424)

(9)

(5)

"

"

"

"

"

(3.12) (3.29)

"

(3.11)

"

(3.06)

"

"

(2.68)

(3.05)

"

"

"

"

"

"

(2.76)

"

" (2.84)

(2.79)

"

"

2007/3/1

2004

.2000

"

(1)

"

:(2005)



”

” ”

”

”

”

2005

( )

” (1)

”

” (2007) ”

”

(2006) ”

”

( )

( )

: **.3.1.1.4**

“

•

( -4.4 -4.4)

: -4.4

:

|  |       |      |    |  |    |
|--|-------|------|----|--|----|
|  |       |      |    |  |    |
|  | 0.846 | 3.16 | 1  |  | 40 |
|  | 0.956 | 3.15 | 2  |  | 41 |
|  | 0.975 | 3.03 | 3  |  | 42 |
|  | 1.241 | 2.74 | 4  |  | 43 |
|  | 1.198 | 2.68 | 5  |  | 44 |
|  | 1.120 | 2.63 | 6  |  | 45 |
|  | 1.044 | 2.63 | 6  |  | 46 |
|  | 1.178 | 2.61 | 8  |  | 47 |
|  | 1.141 | 2.55 | 9  |  | 48 |
|  | 1.112 | 2.53 | 10 |  | 49 |
|  | 1.211 | 2.52 | 11 |  | 50 |
|  | 1.154 | 2.44 | 12 |  | 51 |
|  | 1.137 | 2.40 | 13 |  | 52 |
|  | 1.105 | 2.37 | 14 |  | 53 |
|  | 1.130 | 2.26 | 15 |  | 54 |

: -4.4

:

|  |              |              |    |  |    |
|--|--------------|--------------|----|--|----|
|  |              |              |    |  |    |
|  | 1.103        | 2.21         | 16 |  | 55 |
|  | 1.011        | 2.16         | 17 |  | 56 |
|  | <b>1.166</b> | <b>2.776</b> |    |  |    |

(1.166)

(2.776)

(3)

(6)

(8)

(3.16) "

"

" (3.03)

"

"

(3.15)

" (2.74)

"

.(2.68)

"

"

(2.16)

"

"

"

(2.21)

(2.37)

"

"

(2.26)

.(2.40)

)

(

( )

(2.68)

" (2005)

" "

(10 ) "

"

(4)

"

"

"

"

" (9)

"

(6)

"

" (3)

" (8)

"2000

"

"

.(1) ."

.

"

•

.(5.4)

:5.4

:

|  |              |             |   |  |    |
|--|--------------|-------------|---|--|----|
|  |              |             |   |  |    |
|  | 1.223        | 2.56        | 1 |  | 57 |
|  | 1.264        | 2.53        | 2 |  | 58 |
|  | 1.384        | 2.40        | 3 |  | 59 |
|  | 1.191        | 2.37        | 4 |  | 60 |
|  | 1.239        | 2.19        | 5 |  | 61 |
|  | 1.152        | 2.15        | 6 |  | 62 |
|  | 1.299        | 2.13        | 7 |  | 63 |
|  | <b>1.250</b> | <b>2.33</b> |   |  |    |

(1.250)

(2.33)

(2.56)

"

(5)

"

(2.53)

"

"

:

(2.13)

(2.15)

(2.19)

(2.40)

(2.37)

(1998)

(1999)

- - -

"

"

(2005)

"

"

(%60)

(%40)

"

"

(8) (1)

"

•

.( -6.4 -6.4)

: -6.4

:

|  |       |      |   |  |    |
|--|-------|------|---|--|----|
|  |       |      |   |  |    |
|  | 1.107 | 3.26 | 1 |  | 64 |
|  | 1.107 | 3.26 | 1 |  | 65 |
|  | 1.081 | 3.06 | 3 |  | 66 |

: -6.4

:

|  |       |      |   |  |    |
|--|-------|------|---|--|----|
|  |       |      |   |  |    |
|  | 0.997 | 2.74 | 4 |  | 67 |
|  | 0.997 | 2.74 | 4 |  | 68 |
|  | 1.070 | 2.66 | 6 |  | 69 |
|  | 0.936 | 2.47 | 7 |  | 70 |
|  | 1.084 | 2.36 | 8 |  | 71 |
|  | 1.084 | 2.36 | 8 |  | 72 |
|  | 1.084 | 2.36 | 8 |  | 73 |
|  | 1.054 | 2.72 |   |  |    |

(1.054)

(2.72)

(6)

(4)

(3.26)

(3.26)

(3.06)

(2.74)

(2.36)

(2.47)

(2.66)

( )



(2005)

" : (4)

"

" : (5)

"

" : (2006)

"

:(2007)

:(2004)

.(11.10.9.8.7.6.4)

1998

.(1.3.5)

2004

.(7.4)

□ □ □ □



" (2.39)

"

"

(2.40)

"

.

:(2003)

.

.

.

:

.

.

.

•

.(8.4)

:8.4

:

|  |              |             |   |  |    |
|--|--------------|-------------|---|--|----|
|  |              |             |   |  |    |
|  | 1.055        | 2.66        | 1 |  | 82 |
|  | 1.070        | 2.66        | 1 |  | 83 |
|  | 1.152        | 2.60        | 3 |  | 84 |
|  | 1.167        | 2.58        | 4 |  | 85 |
|  | 1.066        | 2.55        | 5 |  | 86 |
|  | .9540        | 2.52        | 6 |  | 87 |
|  | 1.067        | 2.48        | 7 |  | 88 |
|  | <b>1.075</b> | <b>2.57</b> |   |  |    |

(1.075)

(2.57)

(6)

.

" (2.66)

" " " "

(2.60) " "

(2.58) " "

" (2.48) " "

(2.52) "

.(2.55)

:(2005)

"

( )

(2007)

.( ) .

2005

(9.4)

:9.4

:

|  |              |             |   |  |    |
|--|--------------|-------------|---|--|----|
|  |              |             |   |  |    |
|  | 1.180        | 2.60        | 1 |  | 89 |
|  | 1.344        | 2.35        | 2 |  | 90 |
|  | 0.991        | 2.34        | 3 |  | 91 |
|  | 1.348        | 2.23        | 4 |  | 92 |
|  | 1.297        | 2.08        | 5 |  | 93 |
|  | <b>1.232</b> | <b>2.32</b> |   |  |    |

(1.232)

(2.32)

(4)

"

(2.35)

"

(2.60)

"

"  
.(2.23)

"  
(2.08)

(2007)

.( .1.3.4.6.8.11 ) .

.(5.7 ) .



(10.4)

:10.4

:

|  |              |              |    |  |     |
|--|--------------|--------------|----|--|-----|
|  |              |              |    |  |     |
|  | 1.267        | 2.97         | 1  |  | 94  |
|  | 1.178        | 2.92         | 2  |  | 95  |
|  | 1.112        | 2.76         | 3  |  | 96  |
|  | 1.352        | 2.68         | 4  |  | 97  |
|  | 1.127        | 2.52         | 5  |  | 98  |
|  | 1.264        | 2.52         | 5  |  | 99  |
|  | 1.211        | 2.48         | 7  |  | 100 |
|  | 1.155        | 2.47         | 8  |  | 101 |
|  | 1.124        | 2.42         | 9  |  | 102 |
|  | 1.296        | 2.37         | 10 |  | 103 |
|  | 1.191        | 2.37         | 10 |  | 104 |
|  | 1.22         | 2.31         | 12 |  | 105 |
|  | 1.189        | 2.21         | 13 |  | 106 |
|  | 1.244        | 2.16         | 14 |  | 107 |
|  | <b>1.128</b> | <b>2.344</b> |    |  |     |

|        |   |         |        |          |
|--------|---|---------|--------|----------|
|        |   | (1.128) |        | (2.344)  |
|        |   | (6)     |        | (8)      |
|        |   | "       |        | "        |
|        |   | (2.92)  |        | (2.97)   |
|        |   | (2.76)  |        |          |
|        |   |         | (2.68) |          |
|        |   | "       |        | " (2.52) |
|        | " |         |        | " (2.16) |
| (2.31) | " |         |        | " (2.21) |
|        | " |         |        | "        |
|        | " |         |        | " "      |
|        |   |         |        | " "      |
| 2007   | — |         | —      |          |
| (5)    |   |         |        |          |
|        |   | :       |        | (11)     |

