

National Testing Agency

Question Paper Name: STATISTICAL SCIENCE 1st July 2019 Shift2
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Share Answer Key With Delivery Engine: Yes
Actual Answer Key: Yes

STATISTICAL SCIENCE

Group Number : 1
Group Id : 55317220
Group Maximum Duration : 0
Group Minimum Duration : 150
Revisit allowed for view? : No
Revisit allowed for edit? : No
Break time: 0
Group Marks: 640

Part A : STATISTICAL SCIENCE

Section Id : 55317228
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 160
Number of Questions to be attempted: 160
Section Marks: 640
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 55317250
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 5531723235 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The best forests have been

- 1) Reserved forests
- 2) State forests
- 3) Village forests
- 4) Protected forests

Options :

- 55317212881. 1
- 55317212882. 2
- 55317212883. 3
- 55317212884. 4

Question Number : 2 Question Id : 5531723236 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Who announced the introduction of National Food Security Act?

- 1) Narendra Modi
- 2) Arun Jaitley
- 3) Pranab Mukherjee
- 4) Manmohan Singh

Options :

- 55317212885. 1
- 55317212886. 2
- 55317212887. 3
- 55317212888. 4

Question Number : 3 Question Id : 5531723237 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT a nitrogenous fertilizer?

- 1) NH_4NO_3
- 2) Urea
- 3) CaCN_2
- 4) KCl

Options :

- 55317212889. 1
- 55317212890. 2
- 55317212891. 3
- 55317212892. 4

Question Number : 4 Question Id : 5531723238 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For which of the following is black soil very suitable?

- 1) Groundnut
- 2) Cotton
- 3) Wheat
- 4) Potato

Options :

- 55317212893. 1
- 55317212894. 2
- 55317212895. 3
- 55317212896. 4

Question Number : 5 Question Id : 5531723239 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The variety of coffee largely grown in India is

- 1) Old chicks
- 2) Coorgs
- 3) Arabica
- 4) Robusta

Options :

55317212897. 1

55317212898. 2

55317212899. 3

55317212900. 4

Question Number : 6 Question Id : 5531723240 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The instrument used to measure humidity is

- 1) Barometer
- 2) Hygrometer
- 3) Hydrometer
- 4) Altimeter

Options :

55317212901. 1

55317212902. 2

55317212903. 3

55317212904. 4

Question Number : 7 Question Id : 5531723241 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Target of communication function is

- 1) Audience
- 2) Communicator expert
- 3) Subject matter
- 4) Channels

Options :

55317212905. 1

55317212906. 2

55317212907. 3

55317212908. 4

Question Number : 8 Question Id : 5531723242 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Around successful demonstration, extension worker should conduct

- 1) Field day
- 2) Method demonstration
- 3) Campaign
- 4) Study tour

Options :

55317212909. 1
55317212910. 2
55317212911. 3
55317212912. 4

**Question Number : 9 Question Id : 5531723243 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Gir, Sahiwal and Deoni are breeds of

- 1) Buffaloes
- 2) Cows
- 3) Sheep
- 4) Goat

Options :

55317212913. 1
55317212914. 2
55317212915. 3
55317212916. 4

**Question Number : 10 Question Id : 5531723244 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

White rust is an important fungal disease of

- 1) Wheat
- 2) Rice
- 3) Mustard
- 4) Bajra

Options :

55317212917. 1
55317212918. 2
55317212919. 3
55317212920. 4

**Question Number : 11 Question Id : 5531723245 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

The straight line which touches the curve at infinity is called

- 1) Tangent
- 2) Asymptote
- 3) Chord
- 4) Radius

Options :

55317212921. 1
55317212922. 2
55317212923. 3
55317212924. 4

**Question Number : 12 Question Id : 5531723246 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

If A, B and C are three sets, then $A - (B \cup C)$ is equal to

- 1) $A - B$
- 2) $A - (B \cap C)$
- 3) $(A \cup B) \cap C$
- 4) $(A - B) \cap (A - C)$

Options :

55317212925. 1
55317212926. 2
55317212927. 3
55317212928. 4

Question Number : 13 Question Id : 5531723247 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The value of $\int_0^a \int_0^b (x^2 + y^2) dx dy$ is

- 1) $a b (a^2 + b^2)$
- 2) $a b / [3 (a^2 + b^2)]$
- 3) $a b / 3$
- 4) $(a^2 + b^2) / 2$

Options :

55317212929. 1
55317212930. 2
55317212931. 3
55317212932. 4

Question Number : 14 Question Id : 5531723248 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If $A = \begin{bmatrix} 3 & 1 \\ 7 & 2 \end{bmatrix}$, then A^{-1} is

- 1) $\begin{bmatrix} 3 & 1 \\ 7 & 2 \end{bmatrix}$
- 2) $\begin{bmatrix} 1 & 3 \\ 2 & 7 \end{bmatrix}$
- 3) $\begin{bmatrix} -2 & 1 \\ 7 & -3 \end{bmatrix}$
- 4) $\begin{bmatrix} 7 & 2 \\ 3 & 1 \end{bmatrix}$

Options :

55317212933. 1
55317212934. 2
55317212935. 3
55317212936. 4

Question Number : 15 Question Id : 5531723249 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one is NOT a polynomial?

- 1) $4x^2 + 2x - 1$
- 2) $x^3 - 1$
- 3) $y + 3 / y$
- 4) $y^2 + 5y + 1$

Options :

55317212937. 1
55317212938. 2
55317212939. 3
55317212940. 4

Question Number : 16 Question Id : 5531723250 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The value of $\lim_{x \rightarrow 1} \frac{(x^2-1)}{(x^2+3x-4)}$ is

- 1) $1 / 5$
- 2) $2 / 5$
- 3) $3 / 5$
- 4) $4 / 5$

Options :

55317212941. 1
55317212942. 2
55317212943. 3
55317212944. 4

Question Number : 17 Question Id : 5531723251 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The number of non-zero rows in an Echelon form is called

- 1) Rank of the matrix
- 2) Conjugate of the matrix
- 3) Reduced Echelon form
- 4) Cofactor of the matrix

Options :

55317212945. 1
55317212946. 2
55317212947. 3
55317212948. 4

Question Number : 18 Question Id : 5531723252 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The differential coefficient of $\log(|\log x|)$ with respect to $|\log x|$ is called

- 1) $1 / (x \log x)$
- 2) $1 / (x |\log x|)$
- 3) $1 / |\log x|$
- 4) $1 / (x \log |x|)$

Options :

55317212949. 1
55317212950. 2
55317212951. 3
55317212952. 4

Question Number : 19 Question Id : 5531723253 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The slope of $x^2y = 8$ at the point (2,2) is

