

اسئلة امتحان

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اسئلة امتحان

1. اسئلة امتحان
2. اسئلة امتحان

1. University Officers

- () اسئلة امتحان
- () اسئلة امتحان
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2. University Graduates

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. t m c m o s x n t m x o y m s
c f n s x i t m d s n i m
c m n y o c n s y o m m x
i t o (s o s s o m n o a o y n
e m m m m m o o m)
() m n x n c o s t c m s n
t m o s m x n o y n s s c n n
c m s n d o n s m o s s t c m s
o f t c o s f i t m o m f e s n i m
m o m f o o m n t s t x n -
3. s o s x.
(c) x s t c m s c y n e c x o n n t m c
4ft s m 2 x o s n c y i m c
n s s o c s m 10 n f c x n t
n f m o s o s o s n s s o c x n m
s t y o s o s t c m c n m s
o s t s c m s x o s o o t o e m
n s o c m s x n c x s o n n t m c
4ft s m 2 () o s s o a o o c
a x o n n s c y i m s n s s o c
x n n y o c m s x m n c m o
s s o t s m 4 o n .

() n y n s o s m c y o s u y s o
c y n m s n s s o c m s n i m c
m y n m f m s s t c m s a o
o m s x o f s o c n s s o s t c m s s o
s m n m c c o e n m a o s o a n o
s o e m . o m s y o y m m t -
m o m s t s n m n s o s t c m s x
n m s o e c f m s a .
() o s t c m s o f s s n o
a o n o s o s n s s o c s o e f n s o
y n m m s o s n s s o c f o
n o a o n m a o n s t m s x n o
o o c m s m .
() o s t c m s x a o o o m c s s o o -
m a x o n m n o o m o n y o .

4. () o n o n s c y n e s s o c
m t c n o s n o m c m e t c m c n
o o m x t c m s o t o s s t s n m m o -
o n n o s x n m n s n c f o c n
n y s m t c c x o m o s x i t f
t m t s n c o s o t m c m o s x
y n t m x o c c c n
e m n o c s m x i t o (s o s -
s o m n o a o y y m m n f
c o e m) f o y o s n i t o
c m o c m f c o a o n c c m s o
s t c m e n c s n e n s y i t o .
() s t c m s y m o s n e n s y i t o .
4 () s t c m s o n x n e x n f
x x n m n o s s t s n m n s o a o

n s x o o t c o m s o o m -
s x n o c n m o s t c m s c y m e
n s s o c x c o s s s o y m e x
o a o o m c n s o o t c o m s o
o m s x s t c
o m s n o t s a o s o c
s o x c n m x o s a s o c n n
c o s n y o n o o m s o c a o
c o c
o n o a o t o m c
o n o a o m s o s s o c n o c m n s
s o m o s x.
() n o m c s s o c a o y o n c y m e
a o m s o c n m o m o s x y m e
o f s o .

5. () o r s t c m s n y s n m x c y m e
m x s t c m s t a m n o s x n n d s
, n s o m c s n o t a o c n e -
y m e n y a m n s o m c s n d m f
y o c s m e o m o s x n s s t c m s
m m s t n s s o a o s i t o x t o
n s o n y n n n s s o c t a n
n o s o n n t o s n x s m x
c o s n f m a x o n y s m t m o s o
t s n s x n s n m s t s m . n y -
s m x s o f m s o s t c m s t e n
n y o s x o m a o n n t m s x n o
o o m s n m n o m x n s o n n f
o m s o o m c s m m s o c m
s 150 o t o o m s o s s t s n m o c
m o n n o s x s n m n s n c -
f o c t m c m o s x n t m x o y o
m s o c f s o c m i t m d s m m c
t o m n m n x n o m m n) n
s o n y s n n n m s f i s o c
y a n n o s o .
() o n o m m m x o m s o n y s n m
n m n s o s o n m n s c y m e
n s s o c n s o y m d s m c n s o
c e .
() o m s y a o
y s t c m s t a n n y o s x c y m e c x
s o n y s m x o s n o c y m e
n s s o c s m 10 n f c x n t y
n f m o s o s o s n s s o c x n m
f n 1.41 o c n m c n s o n s n c

() c n s n n t t f e e o m c -
o f s e c s n c n m s n n f o m c -
R e m n n n c n s n a x c n n c n s -
n (n o m s n n a s t c m r o y) .