:

(2.32)

(11.4)

:

(2.942)

(2.926)

(2.788)

.(2.498)

(0.889)

.( )

%60

.  
:11.4

:

|  |       |       |  |
|--|-------|-------|--|
|  |       |       |  |
|  | 0.662 | 2.926 |  |
|  | 0.982 | 2.942 |  |
|  |       | 1.023 |  |

|  |  |               |
|--|--|---------------|
|  |  | □1.023 2.498□ |
|--|--|---------------|

|  |              |              |  |
|--|--------------|--------------|--|
|  |              |              |  |
|  | 1.166        | 2.776        |  |
|  | 1.250        | 2.33         |  |
|  | 1.054        | 2.72         |  |
|  | 1.117        | 2.44         |  |
|  | 1.075        | 2.57         |  |
|  | 1.232        | 2.32         |  |
|  | 1.128        | 2.344        |  |
|  | <b>0.889</b> | <b>2.788</b> |  |

- -

: **.2.1.4**

.( -12.4 -12.4)

: -12.4

:

|  |        |      |    |     |     |
|--|--------|------|----|-----|-----|
|  |        |      |    |     |     |
|  | 0.9990 | 3.23 | 1  |     | 108 |
|  | 0.8000 | 3.18 | 2  | ( ) | 109 |
|  | 0.9830 | 3.13 | 3  |     | 110 |
|  | 0.9700 | 3.10 | 4  |     | 111 |
|  | 0.9820 | 3.05 | 5  |     | 112 |
|  | 1.031  | 3.05 | 5  |     | 113 |
|  | 0.9320 | 3.02 | 7  |     | 114 |
|  | 0.9320 | 3.02 | 7  |     | 115 |
|  | 0.9910 | 2.97 | 9  |     | 116 |
|  | 0.9990 | 2.95 | 10 |     | 117 |
|  | 0.9310 | 2.95 | 10 |     | 118 |
|  | 0.8580 | 2.95 | 10 |     | 119 |
|  | 0.9100 | 2.93 | 13 |     | 120 |
|  | 0.8930 | 2.92 | 14 |     | 121 |
|  | 1.169  | 2.90 | 15 |     | 122 |
|  | 0.9180 | 2.90 | 15 |     | 123 |
|  | 0.9940 | 2.89 | 17 |     | 124 |
|  | 1.167  | 2.82 | 18 |     | 125 |
|  | 1.147  | 2.79 | 19 |     | 126 |
|  | 1.003  | 2.76 | 20 |     | 127 |
|  | 1.023  | 2.74 | 21 |     | 128 |

: -12.4

:

|  |        |      |    |  |     |
|--|--------|------|----|--|-----|
|  |        |      |    |  |     |
|  | 1.148  | 2.73 | 22 |  | 129 |
|  | 0.9780 | 2.73 | 22 |  | 130 |
|  | 1.068  | 2.68 | 24 |  | 131 |
|  | 1.007  | 2.66 | 25 |  | 132 |

|  |               |               |    |     |     |
|--|---------------|---------------|----|-----|-----|
|  | 1.044         | 2.63          | 26 | ( ) | 133 |
|  | 0.9790        | 2.63          | 26 |     | 134 |
|  | 1.10          | 2.11          | 28 |     | 135 |
|  | <b>0.6729</b> | <b>2.8698</b> |    |     |     |

(0.6729)

(2.8698)

(19)

(8)

" " " "

" ( ) " (3.18) (3.23)

" (3.13) " "

" (2.11) .(3.10) "

(2.63) " " "

( ) " "

.(2.66) " "

/



: (2005)

"

"

(4)

%10

(11)

: **.3.1.4**

.(13.4) ( )

( ) :13.4

|       |       |       |       |     |  |
|-------|-------|-------|-------|-----|--|
|       |       |       |       |     |  |
| 0.438 | 0.737 | 0.640 |       | ( ) |  |
| 0.000 | 0.000 | 0.000 |       |     |  |
| 62    | 62    | 62    |       |     |  |
| 0.396 | 0.567 |       | 0.640 | ( ) |  |
| 0.001 | 0.000 |       | 0.000 |     |  |
| 62    | 62    |       | 62    |     |  |
| 0.430 |       | 0.567 | 0.737 | ( ) |  |
| 0.000 |       | 0.000 | 0.000 |     |  |
| 62    |       | 62    | 62    |     |  |
|       | 0.430 | 0.396 | 0.438 | ( ) |  |
|       | 0.000 | 0.001 | 0.000 |     |  |
|       | 62    | 62    | 62    |     |  |

( )

/

2.4

: .2.4.1

( $0.05 \geq \alpha$ )

"

" " : 14.4

:

|       |       |         |        |    |  |  |
|-------|-------|---------|--------|----|--|--|
|       | "t"   |         |        |    |  |  |
| 0.880 | 1.71- | 0.65929 | 2.8426 | 46 |  |  |
|       |       | 0.62911 | 3.1675 | 16 |  |  |
| 0.176 | 0.37- | 1.03352 | 2.9146 | 46 |  |  |
|       |       | 0.84383 | 3.0223 | 16 |  |  |

|       |       |         |        |    |  |  |
|-------|-------|---------|--------|----|--|--|
| 0.070 | 1.44- | 0.75540 | 2.3951 | 46 |  |  |
|       |       | 0.97840 | 2.7367 | 16 |  |  |
| 0.117 | 1.42- | 0.71435 | 2.5026 | 46 |  |  |
|       |       | 0.88265 | 2.8163 | 16 |  |  |

(2.81)

(2.50)

(%25)

(0.05 ≥ α)

:

:

: .2.2.4

(0.05 ≥ α)

"

:

" "

:15.4

|      |       |         |        |    |  |  |
|------|-------|---------|--------|----|--|--|
|      | "t"   |         |        |    |  |  |
| 0.90 | 0.49- | 0.68169 | 2.8447 | 46 |  |  |
|      |       | 0.66316 | 2.9420 | 16 |  |  |

(15.4)

.(2.8447)

(2.9420)

(0.90 )

:

(0.05 ≥ α)

:

**.3.2.4**

(0.05 ≥ α)

"

:16.4

:

|        |       |    |  |  |
|--------|-------|----|--|--|
|        |       |    |  |  |
| 0.7181 | 2.626 | 3  |  |  |
| 0.5916 | 3.110 | 8  |  |  |
| 0.6379 | 2.902 | 43 |  |  |
| 0.8928 | 2.985 | 8  |  |  |

|        |       |    |  |  |
|--------|-------|----|--|--|
| 1.2454 | 2.357 | 3  |  |  |
| 0.8345 | 3.375 | 8  |  |  |
| 0.9835 | 2.850 | 43 |  |  |
| 0.9826 | 3.223 | 8  |  |  |
| 0.2801 | 2.096 | 3  |  |  |
| 0.8931 | 2.737 | 8  |  |  |
| 0.8803 | 2.473 | 43 |  |  |
| 0.5523 | 2.424 | 8  |  |  |
| 0.4345 | 2.184 | 3  |  |  |
| 0.7690 | 2.849 | 8  |  |  |
| 0.8119 | 2.563 | 43 |  |  |
| 0.6035 | 2.575 | 8  |  |  |

(16.4)

(2.575)

(2.849)

(2.563)

.(2.184)

(%69.4)

(%12.9)

.