- 1) 2
2) -2
3) -1
4) $-1/2$

Options :

55317212953. 1
55317212954. 2
55317212955. 3
55317212956. 4

Question Number : 20 Question Id : 5531723254 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If $f(x, y) = x^2 + y^3$; $x = t^2 + t^3$, $y = t^3 + t^9$, then df / dt at $t = 1$ is

- 1) 0
2) -1
3) 1
4) 164

Options :

55317212957. 1
55317212958. 2
55317212959. 3
55317212960. 4

Question Number : 21 Question Id : 5531723255 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

It is given that at $x = 1$, the function $f(x) = x^4 - 62x^2 + ax + 10$ attains maximum value on the interval $[0,2]$, then the value of a is

- 1) 120
2) 125
3) 0
4) -1

Options :

55317212961. 1
55317212962. 2
55317212963. 3
55317212964. 4

Question Number : 22 Question Id : 5531723256 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For complex number $Z = \cos \theta + i \sin \theta$, Z^n where n is any integer, is equal to

- 1) $\cos \theta^n + i \sin \theta^n$
- 2) $\tan n\theta + i \cot n\theta$
- 3) $\cos n\theta + i \sin n\theta$
- 4) $\cos n\theta + i \sin \theta$

Options :

55317212965. 1
55317212966. 2
55317212967. 3
55317212968. 4

Question Number : 23 Question Id : 5531723257 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If A and B are square matrices of the same order, which of the following is true ?

- 1) $A + B \neq B + A$
- 2) $(A^T)^T \neq A$
- 3) $AB \neq BA$
- 4) $(AB)^{-1} = A^{-1}B^{-1}$

Options :

55317212969. 1
55317212970. 2
55317212971. 3
55317212972. 4

Question Number : 24 Question Id : 5531723258 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If α and β are roots of $ax^2 + bx + c = 0$, then the value of $(\alpha + 1)(\beta + 1)$ is

- 1) $(a - b + c) / a$
- 2) $(a + b + c) / a$
- 3) $(a + b - c) / a$
- 4) $(b + c - a) / a$

Options :

55317212973. 1
55317212974. 2
55317212975. 3
55317212976. 4

Question Number : 25 Question Id : 5531723259 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The value of the determinant of identity matrix is equal to

- 1) 1
- 2) 0
- 3) Depends on the matrix
- 4) Infinity

Options :

55317212977. 1
55317212978. 2
55317212979. 3
55317212980. 4

Question Number : 26 Question Id : 5531723260 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Two vectors \vec{a}_1 and \vec{a}_2 are said to be linearly independent if $k_1 \vec{a}_1 + k_2 \vec{a}_2 = 0$, implies that

- 1) $k_1 \neq k_2$
- 2) $k_1 = 0, k_2 \neq 0$
- 3) $k_1 \neq 0, k_2 = 0$
- 4) $k_1 = k_2 = 0$

Options :

55317212981. 1
55317212982. 2
55317212983. 3
55317212984. 4

Question Number : 27 Question Id : 5531723261 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The number of elements in Power Set (PS) of the set S

$[[\phi], 1, [2, 3]]$ is

- 1) 2
- 2) 4
- 3) 8
- 4) 6

Options :

55317212985. 1
55317212986. 2
55317212987. 3
55317212988. 4

Question Number : 28 Question Id : 5531723262 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Let Maclaurin series of some $f(x)$ be given recursively, where a_n denotes the coefficient of x^n in the expansion. Also, given $a_n = a_{n-1}$ and $a_0 = 1$. Which of the following functions could be $f(x)$?

- 1) e^x
- 2) e^{2x}
- 3) $c + e^x$
- 4) No closed form exists

Options :

55317212989. 1
55317212990. 2
55317212991. 3
55317212992. 4

Question Number : 29 Question Id : 5531723263 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

$\lim_{x \rightarrow 0} 2^{\frac{1}{x}}$ is equal to

- 1) 0
- 2) 1
- 3) 2
- 4) Does not exist

Options :

- 55317212993. 1
- 55317212994. 2
- 55317212995. 3
- 55317212996. 4

Question Number : 30 Question Id : 5531723264 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The value of k for which the parabola is $y^2 = kx$ passes through the point (2,3) is equal to

- 1) $9/2$
- 2) $2/9$
- 3) $-2/9$
- 4) $3/2$

Options :

- 55317212997. 1
- 55317212998. 2
- 55317212999. 3
- 55317213000. 4

Question Number : 31 Question Id : 5531723265 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The value of $\int_0^{\pi/2} \sin^6 x dx$ is

- 1) $15\pi/96$
- 2) 0
- 3) $\pi/8$
- 4) $\pi/4$

Options :

- 55317213001. 1
- 55317213002. 2
- 55317213003. 3
- 55317213004. 4

Question Number : 32 Question Id : 5531723266 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The solution of differential equation $\log \left(\frac{dy}{dx}\right) = x + y$ is

- 1) $e^x + e^y = c$
- 2) $e^x + e^{-y} = c$
- 3) $e^{-x} + e^y = c$
- 4) $e^{-x} + e^{-y} = c$

Options :

55317213005. 1
55317213006. 2
55317213007. 3
55317213008. 4

Question Number : 33 Question Id : 5531723267 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Using Taylor's series, the expansion of $\sin x$ at $x = 0$, $-\pi \leq x \leq \pi$, is given as

- 1) $1 + x^2/2! + x^4/4! + \dots$
- 2) $1 - x^2/2! + x^4/4! - \dots$
- 3) $x + x^3/3! + x^5/5! + \dots$
- 4) $x - x^3/3! + x^5/5! - \dots$

Options :

55317213009. 1
55317213010. 2
55317213011. 3
55317213012. 4

Question Number : 34 Question Id : 5531723268 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The second derivative of $x^3 - 5x^2 + x$ is

- 1) $10x - 1$
- 2) $6x - 10$
- 3) $3x + 10$
- 4) $3x^2 - 5x$

Options :

55317213013. 1
55317213014. 2
55317213015. 3
55317213016. 4

Question Number : 35 Question Id : 5531723269 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The slope of the tangent to the curve $y = x^3 - 2x + 1$ at $x = 1$ is

- 1) 1
- 2) $1/3$
- 3) $1/2$
- 4) $1/4$

Options :

55317213017. 1
55317213018. 2
55317213019. 3
55317213020. 4

Question Number : 36 Question Id : 5531723270 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Number in the form $z = a + i b$ where $a, b \in \mathbb{R}$ and $i = \sqrt{-1}$ is called a/an

- 1) Rational number
- 2) Integer
- 3) Complex number
- 4) Prime number

Options :

55317213021. 1
55317213022. 2
55317213023. 3
55317213024. 4

Question Number : 37 Question Id : 5531723271 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For matrix A , A^{-1} is called,

- 1) Additive identity
- 2) Multiplicative identity
- 3) Multiplicative inverse
- 4) Additive inverse

Options :

55317213025. 1
55317213026. 2
55317213027. 3
55317213028. 4

Question Number : 38 Question Id : 5531723272 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

i^{10} is equal to

- 1) i
- 2) -1
- 3) 1
- 4) 0

Options :

55317213029. 1
55317213030. 2
55317213031. 3
55317213032. 4

Question Number : 39 Question Id : 5531723273 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The polynomial of type $ax^2 + bx + c = 0$, with $a = 0$ is

- 1) Linear
- 2) Quadratic
- 3) Cubic
- 4) Biquadratic

Options :

55317213033. 1

55317213034. 2

55317213035. 3

55317213036. 4

Question Number : 40 Question Id : 5531723274 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following relations among finite differences is not correct?

