Q.1 The four geometric means between 2 and 64 are

Ans
✗ 1. 1/4, 1/8, 1/16, 1/32
✓ 2. 4, 8, 16, 32
✗ 3. $4\sqrt{2}, 8, 16\sqrt{2}, 32$
✗ 4. none of the above

Question Type :
Question ID :
Status :
Chosen Option :

Q.2 If $y = tan^{-1}\left(\frac{3x-x^3}{1-3x^3}\right), -\frac{1}{\sqrt{3}} < x < \frac{1}{\sqrt{3}}$, then dy/dx is

Ans
✗ 1. $-\frac{1}{1+x^2}$
✓ 2. $\frac{3}{1+x^2}$
✗ 3. $\frac{3}{\sqrt{1+x^2}}$
✗ 4. $\frac{1}{\sqrt{1+x^2}}$

Question Type :
Question ID :
Status :
Chosen Option :

Q.3 If the vectors $a\hat{i}+\hat{j}+\bar{k}$, $\hat{i}+b\hat{j}+\bar{k}$, $\hat{i}+\hat{j}+c\bar{k}$ (a,b,c ≠ 1) are coplanar, then

$\frac{1}{1-a}+\frac{1}{1-b}+\frac{1}{1-c}=$

Ans
✗ 1. 0
✓ 2. 1
✗ 3. 2
✗ 4. 3

Question Type :
Question ID :
Status :
Chosen Option :

Q.4 If $f : R \to R$ is defined by

$$f(x) = \begin{cases} \frac{x+2}{x^2+3x+2} & if\ x \in R - \{-1,-2\} \\ -1 & if\ x = -2 \\ 0 & if\ x = -1 \end{cases}$$

then f(x) is continuous on the set

Ans
✗ 1. R
✗ 2. R-{-2}
✓ 3. R-{-1}
✗ 4. R-{-1,-2}

Question Type :
Question ID :

Q.5 If $H_1, H_2, \ldots, H_n$ are n harmonic means between a and b ($\neq$ a), then

$$\frac{H_1 + a}{H_1 - a} + \frac{H_n + b}{H_n - b} =$$

Ans
1. 2n ✔
2. n+1 ✘
3. n-1 ✘
4. 2n+1 ✘

Question Type :
Question ID :
Status :
Chosen Option :

Q.6 If θ is the acute angle between the pair of lines $x^2 - 7xy + 12y^2 = 0$, then

$$\frac{2\,Cos\,\theta + 3\,Sin\,\theta}{4\,Sin\,\theta + 5\,Cos\,\theta} =$$

Ans
1. $\frac{29}{69}$ ✔
2. $\frac{61}{39}$ ✘
3. $\frac{39}{61}$ ✘
4. $\frac{69}{29}$ ✘

Question Type :
Question ID :
Status :
Chosen Option :

Q.7 The number of common tangent to the circles $x^2 + y^2 = 4$ *and* $x^2 + y^2 - 6x - 8y = 24$ *is*

Ans
1. 0 ✘
2. 1 ✔
3. 3 ✘
4. 4 ✘

Question Type :
Question ID :
Status :
Chosen Option :

Q.8 The general value of θ, satisfying the equation, $sin\,\theta = -\frac{1}{2}, tan\,\theta = \frac{1}{\sqrt{3}}$ is:

Ans
1. $n\pi + \frac{\pi}{6}, n \in I$ ✘
2. $n\pi + (-1)^n\left(\frac{7\pi}{6}\right), n \in I$ ✘
3. $2n\pi \pm \frac{7\pi}{6}, n \in I$ ✔
4. $2n\pi + \frac{11\pi}{6}, n \in I$ ✘

Question Type :
Question ID :
Status :
Chosen Option :

Q.9 $\lim_{x\to\infty}\left(\frac{x+7}{x+2}\right)^{x+5}$ equals to

Ans
1. e^5 ✔
2. e^{-5} ✘
3. e^2 ✘
4. e^{-2} ✘

Question Type :

Q.10 If $F(\theta) = \begin{bmatrix} \cos\theta & -\sin\theta & 0 \\ \sin\theta & \cos\theta & 0 \\ 0 & 0 & 1 \end{bmatrix}$, then F(θ) F(α) is equal to

Ans
✗ 1. F(θα)
✗ 2. F(θ/α)
✓ 3. F(θ+ α)
✗ 4. F(θ - α)

Question Type : M
Question ID : 1
Status : A
Chosen Option : 3

Q.11 The standard deviation of 20 numbers is 30. If each of the numbers is increased by 4, then the new standard deviation will be

Ans
✗ 1. 24
✗ 2. 34
✓ 3. 30
✗ 4. 20

Question Type : M
Question ID : 1
Status : A
Chosen Option : 4

Q.12 Angle between $\vec{a}$ and $\vec{b}$ is 120^0. If $|\vec{b}| = 2|\vec{a}|$ and the vectors $\vec{a} + x\vec{b}, \vec{a} - \vec{b}$ are at right angles, then x =

Ans
✗ 1. $\frac{1}{3}$
✗ 2. $\frac{1}{5}$
✗ 3. $\frac{2}{3}$
✓ 4. $\frac{2}{5}$

Question Type : M
Question ID : 1
Status : A
Chosen Option : 3

Q.13 *Let* $\vec{a} = \hat{i} + \hat{j}$ *and* $\vec{b} = 2\hat{i} - \hat{k}$. Then, the point of intersection of the lines

$$\vec{r} \times \vec{a} = \vec{b} \times \vec{a} \text{ and } \vec{r} \times \vec{b} = \vec{a} \times \vec{b} \text{ is}$$