(17.4)

:17.4

:

|      |       |       |    |        |  |  |
|------|-------|-------|----|--------|--|--|
|      | " "   |       |    |        |  |  |
| 0.72 | 0.437 | 0.197 | 3  | 0.592  |  |  |
|      |       | 0.451 | 58 | 26.158 |  |  |
|      |       |       | 61 | 26.749 |  |  |
| 0.30 | 1.229 | 1.173 | 3  | 3.519  |  |  |
|      |       | 0.955 | 58 | 55.367 |  |  |
|      |       |       | 61 | 58.886 |  |  |
| 0.69 | 0.477 | 0.333 | 3  | 0.998  |  |  |
|      |       | 0.697 | 58 | 40.425 |  |  |
|      |       |       | 61 | 41.422 |  |  |
| 0.62 | 0.591 | 0.354 | 3  | 1.063  |  |  |
|      |       | 0.599 | 58 | 34.755 |  |  |
|      |       |       | 61 | 35.818 |  |  |

(17.4)

(0.62)

:

( $0.05 \geq \alpha$ )

:

**.4.2.4**

( $0.05 \geq \alpha$ )

"

:18.4

:

|        |       |    |  |  |
|--------|-------|----|--|--|
|        |       |    |  |  |
| 0.2172 | 2.607 | 3  |  |  |
| 0.6173 | 2.687 | 8  |  |  |
| 0.7435 | 2.878 | 43 |  |  |
| 0.3219 | 3.102 | 8  |  |  |

(18.4)

(2.878)

(3.102)

(2.687)

.(2.607)

(18.4)

:19.4

:

|      |       |       |    |        |  |  |
|------|-------|-------|----|--------|--|--|
|      | " "   |       |    |        |  |  |
| 0.58 | 0.659 | 0.303 | 3  | 0.910  |  |  |
|      |       | 0.461 | 58 | 26.710 |  |  |



|  |  |  |    |        |  |  |
|--|--|--|----|--------|--|--|
|  |  |  | 61 | 27.620 |  |  |
|--|--|--|----|--------|--|--|

(19.4)

.(0.58)

:

( $0.05 \geq \alpha$ )

.

.

:

: **.5.2.4**

( $0.05 \geq \alpha$ )

"

(20.4)

(20.4)

(2.595)

(3.005)

(2.412)

.(2.184)

(%62.9)

(%11.3)

(%21)

.

:20.4

:

|         |       |    |  |  |
|---------|-------|----|--|--|
|         |       |    |  |  |
| 0.7181  | 2.626 | 3  |  |  |
| 0.54880 | 3.217 | 7  |  |  |
| 0.65250 | 2.932 | 39 |  |  |
| 0.74860 | 2.821 | 13 |  |  |
| 1.2454  | 2.357 | 3  |  |  |
| 0.73470 | 3.204 | 7  |  |  |
| 1.0244  | 2.848 | 39 |  |  |
| 0.90420 | 3.219 | 13 |  |  |
| 0.28010 | 2.096 | 3  |  |  |
| 0.72160 | 2.947 | 7  |  |  |
| 0.91040 | 2.511 | 39 |  |  |
| 0.56800 | 2.238 | 13 |  |  |
| 0.43450 | 2.184 | 3  |  |  |
| 0.68040 | 3.005 | 7  |  |  |
| 0.83670 | 2.595 | 39 |  |  |
| 0.57310 | 2.412 | 13 |  |  |

(21.4)

:21.4

:

|      |      |       |    |        |  |  |
|------|------|-------|----|--------|--|--|
|      | " "  |       |    |        |  |  |
| 0.52 | 755. | 0.335 | 3  | 1.006  |  |  |
|      |      | 0.444 | 58 | 25.744 |  |  |
|      |      |       | 61 | 26.749 |  |  |

|      |       |       |    |        |  |
|------|-------|-------|----|--------|--|
| 0.40 | 985.  | 0.952 | 3  | 2.855  |  |
|      |       | 0.966 | 58 | 56.031 |  |
|      |       |       | 61 | 58.886 |  |
| 0.25 | 1.384 | 0.922 | 3  | 2.767  |  |
|      |       | 0.666 | 58 | 38.655 |  |
|      |       |       | 61 | 41.422 |  |
| 0.31 | 1.212 | 0.705 | 3  | 2.114  |  |
|      |       | 0.581 | 58 | 33.704 |  |
|      |       |       | 61 | 35.818 |  |

(20.4)

. (0.31)  
(0.05 ≥ α) :

: **.6.2.4**

(0.05 ≥ α) "

(22.4)

:22.4

:

|         |       |    |  |  |
|---------|-------|----|--|--|
|         |       |    |  |  |
| 0.21720 | 2.607 | 3  |  |  |
| 0.66670 | 2.688 | 7  |  |  |
| 0.69880 | 2.900 | 39 |  |  |

|         |       |    |  |  |
|---------|-------|----|--|--|
| 0.69340 | 2.936 | 13 |  |  |
|---------|-------|----|--|--|

(22.4)

(2.900)

(2.936)

(2.688)

.(2.607)

(%83.9)

(22.4)

:23.4

:

|      |       |       |    |        |  |  |
|------|-------|-------|----|--------|--|--|
|      | " "   |       |    |        |  |  |
| 0.76 | 0.379 | 0.177 | 3  | 0.531  |  |  |
|      |       | 0.467 | 58 | 27.089 |  |  |
|      |       |       | 61 | 27.620 |  |  |

(23.4)

.(0.76)

:

( $0.05 \geq \alpha$ )

.(2006)

: .7.2.4

$(0.05 \geq \alpha)$

"

: -24.4

:

|         |       |    |      |  |
|---------|-------|----|------|--|
|         |       |    |      |  |
| 0.70450 | 2.901 | 28 |      |  |
| 0.54800 | 2.756 | 11 | 5-3  |  |
| 0.64800 | 3.040 | 9  | 10-5 |  |
| 0.62220 | 3.000 | 9  | 10   |  |
| 0.89820 | 3.104 | 5  |      |  |
| 0.97390 | 2.852 | 28 |      |  |
| 1.1989  | 3.227 | 11 | 5-3  |  |
| 0.98050 | 3.127 | 9  | 10-5 |  |
| 0.85420 | 2.817 | 9  | 10   |  |
| 0.94080 | 2.714 | 5  |      |  |
| 0.81370 | 2.561 | 28 |      |  |
| 0.84910 | 2.418 | 11 | 5-3  |  |

: -24.4

:

|         |       |   |      |  |
|---------|-------|---|------|--|
|         |       |   |      |  |
| 0.87130 | 2.396 | 9 | 10-5 |  |
| 0.85680 | 2.419 | 9 | 10   |  |

|         |       |    |      |  |
|---------|-------|----|------|--|
| 1.0077  | 2.463 | 5  |      |  |
| 0.76800 | 2.631 | 28 |      |  |
| 0.75740 | 2.545 | 11 | 5-3  |  |
| 0.83170 | 2.548 | 9  | 10-5 |  |
| 0.79850 | 2.527 | 9  | 10   |  |
| 0.92180 | 2.562 | 5  |      |  |

(24.4)

-5) (2.562) (2.631)  
(2.545) (5-3) (2.548) (10)  
(2.527) (10)

(25.4)

:25.4

:

|      |       |       |    |        |  |  |
|------|-------|-------|----|--------|--|--|
|      | " "   |       |    |        |  |  |
| 0.83 | 0.359 | 0.165 | 4  | 0.658  |  |  |
|      |       | 0.458 | 57 | 26.091 |  |  |
|      |       |       | 61 | 26.749 |  |  |
| 0.76 | 0.457 | 0.457 | 4  | 1.829  |  |  |

|      |       |       |    |        |  |  |
|------|-------|-------|----|--------|--|--|
|      |       | 1.001 | 57 | 57.058 |  |  |
|      |       |       | 61 | 58.886 |  |  |
| 0.97 | 0.112 | 0.081 | 4  | 0.323  |  |  |
|      |       | 0.721 | 57 | 41.099 |  |  |
|      |       |       | 61 | 41.422 |  |  |
| 0.99 | 0.048 | 0.030 | 4  | 0.120  |  |  |
|      |       | 0.626 | 57 | 35.698 |  |  |
|      |       |       | 61 | 35.818 |  |  |

(25.4)

.(0.99)

:

( $0.05 \geq \alpha$ )

:

**.8.2.4**

( $0.05 \geq \alpha$ )

"

(26.4)

:26.4

:

|         |       |    |     |  |
|---------|-------|----|-----|--|
|         |       |    |     |  |
| 0.65720 | 2.776 | 28 |     |  |
| 0.74340 | 3.100 | 11 | 5-3 |  |

|         |       |   |      |  |
|---------|-------|---|------|--|
| 0.55530 | 3.202 | 9 | 10-5 |  |
| 0.49640 | 2.642 | 9 | 10   |  |
| 0.94170 | 2.692 | 5 |      |  |

(26.4)

10-5

(3.100) 5-3 (3.202)  
 (2.692) (2.776)  
 .(2.642) 10  
 (%32.2) 10-3

(27.4)

(27.4)

(0.25)