- 1) $\Delta^3 y_{-1} - \Delta^3 y_{-2} = \Delta^4 y_{-2}$
- 2) $\Delta^2 y_{-1} - \Delta^2 y_0 = \Delta^3 y_0$
- 3) $\Delta y_2 - \Delta y_1 = \Delta^2 y_1$
- 4) $y_2 - y_1 = \Delta y_1$

Options :

55317213037. 1

55317213038. 2

55317213039. 3

55317213040. 4

Question Number : 41 Question Id : 5531723275 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The value of $\int_0^{\pi/4} x^4 \sin x \, dx$ is

- 1) -1
- 2) 1
- 3) 0
- 4) $4(3\pi + 1)$

Options :

55317213041. 1

55317213042. 2

55317213043. 3

55317213044. 4

Question Number : 42 Question Id : 5531723276 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The complex conjugate of $z = x + iy$ is

- 1) $(x + iy)^2$
- 2) $x - iy$
- 3) $x^2 + y^2$
- 4) 0

Options :

- 55317213045. 1
- 55317213046. 2
- 55317213047. 3
- 55317213048. 4

Question Number : 43 Question Id : 5531723277 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The differential equation $\frac{dy}{dx} = \frac{f_1(x,y)}{f_2(x,y)}$ is called homogeneous if

- 1) If $f_1(x, y)$ and $f_2(x, y)$ are of different degree
- 2) If $f_1(x, y)$ and $f_2(x, y)$ are linear
- 3) If $f_1(x, y)$ and $f_2(x, y)$ are of same degree
- 4) $f_1(x, y)$ and $f_2(x, y)$ are quadratic

Options :

- 55317213049. 1
- 55317213050. 2
- 55317213051. 3
- 55317213052. 4

Question Number : 44 Question Id : 5531723278 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The characteristic roots of the matrix $\begin{bmatrix} 2 & 0 & 1 \\ 0 & 2 & 0 \\ 1 & 0 & 2 \end{bmatrix}$ are

- 1) 1, 4, 5
- 2) 1, 2, 3
- 3) 0, 1, 0
- 4) 5, 4, -1

Options :

- 55317213053. 1
- 55317213054. 2
- 55317213055. 3
- 55317213056. 4

Question Number : 45 Question Id : 5531723279 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

$\int \frac{1}{1+4x^2} dx$ is equal to

- 1) $1/2 \tan^{-1}(2x)$
- 2) $1/2 \tan^{-1} x$
- 3) $2 \tan^{-1} x$
- 4) $\tan^{-1} x$

Options :

- 55317213057. 1
- 55317213058. 2
- 55317213059. 3
- 55317213060. 4

Question Number : 46 Question Id : 5531723280 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The value of $\lim_{x \rightarrow \pi/4} \tan x^{\tan(2x)}$ is equal to

- 1) e
- 2) 1/e
- 3) -1/e
- 4) 1

Options :

55317213061. 1

55317213062. 2

55317213063. 3

55317213064. 4

Question Number : 47 Question Id : 5531723281 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The partial derivative $\frac{\partial^2}{\partial x \partial y} (x^2 + y^2 + z^2)$ is equal to

- 1) 2x
- 2) 2y
- 3) 2z
- 4) 0

Options :

55317213065. 1

55317213066. 2

55317213067. 3

55317213068. 4

Question Number : 48 Question Id : 5531723282 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The series $\sum \frac{1}{n^p}$ is divergent if

- 1) $p < 1$
- 2) $p \geq 1$
- 3) $p = 0$
- 4) $p \neq 0$

Options :

55317213069. 1

55317213070. 2

55317213071. 3

55317213072. 4

Question Number : 49 Question Id : 5531723283 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

$\frac{d^n}{dx^n} e^{ax+b}$ is equal to

- 1) e^{ax+b}
- 2) $a^n e^{ax+b}$
- 3) a^n
- 4) $a^n e^{ax}$

Options :

55317213073. 1
55317213074. 2
55317213075. 3
55317213076. 4

Question Number : 50 Question Id : 5531723284 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The solution of a differential equation which is not obtained from the general solution is known as

- 1) Particular solution
- 2) Singular solution
- 3) Complete solution
- 4) Auxiliary solution

Options :

55317213077. 1
55317213078. 2
55317213079. 3
55317213080. 4

Question Number : 51 Question Id : 5531723285 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Approximately what percentage of observations fall within one standard deviation of the mean in a normal distribution

- 1) 34%
- 2) 95%
- 3) 68%
- 4) 99%

Options :

55317213081. 1
55317213082. 2
55317213083. 3
55317213084. 4

Question Number : 52 Question Id : 5531723286 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The most ideal measure of central tendency is

- 1) Mode
- 2) Median
- 3) Arithmetic mean
- 4) Range

Options :

- 55317213085. 1
- 55317213086. 2
- 55317213087. 3
- 55317213088. 4

Question Number : 53 Question Id : 5531723287 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

What is the median of set of numbers: 7, 6, 4, 20, 9 ?