() a n m s n n n o m s R e m n s n -
n c n m s n c n s m x n n o m s
s o . c . c n m s s h n s s s o c s
s o y n n n o n o m s n n o n c .

(c) c n m s n n n o m s R e m n s n -
n c n m s n m s c n n n n n e x

() o o t o s n c n n .
o t o m s n e o m n c n c m s c
m m o m n s o c x o n c .
t s e o c o s c n p s t c m s n s n

() m x s t c m s n n c a x o m s n n -
n e o m s R e m n s n n t m c s f -
o f t s n n x o n s o n s o c f -
s s s m 10 n m c x .

() m x o n n t a n n s x f m s n
c n n n f o m s c n n s -
s o c t m c s o c o f t s n n x o s n
s o s i t m s c n s s o c n o c y -
n n e o m n

() m c s n s o i t m n c n s -
s o o t m c s o f t s n n t s e o n d c m
s o f s s o f s s m 10 n m
c x n s c s o n t y c n n t y
n f o n c x e o h c a s o
s i t m n

l a * f t s n n
n m n s n n a i t s l a * f t s n n o o s o
n x l a x l a x s o f n x l l l l l l o a t x
n x
n s n n a i t s o l a x m c s o m o x
o n s n c n s o c s l a o x p n
o e o n s o l a x s n n s o a x
o e s o l l l l a x m o a y n

f m c f i r s s t 2003

() c o m c c o t s n o x f
m c f m n o m a o m c s x t m c
m x c o n n n x e o f o m s m x
o n n s n c c a s o y - m a o n
s n m n y s o n n n s s s s o ()
m s s o m c n n a o t s x f i y) n
o e a t s n c s n n o m c m c /
n c c o n m n n e o t o m
s o x c o s n e y x n s o t n o n
o m n y o m s s s t s o

() m x o n n n o s t n n f
e o m o t o s o c x f s s o m c m r o -
t s x f i y s n f c s n n o c o m c
m c / n c c o n t y o n n f o s
n e t o n s x f f o s s n n s n n
n n n f o s n t y m s s o m c m /
R o t s x f i y o n m t s o m c
m c / n c c o n s m n m o
f m s s s s t s o m c e o a o s n
n o t y m o

2. n c m f f m m o
s n o n c c n m n c f t s n n c o
t t m s n o m n a s t 2 n m x n
o f t s n n c m t a s s n n e o n .
o s o o m m m c t s e o n o c
s s o c m x o n n s n n x
s s o c s n n x n c m n f m
n s m n f m s s s t s o m c

3. n n o y o x n n x
o o y a x c i t s n n y n y n
o y o m n c m a o s n x s t
o m o t o m o y c n m x t o
n c o m c s s e n n s o n n e
n x n n c f o s o s n o m c s x
o o s o f s s n s n n x x
n n o x o c o y o m x o y o
n s n c x x e o n e o c s o f n f
n m x / n s n f o t m n s m
x c n / n s n f m t y

4. n n x o m c a x o t s e o c m
s o o o y a x e f m s o c n s o
m c m n c m o s m x s t m f
o t o m o y c n m x t o
n x o m c x o c o s o n o
n s y o m n n c o m c s o x l
m s e o n m x n n c f o s o s n .
m n o s x c s o x x e o n o c
s n s n c n s s o c m n s o
m o x y o c n n c m x x o
n n x o c n n c c x x
e o n o c s o f x o m n n s / n s
m t o m n n f n n n x f m / n
s h m s o c () s t m 3
t t m s

o m c f t s n n n y o

(g) $\int_0^1 x^2 \cos x \, dx$
 $= \int_0^1 x^2 \cos x \, dx$
 $= x^2 \sin x - \int 2x \sin x \, dx$
 $= x^2 \sin x - 2 \int x \sin x \, dx$
 $= x^2 \sin x - 2 \left(-x \cos x + \int \cos x \, dx \right)$
 $= x^2 \sin x + 2x \cos x - 2 \sin x$
 $= x^2 \sin x + 2x \cos x - 2 \sin x + C$