$(0.05 \geq \alpha)$

:27.4

|      |       |       |    |        |  |  |
|------|-------|-------|----|--------|--|--|
|      | " "   |       |    |        |  |  |
| 0.25 | 1.383 | 0.611 | 4  | 2.444  |  |  |
|      |       | 0.442 | 57 | 25.176 |  |  |
|      |       |       | 61 | 27.620 |  |  |

: **.9.2.4**



$$(0.05 \geq \alpha)$$

"

$$(-28.4 \quad -28.4)$$

: -28.4

:

|         |       |    |      |    |
|---------|-------|----|------|----|
|         |       |    |      |    |
| 0       | 0     | 0  |      |    |
| 0.48790 | 2.624 | 6  | 5    | -1 |
| 0.61170 | 2.859 | 25 | 10-5 |    |
| 0.69290 | 2.987 | 31 | 10   |    |
| .       | 0     | 0  |      |    |
| 1.1894  | 2.900 | 6  | 5    | -1 |
| 0.88870 | 2.831 | 25 | 10-5 |    |
| 1.0393  | 3.000 | 31 | 10   |    |

: -28.4

:

|         |       |    |      |    |
|---------|-------|----|------|----|
|         |       |    |      |    |
| 0       | 0     | 0  |      |    |
| 0.45280 | 2.284 | 6  | 5    | -1 |
| 0.88150 | 2.520 | 25 | 10-5 |    |
| 0.80690 | 2.438 | 31 | 10   |    |
| 0       | 0     | 0  |      |    |
| 0.51300 | 2.391 | 6  | 5    | -1 |

|         |       |    |      |  |
|---------|-------|----|------|--|
| 0.80780 | 2.592 | 25 | 10-5 |  |
| 0.75070 | 2.561 | 31 | 10   |  |

(28.4)

10 (2.592) 10-5  
 5 -1 (2.561)  
 .(2.391)

(29.4)

(29.4)

(0.29)

(0.05 ≥ α)

:29.4

|      |       |       |    |        |  |  |
|------|-------|-------|----|--------|--|--|
|      | " "   |       |    |        |  |  |
| 0.13 | 1.914 | 0.803 | 3  | 2.410  |  |  |
|      |       | 0.420 | 58 | 24.340 |  |  |
|      |       |       | 61 | 26.749 |  |  |
| 0.59 | 0.631 | 0.620 | 3  | 1.861  |  |  |

|      |       |       |    |        |  |  |
|------|-------|-------|----|--------|--|--|
|      |       | 0.983 | 58 | 57.025 |  |  |
|      |       |       | 61 | 58.886 |  |  |
| 0.31 | 1.196 | 0.804 | 3  | 2.413  |  |  |
|      |       | 0.673 | 58 | 39.010 |  |  |
|      |       |       | 61 | 41.422 |  |  |
| 0.29 | 1.262 | 0.732 | 3  | 2.195  |  |  |
|      |       | 0.580 | 58 | 33.623 |  |  |
|      |       |       | 61 | 35.818 |  |  |

: **.10.2.4**

$(0.05 \geq \alpha)$

"

(30.4)

10

(30.4)

(2.941)

10-5

(2.757)

5

.(2.754)

:30.4

:

|         |       |    |   |      |
|---------|-------|----|---|------|
|         |       |    |   |      |
| 0.64500 | 2.757 | 6  | 5 | -1   |
| 0.68070 | 2.754 | 25 |   | 10-5 |
| 0.65180 | 2.941 | 31 |   | 10   |

(31.4)

:31.4

:

|      |       |       |    |        |  |  |
|------|-------|-------|----|--------|--|--|
|      | " "   |       |    |        |  |  |
| 0.20 | 1.580 | 0.695 | 3  | 2.086  |  |  |
|      |       | 0.440 | 58 | 25.534 |  |  |
|      |       |       | 61 | 27.620 |  |  |

(31.4)

(0.20)

:

( $0.05 \geq \alpha$ )

:(2007)

:

**.11.2.4**

( $0.05 \geq \alpha$ )

"

:32.4

:

|         |       |    |   |  |
|---------|-------|----|---|--|
|         |       |    | . |  |
| 0.61440 | 2.662 | 8  |   |  |
| 0.67000 | 2.886 | 25 |   |  |
| 0.82700 | 2.860 | 6  |   |  |
| 0.64670 | 3.074 | 23 |   |  |
| 0.92760 | 2.357 | 8  |   |  |
| 1.0897  | 3.008 | 25 |   |  |
| 1.0236  | 2.988 | 6  |   |  |
| 0.88550 | 3.037 | 23 |   |  |
| 0.34430 | 2.160 | 8  |   |  |
| 0.96980 | 2.584 | 25 |   |  |
| 1.1240  | 2.422 | 6  |   |  |
| 0.70030 | 2.481 | 23 |   |  |
| 0.42320 | 2.238 | 8  |   |  |
| 0.89270 | 2.664 | 25 |   |  |
| 1.0517  | 2.533 | 6  |   |  |
| 0.64120 | 2.608 | 23 |   |  |

(32.4)

(2.664)

(2.533)

(2.608)

.(2.238)

(33.4)

:33.4

:

|      |       |       |    |        |  |  |
|------|-------|-------|----|--------|--|--|
|      | " "   |       |    |        |  |  |
| 0.66 | 0.603 | 0.272 | 4  | 1.087  |  |  |
|      |       | 0.450 | 57 | 25.663 |  |  |
|      |       |       | 61 | 26.749 |  |  |
| 0.60 | 0.692 | 0.682 | 4  | 2.727  |  |  |
|      |       | 0.985 | 57 | 56.159 |  |  |
|      |       |       | 61 | 58.886 |  |  |
| 0.83 | 0.364 | 0.258 | 4  | 1.030  |  |  |
|      |       | 0.709 | 57 | 40.392 |  |  |
|      |       |       | 61 | 41.422 |  |  |
| 0.78 | 0.426 | 0.260 | 4  | 1.040  |  |  |
|      |       | 0.610 | 57 | 34.778 |  |  |
|      |       |       | 61 | 35.818 |  |  |

(33.4)

:

(0.78)

(0.05 ≥ α)

:

.12.2.4

$$(0.05 \geq \alpha)$$

"

(34.4)

:34.4

:

|         |       |    |  |  |
|---------|-------|----|--|--|
|         |       |    |  |  |
| 0.56770 | 2.321 | 8  |  |  |
| 0.71350 | 2.862 | 25 |  |  |
| 0.79100 | 3.065 | 6  |  |  |
| 0.57910 | 3.010 | 23 |  |  |

(34.4)

(3.065)

(3.010)

(2.862)

- - -

.(2.321)

(%46.8)

(35.4)

:35.4

:

|      |       |       |    |        |  |  |
|------|-------|-------|----|--------|--|--|
|      | " "   |       |    |        |  |  |
| 0.16 | 1.709 | 0.740 | 4  | 2.958  |  |  |
|      |       | 0.433 | 57 | 24.662 |  |  |
|      |       |       | 61 | 27.620 |  |  |

(34.4)

(0.16)

:

(0.05 ≥ α)

:

. 13.2.4

(0.05 ≥ α)

"

:

:36.4

:

|         |       |    |  |  |
|---------|-------|----|--|--|
|         |       |    |  |  |
| 0.67670 | 2.865 | 14 |  |  |
| 0.60930 | 3.236 | 12 |  |  |
| 0.67250 | 2.819 | 25 |  |  |
| 0.81820 | 2.880 | 5  |  |  |
| 0.57830 | 2.933 | 6  |  |  |
| 0.90210 | 2.581 | 14 |  |  |



|         |       |    |  |  |
|---------|-------|----|--|--|
| 1.0233  | 3.273 | 12 |  |  |
| 1.0068  | 2.894 | 25 |  |  |
| 1.0030  | 3.128 | 5  |  |  |
| 0.97590 | 3.166 | 6  |  |  |
| 0.63240 | 2.336 | 14 |  |  |
| 0.95340 | 2.756 | 12 |  |  |
| 0.85290 | 2.429 | 25 |  |  |
| 1.1388  | 2.623 | 5  |  |  |
| 0.65500 | 2.384 | 6  |  |  |
| 0.64970 | 2.422 | 14 |  |  |
| 0.86360 | 2.867 | 12 |  |  |
| 0.76490 | 2.524 | 25 |  |  |
| 1.0532  | 2.708 | 5  |  |  |
| 0.65320 | 2.532 | 6  |  |  |

(36.4)