- 1) 7.5
- 2) 6
- 3) 7
- 4) 4

Options :

- 55317213089. 1
- 55317213090. 2
- 55317213091. 3
- 55317213092. 4

Question Number : 54 Question Id : 5531723288 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The value of regression coefficient lies between

- 1) $-\infty$ to $+\infty$
- 2) -1 to $+1$
- 3) $-\infty$ to 0
- 4) 0 to $+\infty$

Options :

- 55317213093. 1
- 55317213094. 2
- 55317213095. 3
- 55317213096. 4

Question Number : 55 Question Id : 5531723289 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Non - overlapping categories are known as

- 1) Inclusive
- 2) Exhaustive
- 3) Mutually exclusive
- 4) Inclusive and exhaustive

Options :

- 55317213097. 1

55317213098. 2
55317213099. 3
55317213100. 4

Question Number : 56 Question Id : 5531723290 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For a negatively skewed distribution with a single mode

- 1) Mean = Mode = Median
- 2) Mean < Median < Mode
- 3) Mean > Median > Mode
- 4) Mean = Median

Options :

55317213101. 1
55317213102. 2
55317213103. 3
55317213104. 4

Question Number : 57 Question Id : 5531723291 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Two events A and B, are independent, if

- 1) $P(A | B) = P(A)$
- 2) $P(A | B) = P(B)$
- 3) $P(A | B) = P(A) \cdot P(B)$
- 4) $P(A | B) = P(A) / P(B)$

Options :

55317213105. 1
55317213106. 2
55317213107. 3
55317213108. 4

Question Number : 58 Question Id : 5531723292 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Poisson distribution is also termed as distribution of

- 1) Finite events
- 2) Rare events
- 3) Infinite events
- 4) Common events

Options :

55317213109. 1
55317213110. 2
55317213111. 3
55317213112. 4

Question Number : 59 Question Id : 5531723293 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The difference between statistic and parameter is called

- 1) Random error
- 2) Non sampling error
- 3) Sampling error
- 4) Standard error

Options :

55317213113. 1
55317213114. 2
55317213115. 3
55317213116. 4

Question Number : 60 Question Id : 5531723294 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Probability of committing Type I error is called

- 1) Level of confidence
- 2) Level of significance
- 3) Producer's risk
- 4) Human error

Options :

55317213117. 1
55317213118. 2
55317213119. 3
55317213120. 4

Question Number : 61 Question Id : 5531723295 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Assumption underlying ANOVA are Normality, Homogeneity, Independence and

- 1) Interaction
- 2) Additivity
- 3) Proportionality
- 4) Heterogeneity

Options :

55317213121. 1
55317213122. 2
55317213123. 3
55317213124. 4

Question Number : 62 Question Id : 5531723296 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

When regression line passes through the origin, then

- 1) Regression coefficient is zero
- 2) Correlation coefficient is zero
- 3) Intercept is zero
- 4) Slope is zero

Options :

- 55317213125. 1
- 55317213126. 2
- 55317213127. 3
- 55317213128. 4

Question Number : 63 Question Id : 5531723297 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

CRD gives accurate information if all the experimental units present in the experiment are

- 1) Homogeneous
- 2) Heterogeneous
- 3) Finite
- 4) Infinite

Options :

- 55317213129. 1
- 55317213130. 2
- 55317213131. 3
- 55317213132. 4

Question Number : 64 Question Id : 5531723298 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Let the attribute A have 5 categories and attribute B have 4 categories. Then in order to test their independence chi-square test is used for which error degrees of freedom will be equal to

- 1) 20
- 2) 12
- 3) 15
- 4) 16

Options :

- 55317213133. 1
- 55317213134. 2
- 55317213135. 3
- 55317213136. 4

Question Number : 65 Question Id : 5531723299 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In which of the following design, the principle of local control is not used?

- 1) CRD
- 2) RBD
- 3) Analysis of Variance
- 4) None of these

Options :

- 55317213137. 1
- 55317213138. 2
- 55317213139. 3

55317213140. 4

Question Number : 66 Question Id : 5531723300 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

As variability due to chance increases, the F – value will

- 1) Increase
- 2) Decrease
- 3) Remain the same
- 4) Be zero

Options :

55317213141. 1

55317213142. 2

55317213143. 3

55317213144. 4

Question Number : 67 Question Id : 5531723301 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If the regression coefficient $\beta = 0$, then line of regression

- 1) Will be parallel to Y- Axis
- 2) Will be parallel to X- Axis
- 3) Will pass through origin
- 4) Will be perpendicular to X- Axis

Options :

55317213145. 1

55317213146. 2

55317213147. 3

55317213148. 4

Question Number : 68 Question Id : 5531723302 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For a systematic distribution, the coefficient of skewness will be

- 1) 1
- 2) 0
- 3) 3
- 4) -1

Options :

55317213149. 1

55317213150. 2

55317213151. 3

55317213152. 4

Question Number : 69 Question Id : 5531723303 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For testing the significance of sample correlation coefficient (r), based on n pair of observations, the test statistic is given by

- 1) $t = \frac{r}{\sqrt{1-r^2}} \cdot \sqrt{(n-1)}$
- 2) $t = \frac{r}{\sqrt{1-r^2}} \cdot \sqrt{(n-2)}$
- 3) $t = \frac{r}{\sqrt{1-r}} \cdot \sqrt{(n-1)}$
- 4) $t = \frac{r}{\sqrt{1-r}} \cdot \sqrt{(n-2)}$

Options :

- 55317213153. 1
- 55317213154. 2
- 55317213155. 3
- 55317213156. 4

Question Number : 70 Question Id : 5531723304 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For a binomial distribution, the number of trials should be

- 1) finite
- 2) infinite
- 3) irregular
- 4) regular

Options :

- 55317213157. 1
- 55317213158. 2
- 55317213159. 3
- 55317213160. 4

Question Number : 71 Question Id : 5531723305 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Parameter values are

- 1) constant
- 2) variable
- 3) infinite
- 4) none of these

Options :

- 55317213161. 1
- 55317213162. 2
- 55317213163. 3
- 55317213164. 4

Question Number : 72 Question Id : 5531723306 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Cause and effect relationship exists in

- 1) correlation
- 2) skewness
- 3) regression
- 4) mean

Options :

55317213165. 1

55317213166. 2

55317213167. 3

55317213168. 4

Question Number : 73 Question Id : 5531723307 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Critical region is also termed as

- 1) region of acceptance
- 2) region of rejection
- 3) test statistic
- 4) decision rule

Options :

55317213169. 1

55317213170. 2

55317213171. 3

55317213172. 4

Question Number : 74 Question Id : 5531723308 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A measure which is affected by extreme values is

- 1) median
- 2) mean
- 3) mode
- 4) quartile

Options :

55317213173. 1

55317213174. 2

55317213175. 3

55317213176. 4

Question Number : 75 Question Id : 5531723309 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For an asymmetric distribution, mode can be obtained by

- 1) $2 \text{ median} - 3 \text{ mean}$
- 2) $3 \text{ median} - 2 \text{ mean}$
- 3) $3 \text{ median} + 2 \text{ mean}$
- 4) $2 \text{ median} + 3 \text{ mean}$

Options :

55317213177. 1

55317213178. 2

55317213179. 3

55317213180. 4

Question Number : 76 Question Id : 5531723310 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