(h) $\int_0^1 x^2 \sin x \, dx$
 $= \int_0^1 x^2 \sin x \, dx$
 $= -x^2 \cos x + \int 2x \cos x \, dx$
 $= -x^2 \cos x + 2 \int x \cos x \, dx$
 $= -x^2 \cos x + 2 \left(x \sin x - \int \sin x \, dx \right)$
 $= -x^2 \cos x + 2x \sin x + 2 \cos x$
 $= -x^2 \cos x + 2x \sin x + 2 \cos x + C$

(i) $\int_0^1 x^2 \cos x \, dx$
 $= \int_0^1 x^2 \cos x \, dx$
 $= x^2 \sin x - \int 2x \sin x \, dx$
 $= x^2 \sin x - 2 \int x \sin x \, dx$
 $= x^2 \sin x - 2 \left(-x \cos x + \int \cos x \, dx \right)$
 $= x^2 \sin x + 2x \cos x - 2 \sin x$
 $= x^2 \sin x + 2x \cos x - 2 \sin x + C$

(j) $\int_0^1 x^2 \sin x \, dx$
 $= \int_0^1 x^2 \sin x \, dx$
 $= -x^2 \cos x + \int 2x \cos x \, dx$
 $= -x^2 \cos x + 2 \int x \cos x \, dx$
 $= -x^2 \cos x + 2 \left(x \sin x - \int \sin x \, dx \right)$
 $= -x^2 \cos x + 2x \sin x + 2 \cos x$
 $= -x^2 \cos x + 2x \sin x + 2 \cos x + C$

(k) $\int_0^1 x^2 \cos x \, dx$
 $= \int_0^1 x^2 \cos x \, dx$
 $= x^2 \sin x - \int 2x \sin x \, dx$
 $= x^2 \sin x - 2 \int x \sin x \, dx$
 $= x^2 \sin x - 2 \left(-x \cos x + \int \cos x \, dx \right)$
 $= x^2 \sin x + 2x \cos x - 2 \sin x$
 $= x^2 \sin x + 2x \cos x - 2 \sin x + C$

(l) $\int_0^1 x^2 \sin x \, dx$
 $= \int_0^1 x^2 \sin x \, dx$
 $= -x^2 \cos x + \int 2x \cos x \, dx$
 $= -x^2 \cos x + 2 \int x \cos x \, dx$
 $= -x^2 \cos x + 2 \left(x \sin x - \int \sin x \, dx \right)$
 $= -x^2 \cos x + 2x \sin x + 2 \cos x$
 $= -x^2 \cos x + 2x \sin x + 2 \cos x + C$

(m) $\int_0^1 x^2 \cos x \, dx$
 $= \int_0^1 x^2 \cos x \, dx$
 $= x^2 \sin x - \int 2x \sin x \, dx$
 $= x^2 \sin x - 2 \int x \sin x \, dx$
 $= x^2 \sin x - 2 \left(-x \cos x + \int \cos x \, dx \right)$
 $= x^2 \sin x + 2x \cos x - 2 \sin x$
 $= x^2 \sin x + 2x \cos x - 2 \sin x + C$

(n) $\int_0^1 x^2 \sin x \, dx$
 $= \int_0^1 x^2 \sin x \, dx$
 $= -x^2 \cos x + \int 2x \cos x \, dx$
 $= -x^2 \cos x + 2 \int x \cos x \, dx$
 $= -x^2 \cos x + 2 \left(x \sin x - \int \sin x \, dx \right)$
 $= -x^2 \cos x + 2x \sin x + 2 \cos x$
 $= -x^2 \cos x + 2x \sin x + 2 \cos x + C$

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