(2.524) (2.867) (2.708)  
(2.532)  
.(2.422)

(%77.5)

(37.4)

:37.4

:

|      |       |       |    |        |  |  |
|------|-------|-------|----|--------|--|--|
|      | " "   |       |    |        |  |  |
| 0.50 | 0.850 | 0.376 | 4  | 1.505  |  |  |
|      |       | 0.443 | 57 | 25.244 |  |  |
|      |       |       | 61 | 26.749 |  |  |
| 0.44 | 0.948 | 0.918 | 4  | 3.673  |  |  |
|      |       | 0.969 | 57 | 55.213 |  |  |
|      |       |       | 61 | 58.886 |  |  |
| 0.73 | 0.508 | 0.357 | 4  | 1.426  |  |  |
|      |       | 0.702 | 57 | 39.996 |  |  |
|      |       |       | 61 | 41.422 |  |  |
| 0.64 | 0.627 | 0.377 | 4  | 1.510  |  |  |
|      |       | 0.602 | 57 | 34.308 |  |  |
|      |       |       | 61 | 35.818 |  |  |

(37.4)

(0.64)

:

( $0.05 \geq \alpha$ )

:

.14.2.4

( $0.05 \geq \alpha$ )

"

(38.4)

:38.4

:

|         |       |    |  |  |
|---------|-------|----|--|--|
|         |       |    |  |  |
| 0.68230 | 2.494 | 14 |  |  |
| 0.72370 | 3.068 | 12 |  |  |
| 0.68780 | 2.907 | 25 |  |  |
| 0.45970 | 2.885 | 5  |  |  |
| 0.33350 | 3.178 | 6  |  |  |

(38.4)

(3.068)

(3.178)

(2.885)

(2.907)

.(2.494)

(%48.4)

(%19.1)

(%22.6)

(39.4)

:39.4

:

|      |       |       |    |        |  |  |
|------|-------|-------|----|--------|--|--|
|      | " "   |       |    |        |  |  |
| 0.14 | 1.769 | 0.762 | 4  | 3.049  |  |  |
|      |       | 0.431 | 57 | 24.571 |  |  |
|      |       |       | 61 | 27.620 |  |  |

(39.4)

.(0.14)

:

( $0.05 \geq \alpha$ )

:

**.15.2.4**

( $0.05 \geq \alpha$ )

"

:40.4

:



|       |       |       |    |        |  |  |
|-------|-------|-------|----|--------|--|--|
| 0.534 | 0.737 | 0.327 | 3  | 0.982  |  |  |
|       |       | 0.444 | 58 | 25.767 |  |  |
|       |       |       | 61 | 26.749 |  |  |
| 0.885 | 0.215 | 0.216 | 3  | 0.648  |  |  |
|       |       | 1.004 | 58 | 58.238 |  |  |
|       |       |       | 61 | 58.886 |  |  |
| 0.930 | 0.149 | 0.105 | 3  | 0.316  |  |  |
|       |       | 0.709 | 58 | 41.106 |  |  |
|       |       |       | 61 | 41.422 |  |  |
| 0.930 | 0.149 | 0.092 | 3  | 0.275  |  |  |
|       |       | 0.613 | 58 | 35.544 |  |  |
|       |       |       | 61 | 35.818 |  |  |

(41.4)

.(0.930)

(0.05  $\geq$   $\alpha$ )

:

:

**:16.2.4**

(0.05  $\geq$   $\alpha$ )

"

(42.4)

:42.4

:



|       |       |       |    |        |  |  |
|-------|-------|-------|----|--------|--|--|
|       | " "   |       |    |        |  |  |
| 0.076 | 2.413 | 1.022 | 3  | 3.065  |  |  |
|       |       | 0.423 | 58 | 24.556 |  |  |
|       |       |       | 61 | 27.620 |  |  |

: **.17.2.4**

( $0.05 \geq \alpha$ )

"

: ( -44.4 -44.4) .

: -44.4

:

|        |       |    |  |  |
|--------|-------|----|--|--|
|        |       |    |  |  |
| 1.1120 | 2.970 | 4  |  |  |
| 0.5525 | 2.860 | 12 |  |  |
| 0.7471 | 3.090 | 28 |  |  |
| 0.3585 | 2.413 | 3  |  |  |
| 0.2430 | 2.710 | 4  |  |  |
| 0.4521 | 2.840 | 10 |  |  |
| 0      | 2.240 | 1  |  |  |
| 1.3830 | 3.267 | 4  |  |  |
| 0.7841 | 3.226 | 12 |  |  |
| 0.9695 | 2.931 | 28 |  |  |
| 1.3627 | 3.071 | 3  |  |  |

: -44.4

:



|        |       |    |  |  |
|--------|-------|----|--|--|
| 1.3916 | 2.696 | 4  |  |  |
| 0.9615 | 2.635 | 10 |  |  |
| 0      | 2.214 | 1  |  |  |
| 1.0624 | 2.710 | 4  |  |  |
| 0.6751 | 2.399 | 12 |  |  |
| 0.9863 | 2.714 | 28 |  |  |
| 0.5498 | 2.429 | 3  |  |  |
| 0.2874 | 2.227 | 4  |  |  |
| 0.3961 | 2.012 | 10 |  |  |
| 0      | 2.016 | 1  |  |  |
| 1.0239 | 2.801 | 4  |  |  |
| 0.6269 | 2.542 | 12 |  |  |
| 0.9170 | 2.780 | 28 |  |  |
| 0.5720 | 2.498 | 3  |  |  |
| 0.3291 | 2.333 | 4  |  |  |
| 0.3573 | 2.173 | 10 |  |  |
| 0      | 2.063 | 1  |  |  |

(44.4)

(2.801)

(2.780)

(2.498)

(2.542)

(2.173)

(2.333)

.(2.063)

( )

( )

: (45.4) .

:45.4

:

|       |       |       |    |        |  |  |
|-------|-------|-------|----|--------|--|--|
|       | " "   |       |    |        |  |  |
| 0.519 | 0.876 | 0.389 | 6  | 2.333  |  |  |
|       |       | 0.444 | 55 | 24.417 |  |  |
|       |       |       | 61 | 26.749 |  |  |
| 0.791 | 0.519 | 0.526 | 6  | 3.156  |  |  |
|       |       | 1.013 | 55 | 55.730 |  |  |
|       |       |       | 61 | 58.886 |  |  |
| 0.366 | 1.114 | 0.748 | 6  | 4.490  |  |  |
|       |       | 0.671 | 55 | 36.932 |  |  |
|       |       |       | 61 | 41.422 |  |  |
| 0.436 | 0.997 | 0.586 | 6  | 3.515  |  |  |
|       |       | 0.587 | 55 | 32.303 |  |  |
|       |       |       | 61 | 35.818 |  |  |

(45.4)

.(0.436)

(0.05 ≥ α)

:

:

**.18.2.4**

$(0.05 \geq \alpha)$

"

( )

: (46.4)

:46.4

:

|         |       |    |  |  |
|---------|-------|----|--|--|
|         |       |    |  |  |
| 1.0559  | 3.258 | 4  |  |  |
| 0.60810 | 2.625 | 12 |  |  |
| 0.69820 | 2.928 | 28 |  |  |
| 0.43880 | 3.142 | 3  |  |  |
| 0.29800 | 2.839 | 4  |  |  |
| 0.71570 | 2.803 | 10 |  |  |
| 0       | 2.571 | 1  |  |  |

(46.4)

(2.928)

(3.142)

(3.258)

(2.803)

(2.839)

.(2.571)

(2.625)

(%11.3)

: (47.4) .