$P(A \cup B) = P(A) + P(B)$ implies that A and B are

- 1) Independent
- 2) Not mutually exclusive
- 3) Mutually exclusive
- 4) Not independent

Options :

55317213181. 1

55317213182. 2

55317213183. 3

55317213184. 4

Question Number : 77 Question Id : 5531723311 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For a binomial distribution

- 1) Mean < Variance
- 2) Mean = Variance
- 3) Mean > Variance
- 4) Mean / Variance = infinity

Options :

55317213185. 1

55317213186. 2

55317213187. 3

55317213188. 4

Question Number : 78 Question Id : 5531723312 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Non - sampling error is present in

- 1) Only in sample survey
- 2) Only in census survey
- 3) Only in pilot survey
- 4) All type of surveys

Options :

55317213189. 1

55317213190. 2

55317213191. 3

55317213192. 4

Question Number : 79 Question Id : 5531723313 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If probability of getting success in 5 trials is 0.4, then variance of binomial distribution is

- 1) 2.0
- 2) 1.2
- 3) 3.2
- 4) 4.5

Options :

- 55317213193. 1
- 55317213194. 2
- 55317213195. 3
- 55317213196. 4

Question Number : 80 Question Id : 5531723314 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For a data set, the values of first, second and third quartiles are given as $Q_1 = 12$, $Q_2 = 18$ and $Q_3 = 32$, then the value of quartile deviation is equal to

- 1) 6
- 2) 14
- 3) 7
- 4) 10

Options :

- 55317213197. 1
- 55317213198. 2
- 55317213199. 3
- 55317213200. 4

Question Number : 81 Question Id : 5531723315 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The range of correlation coefficient is

- 1) 0 to +1
- 2) - 1 to +1
- 3) 0 to infinity
- 4) +1 to infinity

Options :

- 55317213201. 1
- 55317213202. 2
- 55317213203. 3
- 55317213204. 4

Question Number : 82 Question Id : 5531723316 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Of Type 1 and Type II errors, which is regarded as a more serious error?

- 1) Type I error
- 2) Type II error
- 3) Both are equally serious
- 4) Neither one is serious

Options :

- 55317213205. 1
- 55317213206. 2
- 55317213207. 3
- 55317213208. 4

Question Number : 83 Question Id : 5531723317 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Smaller p-values indicate more evidence in support of

- 1) Null hypothesis
- 2) Alternative hypothesis
- 3) Quality of the researcher
- 4) Further testing

Options :

- 55317213209. 1
- 55317213210. 2
- 55317213211. 3
- 55317213212. 4

Question Number : 84 Question Id : 5531723318 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In chronological classification, the data are classified on the basis of

- 1) Attributes
- 2) Period
- 3) Location
- 4) Class – interval

Options :

- 55317213213. 1
- 55317213214. 2
- 55317213215. 3
- 55317213216. 4

Question Number : 85 Question Id : 5531723319 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The probability of drawing one white ball from a bag containing 6 red, 8 black, 10 yellow and 1 green ball is

- 1) $1/25$
- 2) 0
- 3) $24/25$
- 4) $15/25$

Options :

- 55317213217. 1
- 55317213218. 2
- 55317213219. 3
- 55317213220. 4

Question Number : 86 Question Id : 5531723320 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If mean and variance of a binomial distribution are 4 and $4/3$ respectively, then the number of trials will be

- 1) 6
- 2) 3
- 3) 4
- 4) 8

Options :

- 55317213221. 1
- 55317213222. 2
- 55317213223. 3
- 55317213224. 4

Question Number : 87 Question Id : 5531723321 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If X is a Poisson variate such that $P(X = 0) = P(X = 1)$, then the mean of the distribution is

- 1) 2
- 2) 3
- 3) 1
- 4) 5

Options :

- 55317213225. 1
- 55317213226. 2
- 55317213227. 3
- 55317213228. 4

Question Number : 88 Question Id : 5531723322 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If $r = 0.90$, then coefficient of determination is

- 1) 0.30
- 2) 0.45
- 3) 0.81
- 4) 0.90

Options :

- 55317213229. 1
- 55317213230. 2
- 55317213231. 3
- 55317213232. 4

Question Number : 89 Question Id : 5531723323 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Number of possible samples of size n from a population of size N
with SRSWR is

- 1) N^2
- 2) N^n
- 3) ${}^N C_n$
- 4) n^N

Options :

55317213233. 1

55317213234. 2

55317213235. 3

55317213236. 4

Question Number : 90 Question Id : 5531723324 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The sum of absolute deviations about median is

- 1) least
- 2) greatest
- 3) 0
- 4) Equal

Options :

55317213237. 1

55317213238. 2

55317213239. 3

55317213240. 4

Question Number : 91 Question Id : 5531723325 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The point of intersection of the 'less than' and the 'greater than'
ogive curves corresponds to

- 1) Mean
- 2) Median
- 3) Geometric mean
- 4) Harmonic mean

Options :

55317213241. 1

55317213242. 2

55317213243. 3

55317213244. 4

Question Number : 92 Question Id : 5531723326 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If each of a set of observations of a variable is added by a constant (non-zero) value, the variance of the resultant variable is

- 1) Unaltered
- 2) Increases
- 3) Decreases
- 4) Unknown

Options :

- 55317213245. 1
- 55317213246. 2
- 55317213247. 3
- 55317213248. 4

Question Number : 93 Question Id : 5531723327 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The two lines of regression are given as $x + 2y - 5 = 0$ and $2x + 3y = 8$, then mean values of x and y , are respectively

- 1) 2, 1
- 2) 2, 5
- 3) 1, 2
- 4) 2, 3

Options :

- 55317213249. 1
- 55317213250. 2
- 55317213251. 3
- 55317213252. 4

Question Number : 94 Question Id : 5531723328 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In simultaneous tossing of two unbiased coins, the probability of having at least one head is

- 1) $1/2$
- 2) $1/4$
- 3) $3/4$
- 4) 1

Options :

- 55317213253. 1
- 55317213254. 2
- 55317213255. 3
- 55317213256. 4

Question Number : 95 Question Id : 5531723329 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Given $\sigma^2 = 36$, the standard error of mean of a sample of size 100 selected by SRSWR is

- 1) 10
- 2) 3.6
- 3) 6
- 4) 0.6

Options :

- 55317213257. 1
- 55317213258. 2
- 55317213259. 3
- 55317213260. 4

Question Number : 96 Question Id : 5531723330 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is correct?