:47.4

:

|      |       |       |    |        |  |  |
|------|-------|-------|----|--------|--|--|
|      | " "   |       |    |        |  |  |
| 0.70 | 0.632 | 0.297 | 6  | 1.782  |  |  |
|      |       | 0.470 | 55 | 25.838 |  |  |
|      |       |       | 61 | 27.620 |  |  |

(47.4)

.(0.70)

:

(0.05 ≥ α)

.( )

:

**.19.2.4**

(0.05 ≥ α)

"

(48.4)

:48.4

:

|         |       |    |       |  |
|---------|-------|----|-------|--|
|         |       |    | .     |  |
| 0.59960 | 2.823 | 42 | 5-1   |  |
| 0.72010 | 2.904 | 13 | 10-6  |  |
| 0.58280 | 3.226 | 3  | 20-11 |  |
| 0.76360 | 3.420 | 2  | 50-21 |  |
| 0.02820 | 3.580 | 2  | 50    |  |
| 0.98490 | 2.660 | 42 | 5-1   |  |
| 0.90080 | 3.093 | 13 | 10-6  |  |
| 0.49480 | 3.214 | 3  | 20-11 |  |
| 0.80810 | 3.928 | 2  | 50-21 |  |
| 0.85860 | 4.035 | 2  | 50    |  |
| 0.69300 | 2.219 | 42 | 5-1   |  |
| 0.75340 | 2.656 | 13 | 10-6  |  |
| 0.6099  | 2.749 | 3  | 20-11 |  |
| 1.6220  | 3.436 | 2  | 50-21 |  |
| 0.61570 | 3.115 | 2  | 50    |  |
| 0.64700 | 2.335 | 42 | 5-1   |  |
| 0.68580 | 2.732 | 13 | 10-6  |  |
| 0.58160 | 2.854 | 3  | 20-11 |  |
| 1.4362  | 3.489 | 2  | 50-21 |  |
| 0.57740 | 3.268 | 2  | 50    |  |

(48.4)

20-11 (3.268) 50 (3.489) 50-21  
5-1 (2.732) 10-6 (2.854)  
(%6.6) .(2.335)

(%68)

5-1

(49.4)

:

:49.4

:

|       | " "   |       |    |        |  |  |
|-------|-------|-------|----|--------|--|--|
| 0.451 | 0.958 | 0.422 | 5  | 2.108  |  |  |
|       |       | 0.440 | 56 | 24.642 |  |  |
|       |       |       | 61 | 26.749 |  |  |
| 0.075 | 2.133 | 1.884 | 5  | 9.420  |  |  |
|       |       | 0.883 | 56 | 49.466 |  |  |
|       |       |       | 61 | 58.886 |  |  |
| 0.052 | 2.482 | 1.503 | 5  | 7.514  |  |  |
|       |       | 0.606 | 56 | 33.908 |  |  |
|       |       |       | 61 | 41.422 |  |  |
| 0.064 | 2.623 | 1.359 | 5  | 6.797  |  |  |
|       |       | 0.518 | 56 | 29.022 |  |  |
|       |       |       | 61 | 35.818 |  |  |

(49.4)

(0.064)

:

(0.05 ≥ α)

: .20.2.4

(0.05 ≥ α)

"

:

: (50.4)

:50.4

:

|         |       |    |       |  |
|---------|-------|----|-------|--|
|         |       |    |       |  |
| 0.54770 | 2.749 | 42 | 5-1   |  |
| 0.79900 | 2.881 | 13 | 10-6  |  |
| 0.41390 | 2.190 | 3  | 20-11 |  |
| 0.05050 | 3.464 | 2  | 50-21 |  |
| 0.58080 | 3.053 | 2  | 50    |  |

(50.4)

50-21

10-6 (3.053)

50 (3.464)

20-11

(2.749)

5-1 (2.881)

.(2.190)

(%6.6)

(%3.3) (%81.1) (10-1)  
(20-11)

(51.4) :

:51.4

:

|       |       |       |    |        |  |  |
|-------|-------|-------|----|--------|--|--|
|       | " "   |       |    |        |  |  |
| 0.053 | 3.328 | 1.265 | 5  | 6.327  |  |  |
|       |       | 380.  | 56 | 21.293 |  |  |
|       |       |       | 61 | 27.620 |  |  |

(51.4)

:

(0.053)

$(0.05 \geq \alpha)$

(2007)





---

1.5

/

.

/

(2.788)

)

:

(2.942)

(2.926)

.(2.498)

(

.(2.869)

/

.

:

/

( )

-

.

.

:

( )

.

.

:

.

%90

.

%60

2.5

/

/

: 3.5

/

:

: **.1.3.5**

- - •
- - •
- - •
- - •
- - •
- - •
- - •

: **.2.3.5**

- 
- 
- 
- 

: **.3.3.5**

- 
- 
- 
-

•

•

•

•

•

•

•





|        |           |   |
|--------|-----------|---|
|        | (2007)    | • |
| /      |           |   |
|        | :(2007)   | • |
|        | :(2000).. | • |
|        | :(1990)   | • |
| (327 ) |           |   |
|        | :(2006)   | • |
| /      |           |   |
|        | :(2001).  | • |
| " "    |           |   |
|        | :(2005)   | • |
|        | :(2007)   | • |
|        | :(1999)   | • |
|        | :         |   |
|        | :(2004)   | • |
|        | :(2006)   | • |
|        | (2004)    | • |
|        | :(2003)   | • |
| (2002) |           | • |
|        | :(2003)   | • |

- :(2007) . •
- :(1996) •
- :(2007) •
- :(2007) •
- :(2008) •
- (2001) . . •
- :(2006) •
- :(2006) •
- .(4) (2) •
- :(2008). •
- /
- :(2007). •
- (2003) •
- :(2003) •
- (2006) •
- ( ) : (1996) •
- :(2001) •

- : (2004) •
- : (2003) •
- : (2005) •
- : (2006) •
- : (1992) •
- : (2003) •
- : (2000) •
- : (2007) •
- : (2006) •
- : (2005) •
- " " : (2005) •
- : (2005) •
- : (2003) •
- : (1999) •
- (2002) •
- (2005) •
- (1997) •

- :(1998) •
- (1995) •
- (2005) •
- :(2006) •
- :(2003) •
- :(2005) •
- :(2005) •

- Orest,k,(2002) The influence of Organizational Leadership on employees,and firm performance(Doctoral dissertation, The University of Memphis) Dissertation Abstracts international,59(5),167.
- Spano,Alessandro.(2005),Performance Evaluation as a Tool for improving Attractiveness & competitiveness of Public sector as employer, universita di cagliari.  
www.http://papers.ssrn.com/sol3/papers.cfm?abstract\_id=771529.

|              |     |
|--------------|-----|
| (2007 )      | .1  |
| .(2007 )     | .2  |
| (2007 )      | .3  |
| (2007 )      | .4  |
| .(2007 )     | .5  |
| (2007 )      | .6  |
| .(2007 )     | .7  |
| (2007 )      | .8  |
| .(2007 ) ( ) | .9  |
| .(2007 )     | .10 |
| .(2007 )     | .11 |

(2005)

:001

:

" : (2004 ( . / . /21/14)

) :

•

2003

:

- 
- 
- 
- 
- 

."

" : (2004 ( . / . /21/14)

) :

•

:

- 
- 
- 
- 
-

○

○

○

" : (2004 ( . / . /21/14)

) :

●

:

○

○

○

○

"

" : (2004 ( . / . /21/14)

)

●

:

:

:

○

-

-

-

21

(7)

(1)

2004 ( . / . /21/14 )

:



.( ) -  
:( 3 2004 ( . / . /21/14) ) •  
" ."  
:  
:  
: ○  
-  
-  
-  
-  
-

: : ○

-

-

-

-

-

-

-

: : ○

-

-

-

-

-

: : ○

○

○





: :002

|   |  |     |
|---|--|-----|
|   |  |     |
| / |  | .1  |
| / |  | .2  |
| / |  | .3  |
| / |  | .4  |
| / |  | .5  |
| / |  | .6  |
| / |  | .7  |
| / |  | .8  |
| / |  | .9  |
| / |  | .10 |
| / |  | .11 |

/

)

.(

:

: 1 •

: 2 •

: 3 •

:

: 4 •

( )

: 5 •

: 6 •

: 7 •

: 8 •

: 9 •

:10 •

:

:11 •

:12 •

:13 •

:14 •

:15 •

:16 •

:17 •

:18 •

:19 •

)

:20 •

(

:21 •



:005

/

/

/



:

:

: .1

.2 .1

:

.2

.3 .2 .1

.4

:

.3

.3 .2 .1

.4

:

.4

.3

.2

.1

.5

:

.5

.3 5 .2 .1

10 .4 .