- 1) $AM \leq GM \leq HM$
- 2) $AM \geq GM \geq HM$
- 3) $AM \geq GM \leq HM$
- 4) $GM \leq AM \leq HM$

Options :

- 55317213261. 1
- 55317213262. 2
- 55317213263. 3
- 55317213264. 4

Question Number : 97 Question Id : 5531723331 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If $P(A | B) = 1 / 4$ and $P(B | A) = 1 / 3$, then $P(A) / P(B)$ is equal to

- 1) $3 / 4$
- 2) $7 / 12$
- 3) $4 / 3$
- 4) $1 / 12$

Options :

- 55317213265. 1
- 55317213266. 2
- 55317213267. 3
- 55317213268. 4

Question Number : 98 Question Id : 5531723332 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The square of standard normal variate is distributed as

- 1) Student's t
- 2) Chi square with 1 degrees of freedom
- 3) F - distribution
- 4) Chi Square with n degrees of freedom

Options :

55317213269. 1
55317213270. 2
55317213271. 3
55317213272. 4

Question Number : 99 Question Id : 5531723333 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Who among the following is know as father of statistics?

- 1) P V Sukhatme
- 2) C R Rao
- 3) R A Fisher
- 4) J K Ghosh

Options :

55317213273. 1
55317213274. 2
55317213275. 3
55317213276. 4

Question Number : 100 Question Id : 5531723334 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

If a hypothesis is rejected at 5% level of significance, it

- 1) Will always be rejected at 1% level
- 2) Will always be accepted at 1% level
- 3) Will never be rejected at 1% level
- 4) May or may not be rejected at 1% level

Options :

55317213277. 1
55317213278. 2
55317213279. 3
55317213280. 4

Question Number : 101 Question Id : 5531723335 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

If the variable X follows normal distribution with mean μ and variance σ^2 , then the variable $z = (x - \mu) / \sigma$ will follow

- 1) Binomial distribution
- 2) Standard normal distribution
- 3) Poisson distribution
- 4) Multinomial distribution

Options :

55317213281. 1
55317213282. 2
55317213283. 3
55317213284. 4

Question Number : 102 Question Id : 5531723336 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following tests is used to test $H_0: \sigma^2 = \sigma_0^2$ vs. $H_1: \sigma^2 \neq \sigma_0^2$?

- 1) z-test
- 2) t - test
- 3) F - test
- 4) Chi - square test

Options :

55317213285. 1

55317213286. 2

55317213287. 3

55317213288. 4

Question Number : 103 Question Id : 5531723337 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Four unbiased coins are tossed 256 times. What is the probability of getting at least one head?

- 1) 1/ 16
- 2) 15 / 16
- 3) 0
- 4) 1

Options :

55317213289. 1

55317213290. 2

55317213291. 3

55317213292. 4

Question Number : 104 Question Id : 5531723338 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

When the correlation coefficient $r = +/- 1$, the two regression lines will (be)

- 1) Perpendicular to each other
- 2) Coincide with each other
- 3) Parallel to each other
- 4) Not meet each other

Options :

55317213293. 1

55317213294. 2

55317213295. 3

55317213296. 4

Question Number : 105 Question Id : 5531723339 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Let E_1, E_2, \dots, E_n be a partition of the sample space S and suppose each of the events E_1, E_2, \dots, E_n has non-zero probability. Let A be any event associated with S , then in Bayes' theorem, the conditional probability $P(E_i | A)$ is called

- 1) Priori probability
- 2) Conditional event
- 3) A posteriori probability
- 4) Hypothesis

Options :

55317213297. 1

55317213298. 2

55317213299. 3

55317213300. 4

Question Number : 106 Question Id : 5531723340 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In an RBD, 10 treatments are replicated in 3 blocks. The error degrees of freedom will be equal to

- 1) 30
- 2) 20
- 3) 18
- 4) 27

Options :

55317213301. 1

55317213302. 2

55317213303. 3

55317213304. 4

Question Number : 107 Question Id : 5531723341 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following principles are used in completely randomized design?

- 1) Replication and randomization
- 2) Replication and local control
- 3) Randomization and local control
- 4) Replication, randomization and local control

Options :

55317213305. 1

55317213306. 2

55317213307. 3

55317213308. 4

Question Number : 108 Question Id : 5531723342 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

To treat the effectiveness of a particular over control, the suitable test is

- 1) t - test
- 2) paired t - test
- 3) F test
- 4) Z-test

Options :

- 55317213309. 1
- 55317213310. 2
- 55317213311. 3
- 55317213312. 4

Question Number : 109 Question Id : 5531723343 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The precision of the experiment increases, as the experimental error

- 1) Increases
- 2) Decreases
- 3) Remains unchanged
- 4) None of the above

Options :

- 55317213313. 1
- 55317213314. 2
- 55317213315. 3
- 55317213316. 4

Question Number : 110 Question Id : 5531723344 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Level of significance is the

- 1) Probability of Type II error
- 2) Probability of Type I error
- 3) Same as the confidence coefficient
- 4) Same as p-value

Options :

- 55317213317. 1
- 55317213318. 2
- 55317213319. 3
- 55317213320. 4

Question Number : 111 Question Id : 5531723345 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

When the observed and expected frequencies completely coincide, the value of the chi – square will be

- 1) + 1
- 2) > 1
- 3) < 1
- 4) 0

Options :

- 55317213321. 1
- 55317213322. 2
- 55317213323. 3
- 55317213324. 4

Question Number : 112 Question Id : 5531723346 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If $P(A) = 0.4$, $P(B) = 0.5$ and $P(A \cap B) = 0.2$, then $P(B | A)$ is

- 1) $1/2$
- 2) $4/5$
- 3) $1/3$
- 4) $1/4$

Options :

- 55317213325. 1
- 55317213326. 2
- 55317213327. 3
- 55317213328. 4

Question Number : 113 Question Id : 5531723347 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Whether a test is one - sided or two - sided depends on

- 1) Simple hypothesis
- 2) Composite hypothesis
- 3) Alternative hypothesis
- 4) Null hypothesis

Options :

- 55317213329. 1
- 55317213330. 2
- 55317213331. 3
- 55317213332. 4

Question Number : 114 Question Id : 5531723348 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Paired t – test is applicable when the observations in the two sample are

- 1) Matched together
- 2) Not correlated
- 3) Unequal in number
- 4) Independent

Options :

- 55317213333. 1
- 55317213334. 2
- 55317213335. 3
- 55317213336. 4

**Question Number : 115 Question Id : 5531723349 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

The height of timber plans is measured in meters, then unit of variance of these plants is

- 1) No unit
- 2) In meters
- 3) In cubic meters
- 4) In square meters

Options :

- 55317213337. 1
- 55317213338. 2
- 55317213339. 3
- 55317213340. 4

**Question Number : 116 Question Id : 5531723350 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

If we have 5 groups having 6 observations, then error degrees of freedom for one-way ANOVA is

- 1) 25
- 2) 24
- 3) 20
- 4) 30

Options :

- 55317213341. 1
- 55317213342. 2
- 55317213343. 3
- 55317213344. 4

**Question Number : 117 Question Id : 5531723351 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Average marks of the students in a final exam is 50 and its c. v. is 5. The value of standard deviation will be

- 1) 25
- 2) 2.5
- 3) 5
- 4) 10

Options :

- 55317213345. 1
- 55317213346. 2
- 55317213347. 3
- 55317213348. 4

Question Number : 118 Question Id : 5531723352 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which one of the following represents the best estimate of the population mean for a normal population?

- 1) Sample mean
- 2) Mean of several sample means
- 3) Weighted mean
- 4) Median of several sample means

Options :

55317213349. 1
55317213350. 2
55317213351. 3
55317213352. 4

Question Number : 119 Question Id : 5531723353 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The experimental design wherein the heterogeneity in the experimental units is in one direction is

- 1) CRD
- 2) RBD
- 3) t - test
- 4) F – test

Options :

55317213353. 1
55317213354. 2
55317213355. 3
55317213356. 4

Question Number : 120 Question Id : 5531723354 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The range of t – distribution is

- 1) 0 to ∞
- 2) - 1 to + 1
- 3) - ∞ to 0
- 4) - ∞ to + ∞

Options :

55317213357. 1
55317213358. 2
55317213359. 3
55317213360. 4

Question Number : 121 Question Id : 5531723355 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Equality of several normal population means can be treated by

- 1) F – test
- 2) Chi – square test
- 3) Bartlett's test
- 4) t–test

Options :

- 55317213361. 1
- 55317213362. 2
- 55317213363. 3
- 55317213364. 4

**Question Number : 122 Question Id : 5531723356 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

If, for a situation, median is considered as a suitable measure of central tendency then corresponding measure of dispersion used should be

- 1) Range
- 2) Quartile deviation
- 3) Standard deviation
- 4) Mean deviation

Options :

- 55317213365. 1
- 55317213366. 2
- 55317213367. 3
- 55317213368. 4

**Question Number : 123 Question Id : 5531723357 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

If mean of a Poisson distribution is 4, then coefficient of variation is

- 1) 25%
- 2) 50%
- 3) 75%
- 4) 100%

Options :

- 55317213369. 1
- 55317213370. 2
- 55317213371. 3
- 55317213372. 4

**Question Number : 124 Question Id : 5531723358 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

H_0 and H_1 are statements about

- 1) Population parameters
- 2) Sample statistics
- 3) Sample parameters
- 4) Population statistic

Options :

55317213373. 1

55317213374. 2

55317213375. 3

55317213376. 4

Question Number : 125 Question Id : 5531723359 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

ANOVA table of RBD produces degrees of freedom = (2, 12) for the F - ratio for comparing treatments. How many replications were used in the experiment?

- 1) 2
- 2) 3
- 3) 7
- 4) 6

Options :

55317213377. 1

55317213378. 2

55317213379. 3

55317213380. 4

Question Number : 126 Question Id : 5531723360 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

As sample size increases, the SE of mean

- 1) Increases
- 2) Decreases
- 3) Remains unchanged
- 4) Becomes unimaginable

Options :

55317213381. 1

55317213382. 2

55317213383. 3

55317213384. 4

Question Number : 127 Question Id : 5531723361 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A frequency curve having high peakedness is called

- 1) Mesokurtic
- 2) Leptokurtic
- 3) Platykurtic
- 4) Normal curve

Options :

- 55317213385. 1
- 55317213386. 2
- 55317213387. 3
- 55317213388. 4

**Question Number : 128 Question Id : 5531723362 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Which of the following represents data?

- 1) A single value
- 2) Two values in a series
- 3) A group of values in a series
- 4) A fixed value

Options :

- 55317213389. 1
- 55317213390. 2
- 55317213391. 3
- 55317213392. 4

**Question Number : 129 Question Id : 5531723363 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Sum of the squared deviations from mean is

- 1) Maximum
- 2) Zero
- 3) Minimum
- 4) Infinity

Options :

- 55317213393. 1
- 55317213394. 2
- 55317213395. 3
- 55317213396. 4

**Question Number : 130 Question Id : 5531723364 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Which of the following is a unitless measure?

- 1) Correlation coefficient
- 2) Mean
- 3) Variance
- 4) Standard deviation

Options :

- 55317213397. 1
- 55317213398. 2
- 55317213399. 3
- 55317213400. 4

**Question Number : 131 Question Id : 5531723365 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

The brain of any computer system is

- 1) ALU
- 2) Memory
- 3) CPU
- 4) Control unit

Options :

55317213401. 1
55317213402. 2
55317213403. 3
55317213404. 4

Question Number : 132 Question Id : 5531723366 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The typical data transfer rate in LAN is of the order of

- 1) Bits / second
- 2) Kilobits / second
- 3) Megabits / second
- 4) Gigabits / second

Options :

55317213405. 1
55317213406. 2
55317213407. 3
55317213408. 4

Question Number : 133 Question Id : 5531723367 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Laptop PCs are also known as _____ computers

- 1) Mainframe
- 2) Super
- 3) Notebook
- 4) Personal

Options :

55317213409. 1
55317213410. 2
55317213411. 3
55317213412. 4

Question Number : 134 Question Id : 5531723368 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which method is used to connect a remote computer?

- 1) Device
- 2) Dial - up
- 3) Diagnostic
- 4) Logic circuit

Options :

- 55317213413. 1
- 55317213414. 2
- 55317213415. 3
- 55317213416. 4

Question Number : 135 Question Id : 5531723369 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

To convert digital signals from a computer into analog signal, a hybrid computer uses

- 1) Modulator
- 2) Demodulator
- 3) Modem
- 4) Decoder

Options :

- 55317213417. 1
- 55317213418. 2
- 55317213419. 3
- 55317213420. 4

Question Number : 136 Question Id : 5531723370 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A language which is close to that used within the computer is

- 1) High level language
- 2) Assembly language
- 3) Low level language
- 4) Programming language

Options :

- 55317213421. 1
- 55317213422. 2
- 55317213423. 3
- 55317213424. 4

Question Number : 137 Question Id : 5531723371 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A pen - shaped device which senses light used to point spots on a video screen is

- 1) Mouse
- 2) Light pen
- 3) Joystick
- 4) Plotter

Options :

- 55317213425. 1
- 55317213426. 2
- 55317213427. 3
- 55317213428. 4

Question Number : 138 Question Id : 5531723372 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

RAM is used as a short memory because it is / has

- 1) Volatile
- 2) Small capacity
- 3) Very expensive
- 4) Programmable

Options :

55317213429. 1

55317213430. 2

55317213431. 3

55317213432. 4

Question Number : 139 Question Id : 5531723373 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In how many generations, computers can be classified?