:

.6

.4 . .3 . .2 . .1

.5

:

.7

.4 . .3 . .2 . .1

.5

.8

45 -35 .3 35 -25 .2 . 25 .1

.55 .5 . 55 -45 .4

:( )

.9

:

.10

: :

. / X

: :

:

|  |  |  |  |  |      |     |
|--|--|--|--|--|------|-----|
|  |  |  |  |  |      |     |
|  |  |  |  |  | .( ) | 1.  |
|  |  |  |  |  | .    | 2.  |
|  |  |  |  |  |      | 3.  |
|  |  |  |  |  |      | 4.  |
|  |  |  |  |  |      | 5.  |
|  |  |  |  |  |      | 6.  |
|  |  |  |  |  | .    | 7.  |
|  |  |  |  |  | .    | 8.  |
|  |  |  |  |  | .    | 9.  |
|  |  |  |  |  |      | 10. |
|  |  |  |  |  |      | 11. |
|  |  |  |  |  |      | 12. |
|  |  |  |  |  |      | 13. |
|  |  |  |  |  |      | 14. |
|  |  |  |  |  |      | 15. |
|  |  |  |  |  |      | 16. |
|  |  |  |  |  |      | 17. |

|  |  |  |  |  |  |     |
|--|--|--|--|--|--|-----|
|  |  |  |  |  |  | 18. |
|  |  |  |  |  |  | 19. |
|  |  |  |  |  |  | 20. |
|  |  |  |  |  |  | 21. |
|  |  |  |  |  |  | 22. |
|  |  |  |  |  |  | 23. |
|  |  |  |  |  |  | 24. |
|  |  |  |  |  |  | 25. |

: :

:

|  |  |  |  |  |  |     |
|--|--|--|--|--|--|-----|
|  |  |  |  |  |  |     |
|  |  |  |  |  |  | 26. |
|  |  |  |  |  |  | 27. |
|  |  |  |  |  |  | 28. |
|  |  |  |  |  |  | 29. |
|  |  |  |  |  |  | 30. |
|  |  |  |  |  |  | 31. |
|  |  |  |  |  |  | 32. |
|  |  |  |  |  |  | 33. |
|  |  |  |  |  |  | 34. |
|  |  |  |  |  |  | 35. |
|  |  |  |  |  |  | 36. |
|  |  |  |  |  |  | 37. |

|  |  |  |  |  |  |     |
|--|--|--|--|--|--|-----|
|  |  |  |  |  |  | 38. |
|  |  |  |  |  |  | 39. |

:

:

:

|  |  |  |  |  |  |     |
|--|--|--|--|--|--|-----|
|  |  |  |  |  |  | *   |
|  |  |  |  |  |  | 40. |
|  |  |  |  |  |  | 41. |
|  |  |  |  |  |  | 42. |
|  |  |  |  |  |  | 43. |
|  |  |  |  |  |  | 44. |
|  |  |  |  |  |  | 45. |
|  |  |  |  |  |  | 46. |
|  |  |  |  |  |  | 47. |
|  |  |  |  |  |  | 48. |
|  |  |  |  |  |  | 49. |
|  |  |  |  |  |  | 50. |
|  |  |  |  |  |  | 51. |
|  |  |  |  |  |  | 52. |
|  |  |  |  |  |  | 53. |
|  |  |  |  |  |  | 54. |
|  |  |  |  |  |  | 55. |
|  |  |  |  |  |  | 56. |

( . . )

:

:

|  |  |  |  |  |  |     |
|--|--|--|--|--|--|-----|
|  |  |  |  |  |  |     |
|  |  |  |  |  |  | 57. |
|  |  |  |  |  |  | 58. |
|  |  |  |  |  |  | 59. |
|  |  |  |  |  |  | 60. |
|  |  |  |  |  |  | 61. |
|  |  |  |  |  |  | 62. |
|  |  |  |  |  |  | 63. |

:

:

:

|  |  |  |  |  |  |     |
|--|--|--|--|--|--|-----|
|  |  |  |  |  |  | .   |
|  |  |  |  |  |  | 64. |
|  |  |  |  |  |  | 65. |
|  |  |  |  |  |  | 66. |
|  |  |  |  |  |  | 67. |
|  |  |  |  |  |  | 68. |
|  |  |  |  |  |  | 69. |

|  |  |  |  |  |  |     |
|--|--|--|--|--|--|-----|
|  |  |  |  |  |  | 70. |
|  |  |  |  |  |  | 71. |
|  |  |  |  |  |  | 72. |
|  |  |  |  |  |  | 73. |

:

:

:

|  |  |  |  |  |  |     |
|--|--|--|--|--|--|-----|
|  |  |  |  |  |  |     |
|  |  |  |  |  |  | 74. |
|  |  |  |  |  |  | 75. |
|  |  |  |  |  |  | 76. |
|  |  |  |  |  |  | 77. |
|  |  |  |  |  |  | 78. |
|  |  |  |  |  |  | 79. |
|  |  |  |  |  |  | 80. |
|  |  |  |  |  |  | 81. |

:

:

:

|  |  |  |  |  |  |     |
|--|--|--|--|--|--|-----|
|  |  |  |  |  |  |     |
|  |  |  |  |  |  | 82. |
|  |  |  |  |  |  | 83. |
|  |  |  |  |  |  | 84. |

|  |  |  |  |  |  |     |
|--|--|--|--|--|--|-----|
|  |  |  |  |  |  |     |
|  |  |  |  |  |  | 85. |
|  |  |  |  |  |  | 86. |
|  |  |  |  |  |  | 87. |
|  |  |  |  |  |  | 88. |

∴

:

:

|  |  |  |  |  |  |     |
|--|--|--|--|--|--|-----|
|  |  |  |  |  |  |     |
|  |  |  |  |  |  | 89  |
|  |  |  |  |  |  | 90. |
|  |  |  |  |  |  | 91. |
|  |  |  |  |  |  | 92. |
|  |  |  |  |  |  | 93. |

∴

:

:

|  |  |  |  |  |  |      |
|--|--|--|--|--|--|------|
|  |  |  |  |  |  |      |
|  |  |  |  |  |  | 94.  |
|  |  |  |  |  |  | 95.  |
|  |  |  |  |  |  | 96.  |
|  |  |  |  |  |  | 97.  |
|  |  |  |  |  |  | 98.  |
|  |  |  |  |  |  | 99.  |
|  |  |  |  |  |  | 100. |
|  |  |  |  |  |  | 101. |

|  |  |  |  |  |  |      |
|--|--|--|--|--|--|------|
|  |  |  |  |  |  | 102. |
|  |  |  |  |  |  | 103. |
|  |  |  |  |  |  | 104. |
|  |  |  |  |  |  | 105. |
|  |  |  |  |  |  | 106. |
|  |  |  |  |  |  | 107. |

:

|  |  |  |  |  |     |             |
|--|--|--|--|--|-----|-------------|
|  |  |  |  |  |     |             |
|  |  |  |  |  |     | 108.        |
|  |  |  |  |  | )   | 109.        |
|  |  |  |  |  | (.. |             |
|  |  |  |  |  |     | 110.        |
|  |  |  |  |  |     | 111.        |
|  |  |  |  |  |     | 112.        |
|  |  |  |  |  |     | 113.        |
|  |  |  |  |  |     | <b>114.</b> |
|  |  |  |  |  |     | 115.        |
|  |  |  |  |  |     | 116.        |
|  |  |  |  |  |     | 117.        |
|  |  |  |  |  |     | 118.        |
|  |  |  |  |  |     | 119.        |
|  |  |  |  |  |     | 120.        |
|  |  |  |  |  |     | 121.        |
|  |  |  |  |  |     | 122.        |
|  |  |  |  |  |     | 123.        |
|  |  |  |  |  | ( ) | 124.        |
|  |  |  |  |  |     | 125.        |



|  |  |  |  |  |  |      |
|--|--|--|--|--|--|------|
|  |  |  |  |  |  | 126. |
|  |  |  |  |  |  | 127. |
|  |  |  |  |  |  | 128. |
|  |  |  |  |  |  | 129. |
|  |  |  |  |  |  | 130. |
|  |  |  |  |  |  | 131. |
|  |  |  |  |  |  | 132. |
|  |  |  |  |  |  | 133. |
|  |  |  |  |  |  | 134. |
|  |  |  |  |  |  | 135. |

|     |             |     |
|-----|-------------|-----|
| 169 | .....(2005) | 001 |
| 176 | .....       | 002 |
| 177 | .....       | 003 |
| 178 | .....       | 004 |
| 179 | .....       | 005 |