- 1) 3
- 2) 4
- 3) 5
- 4) 8

Options :

55317213433. 1

55317213434. 2

55317213435. 3

55317213436. 4

Question Number : 140 Question Id : 5531723374 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

GUI stands for

- 1) Graph Use Interface
- 2) Graphical Universal Interface
- 3) Graphical User Interface
- 4) Graphical Unit Interface

Options :

55317213437. 1

55317213438. 2

55317213439. 3

55317213440. 4

Question Number : 141 Question Id : 5531723375 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is not an application software package?

- 1) Redhat Linux
- 2) Microsoft office
- 3) Adobe Page Maker
- 4) Open office

Options :

- 55317213441. 1
- 55317213442. 2
- 55317213443. 3
- 55317213444. 4

Question Number : 142 Question Id : 5531723376 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which network protocol is used to send emails?

- 1) FTP
- 2) SSH
- 3) POP3
- 4) SMTP

Options :

- 55317213445. 1
- 55317213446. 2
- 55317213447. 3
- 55317213448. 4

Question Number : 143 Question Id : 5531723377 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is the fastest?

- 1) CPU
- 2) Magnetic tapes and disks
- 3) Video terminal
- 4) Sensors, mechanical controllers

Options :

- 55317213449. 1
- 55317213450. 2
- 55317213451. 3
- 55317213452. 4

Question Number : 144 Question Id : 5531723378 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

When PC is switched on, it loads the bootable DOS program from the disk memory. This type of booting is known as

- 1) Hot booting
- 2) Cold booting
- 3) Warm booting
- 4) Soft booting

Options :

- 55317213453. 1
- 55317213454. 2
- 55317213455. 3
- 55317213456. 4

Question Number : 145 Question Id : 5531723379 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The file extension name of MS - Word document in office 2007 is

- 1) .doc
- 2) .docx
- 3) .pdf
- 4) .txt

Options :

- 55317213457. 1
- 55317213458. 2
- 55317213459. 3
- 55317213460. 4

Question Number : 146 Question Id : 5531723380 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In computers, for solving a problem set of steps is made. The process of solving the problem by setting the steps for solving a particular problem is called

- 1) Flowchart
- 2) Formula
- 3) Software
- 4) Algorithm

Options :

- 55317213461. 1
- 55317213462. 2
- 55317213463. 3
- 55317213464. 4

Question Number : 147 Question Id : 5531723381 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A feature of MS - Office that saves the document automatically after a certain fixed interval is

- 1) Save
- 2) Save as
- 3) Autosave
- 4) Backup

Options :

- 55317213465. 1
- 55317213466. 2
- 55317213467. 3
- 55317213468. 4

Question Number : 148 Question Id : 5531723382 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

To go to a specific location in a document, we use

- 1) Table of contents
- 2) Control G
- 3) Bookmark
- 4) Macro

Options :

55317213469. 1
55317213470. 2
55317213471. 3
55317213472. 4

Question Number : 149 Question Id : 5531723383 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Superscript, subscript and strikethrough are known as

- 1) Font face
- 2) Font style
- 3) Font effects
- 4) Font format

Options :

55317213473. 1
55317213474. 2
55317213475. 3
55317213476. 4

Question Number : 150 Question Id : 5531723384 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which one is the spreadsheet application that comes with MS - office?

- 1) MS - Word
- 2) MS - Excel
- 3) MS - PowerPoint
- 4) MS - Access

Options :

55317213477. 1
55317213478. 2
55317213479. 3
55317213480. 4

Question Number : 151 Question Id : 5531723385 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

What is the shortcut key to go to the open dialog box?

- 1) F12
- 2) Shift F12
- 3) Alt F12
- 4) Ctrl F12

Options :

- 55317213481. 1
- 55317213482. 2
- 55317213483. 3
- 55317213484. 4

Question Number : 152 Question Id : 5531723386 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The options portrait and landscape in MS- Office come under

- 1) Paper size
- 2) Paper orientation
- 3) Page layout
- 4) Page rotation

Options :

- 55317213485. 1
- 55317213486. 2
- 55317213487. 3
- 55317213488. 4

Question Number : 153 Question Id : 5531723387 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The database application in MS office is

- 1) MS - Excel
- 2) MS - Access
- 3) MS - dBase
- 4) MS - Foxpro

Options :

- 55317213489. 1
- 55317213490. 2
- 55317213491. 3
- 55317213492. 4

Question Number : 154 Question Id : 5531723388 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

What is the intersection of a column and row in MS - Excel worksheet?

- 1) Box
- 2) Value
- 3) Address
- 4) Cell

Options :

55317213493. 1
55317213494. 2
55317213495. 3
55317213496. 4

**Question Number : 155 Question Id : 5531723389 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Which of the following is NOT a valid version of MS-Office?

- 1) Office XP
- 2) Office Vista
- 3) Office 2007
- 4) Office 2003

Options :

55317213497. 1
55317213498. 2
55317213499. 3
55317213500. 4

**Question Number : 156 Question Id : 5531723390 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

A feature that displays only the data in column(s) according to specified criteria in MS - Excel is

- 1) Formula
- 2) Sorting
- 3) Filtering
- 4) Pivot

Options :

55317213501. 1
55317213502. 2
55317213503. 3
55317213504. 4

**Question Number : 157 Question Id : 5531723391 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Mathematical formula in Excel worksheet must begin with

- 1) A 'bracket' ([]) sign
- 2) An 'equal to' (=) sign
- 3) A 'plus' (+) sign
- 4) A 'greater than' (>) sign

Options :

55317213505. 1
55317213506. 2
55317213507. 3
55317213508. 4

**Question Number : 158 Question Id : 5531723392 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Which of the following is a protein sequence?

- 1) DDBJ
- 2) EMBC
- 3) Gene Bank
- 4) PIR

Options :

55317213509. 1
55317213510. 2
55317213511. 3
55317213512. 4

Question Number : 159 Question Id : 5531723393 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is not a sequence alignment tool?

- 1) Rasmol
- 2) BLAST
- 3) FASTA
- 4) Clustal W

Options :

55317213513. 1
55317213514. 2
55317213515. 3
55317213516. 4

Question Number : 160 Question Id : 5531723394 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Phylogenetic relationship can be shown by

- 1) Dendogram
- 2) Gene bank
- 3) Data retrieving tool
- 4) Data search tool

Options :

55317213517. 1
55317213518. 2
55317213519. 3
55317213520. 4