|    |                                |      |
|----|--------------------------------|------|
| 30 | ..... ( )                      | 1.2  |
| 31 | .....                          | 2.2  |
| 79 | (Pearson Correlation)          | -1.3 |
| 80 | (Pearson Correlation)          | -1.3 |
| 80 | (Pearson Correlation)          | 2.3  |
| 81 | (Pearson Correlation)          | -3.3 |
| 82 | .....<br>(Pearson Correlation) | -3.3 |
| 83 | .....<br>(Pearson Correlation) | -3.3 |
| 83 | .....<br>(Pearson Correlation) | -4.3 |
| 84 | .....<br>(Pearson Correlation) | -4.3 |
| 85 | .....                          | 5.3  |
| 87 | .....                          | 1.4  |
| 88 | .....                          | -2.4 |
| 89 | .....                          | -2.4 |

|     |       |      |
|-----|-------|------|
| 92  | ..... | 3.4  |
| 95  | ..... | -4.4 |
| 96  | ..... | -4.4 |
| 98  | ..... | 5.4  |
| 100 | ..... | -6.4 |
| 101 | ..... | -6.4 |
| 104 | ..... | 7.4  |
| 106 | ..... | 8.4  |
| 108 | ..... | 9.4  |
| 110 | ..... | 10.4 |
|     | ..... |      |

|     |           |       |
|-----|-----------|-------|
| 113 |           | 11.4  |
| 114 | .....     | -12.4 |
| 115 | .....     | -12.4 |
| 117 | ..... ( ) | 13.4  |
| 119 | ..... " " | 14.4  |
| 120 | ..... " " | 15.4  |
| 121 | .....     | 16.4  |
| 122 | .....     | 17.4  |
| 123 | .....     | 18.4  |
| 124 | .....     | 19.4  |
| 125 | .         | 20.4  |
| 126 | .....     | 21.4  |
|     | .....     |       |

|     |       |       |
|-----|-------|-------|
| 127 |       | 22.4  |
| 127 | ..... | 23.4  |
| 128 | ..... | -24.4 |
| 129 | ..... | -24.4 |
| 130 | ..... | 25.4  |
| 131 | .     | 26.4  |
| 132 | ..... | 27.4  |
| 132 | ...   | -28.4 |
| 133 | ..... | -28.4 |
| 134 | ..... | 29.4  |
| 135 | ..... | 30.4  |
| 135 | .     | 31.4  |
|     | .     |       |

|     |       |      |
|-----|-------|------|
| 136 |       | 32.4 |
| 137 | ..... | 33.4 |
| 138 | .     | 34.4 |
| 139 | .     | 35.4 |
| 140 | ....  | 36.4 |
| 141 | ..... | 37.4 |
| 142 | ..... | 38.4 |
| 143 | ..... | 39.4 |
| 144 | ..... | 40.4 |
| 145 | ..... | 41.4 |
| 146 | ..... | 42.4 |
| 147 | ..... | 43.4 |

|     |       |       |
|-----|-------|-------|
| 147 |       | -44.4 |
|     | ..... |       |
| 148 |       | -44.4 |
|     | ..... |       |
| 149 |       | 45.4  |
|     | ..... |       |
| 150 |       | 46.4  |
|     | ..... |       |
| 151 |       | 47.4  |
|     | ..... |       |
| 152 |       | 48.4  |
|     | ..... |       |
| 153 |       | 49.4  |
|     | ..... |       |
| 154 |       | 50.4  |
|     | ..... |       |
| 155 |       | 51.4  |
|     | ..... |       |



|    |          |      |
|----|----------|------|
| 12 |          | 1.2  |
|    | .....    |      |
| 28 | .....    | 2.2  |
| 57 | ..... /  | 3.2  |
| 73 | .....    | 1.3  |
| 74 | .....    | 2.3  |
| 74 | .....    | 3.3  |
| 75 | .....    | 4.3  |
| 75 |          | 5.3  |
|    | .....    |      |
| 76 | .....    | 6.3  |
| 76 | .....    | 7.3  |
| 77 | ....     | 8.3  |
| 77 | .....    | 9.3  |
| 78 | .....( ) | 10.3 |
| 78 | ..       | 11.3 |

.....  
.....  
.....  
.....  
.....

**1** ..... :

|   |       |     |
|---|-------|-----|
| 1 | ..... | 1.1 |
| 3 | ..... | 2.1 |
| 3 | ..... | 3.1 |
| 4 | ..... | 4.1 |
| 4 | ..... | 5.1 |
| 4 | ..... | 6.1 |
| 5 | ..... | 7.1 |
| 6 | ..... | 8.1 |

**7** ..... :

|    |       |       |
|----|-------|-------|
| 7  | ..... | 1.2   |
| 8  | ..... | 2.2   |
| 8  | ..... | 1.2.2 |
| 9  | ..... | 2.2.2 |
| 10 | ..... | 3.2.2 |

|           |        |         |
|-----------|--------|---------|
| 11        | .....  | 4.2.2   |
| 16        | .....  | 3.2     |
| 16        | .....  | 1.3.2   |
| 17        | .....  | 2.3.2   |
| 28        | .....  | 4.2     |
| 29        | .....  | 1.4.2   |
| 29        | .....  | 2.4.2   |
| 29        | .....  | 3.4.2   |
| 30        | .....  | 4.4.2   |
| 32        | .....  | 5.4.2   |
| 32        | .....  | 5.2     |
| 32        | .....  | 1.5.2   |
| 34        | .....  | 2.5.2   |
| 36        | .....  | 3.5.2   |
| 40        | .....  | 4.5.2   |
| 40        | .....  | 1.4.5.2 |
| 41        | .....  | 2.4.5.2 |
| 45        | .....  | 3.4.5.2 |
| 50        | .....  | 6.2     |
| 50        | .....  |         |
| 54        | .....  | 7.2     |
| 54        | .....: | 1.7.2   |
| 55        | .....  | 2.7.2   |
| 56        | .....  | 3.7.2   |
| 58        | .....  | 8.2     |
| 58        | .....  | 1.8.2   |
| 64        | .....  | 2.8.2   |
| 70        | .....  | 3.8.2   |
| <b>72</b> | .....  | :       |

|           |         |         |
|-----------|---------|---------|
| 72        | .....   | 1.3     |
| 72        | .....   | 2.3     |
| 72        | .....   | 3.3     |
| 73        | .....   | 4.3     |
| 74        | .....   | 5.3     |
| 79        | .....   | 6.3     |
| 84        | .....   | 7.3     |
| 85        | .....   | 8.3     |
| 85        | .....   | 1.8.3   |
| 86        | .....   | 2.8.3   |
| <b>87</b> | ..... : |         |
| 87        | .....   | 1.4     |
| 88        | .....   | 1.1.4   |
| 88        | .....   | 1.1.1.4 |
| 92        | .....   | 2.1.1.4 |
| 95        | .....   | 3.1.1.4 |
| 114       | ..... : | 2.1.4   |
| 117       | .....   | 3.1.4   |
| 118       | .....   | 2.4     |
| 118       | .....   | 1.2.4   |
| 119       | .....   | 2.2.4   |
| 120       | .....   | 3.2.4   |
| 123       | .....   | 4.2.4   |
| 1243      | .....   | 5.2.4   |
| 126       | .....   | 6.2.4   |
| 128       | .....   | 7.2.4   |
| 130       | .....   | 8.2.4   |

|            |         |        |
|------------|---------|--------|
| 132        | .....   | 9.2.4  |
| 134        | .....   | 10.2.4 |
| 136        | .....   | 11.2.4 |
| 138        | .....   | 12.2.4 |
| 139        | .....   | 13.2.4 |
| 142        | .....   | 14.2.4 |
| 143        | .....   | 15.2.4 |
| 145        | .....   | 16.2.4 |
| 147        | .....   | 17.2.4 |
| 150        | .....   | 18.2.4 |
| 151        | .....   | 19.2.4 |
| 154        | .....   | 20.2.4 |
| 157        | ..... : |        |
| 157        | .....   | 1.5    |
| 159        | .....   | 2.5    |
| 160        | .....   | 3.5    |
| 161        | .....   | 1.3.5  |
| 161        | .....   | 2.3.5  |
| 161        | .....   | 3.3.5  |
| <b>164</b> | .....   |        |
| <b>189</b> | .....   |        |
| <b>190</b> | .....   |        |
| <b>191</b> | .....   |        |
| <b>197</b> | .....   |        |