Ans
✗ 1. $-\hat{i} + \hat{j} + \hat{k}$
✗ 2. $3\hat{i} - \hat{j} + \hat{k}$
✗ 3. $\hat{i} - \hat{j} - \hat{k}$
✓ 4. $3\hat{i} + \hat{j} - \hat{k}$

Question Type : M
Question ID : 1
Status : M
Chosen Option : -

Q.14 If $y = Sin^{-1}\left(\frac{x^2+1}{\sqrt{1+3x^2+x^4}}\right)$ $(x > 0)$, then $\frac{dy}{dx} =$

Ans

✔ 1. $\frac{x^2-1}{x^4+3x^2+1}$

✘ 2. $\frac{x^2+1}{x^4+3x^2+1}$

✘ 3. $\frac{x^2-1}{x^4-3x^2+1}$

✘ 4. $\frac{x^2+1}{x^4-3x^2+1}$

Question Typ
Question I
Statu
Chosen Optio

Q.15 If n is an integer between 0 to 21, then find a value of n for which the value of n! (21 – n)! is minimum.

Ans

✘ 1. 9

✔ 2. 10

✘ 3. 12

✘ 4. 21

Question Typ
Question I
Statu
Chosen Optio

Q.16 *The area of the region bounded by the* $X-$*axis and the curves defined by* $y = \tan x, -\frac{\pi}{3} \le x \le \frac{\pi}{3}$ *and* $y = \cot x, \quad \frac{\pi}{6} \le x \le \frac{3\pi}{2}$ *is*

Ans

✘ 1. $-\frac{1}{2}\log 2$

✘ 2. $\frac{1}{2}\log 2$

✔ 3. $\log 2$

✘ 4. none of the above

Question Typ
Question I
Statu
Chosen Optio

Q.17 Let $\vec{a} = 2\hat{i} + \hat{j} + 2\hat{k}$, $\vec{b} = \hat{i} - \hat{j} + 2\hat{k}$ and $\vec{c} = \hat{i} + \hat{j} - 2\hat{k}$ are three vectors. Then, a vector in the plane of $\vec{a}$ and $\vec{c}$ whose projection on $\vec{b}$ is of magnitude $\frac{1}{\sqrt{6}}$ is

Ans

✘ 1. $3\hat{i} - 2\hat{j}$

✔ 2. $3\hat{i} + 2\hat{j}$

✘ 3. $2\hat{i} + 3\hat{j} - \hat{k}$

✘ 4. $3\hat{i} + 2\hat{j} + \hat{k}$

Question Typ
Question I
Statu
Chosen Optio

Q.18 If $\alpha \neq \beta$ and $\alpha^2 = 5\alpha - 3$, $\beta^2 = 5\beta - 3$, then the equation whose roots are $\frac{\alpha}{\beta}$ and $\frac{\beta}{\alpha}$ is

Ans

✘ 1. $3x^2 - 25x + 3 = 0$

✘ 2. $3x^2 + 5x + 3 = 0$

✘ 3. $3x^2 - 5x + 3 = 0$

✔ 4. $3x^2 - 19x + 3 = 0$

Q.19 If $a \cos\theta + b \sin\theta = 2$ and $a \sin\theta - b \cos\theta = 3$, then $a^2 + b^2 =$

Ans
1. ✗ 6
2. ✗ 5
3. ✓ 13
4. ✗ 10

Question Type :
Question ID :
Status :
Chosen Option :

Q.20 If a variable takes values 0, 1, 2, ..., 50 with frequencies $1, {}^{50}C_1, {}^{50}C_2, \ldots\ldots, {}^{50}C_{50}$, then the A.M. is

Ans
1. ✗ 50
2. ✓ 25
3. ✗ $2^{50}/50$
4. ✗ 51

Question Type :
Question ID :
Status :
Chosen Option :

Q.21 If X and Y are two sets, then $X \cap Y' \cap (X \cup Y)'$ is

Ans
1. ✗ X'
2. ✗ Y'
3. ✓ ϕ
4. ✗ none of the above

Question Type :
Question ID :
Status :
Chosen Option :

Q.22 The area of the triangle formed by the vertices whose position vectors are

$3\hat{i} + \hat{j},\ 5\hat{i} + 2\hat{j} + \hat{k},\ \hat{i} - 2\hat{j} + 3\hat{k}$ is

Ans
1. ✗ $\sqrt{21}$ sq.units
2. ✗ $\sqrt{23}$ sq.units
3. ✗ $\sqrt{33}$ sq.units
4. ✓ $\sqrt{29}$ sq. units

Question Type :

Q.23 Consider the following frequency distribution table.

Class interval	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	180	f_1	34	180	136	f_2	50

If the total frequency is 686 and the median is 42.6, then the values of f_1 and f_2 are

Ans
✗ 1. 81, 25
✓ 2. 82, 24
✗ 3. 83, 23
✗ 4. 84, 22

Question Type :
Question ID :
Status :
Chosen Option :

Q.24 If $\vec{e}_1 = (1,1,1)$ and $\vec{e}_2 = (1,1,-1)$, and $\vec{a}$ and $\vec{b}$ are two vectors such that $\vec{e}_1 = 2\vec{a} + \vec{b}$ and $\vec{e}_2 = \vec{a} + 2\vec{b}$, then the angle between $\vec{a}$ and $\vec{b}$ is

Ans
✓ 1. $cos^{-1}\left(-\frac{7}{11}\right)$
✗ 2. $cos^{-1}\left(\frac{7}{11}\right)$
✗ 3. $cos^{-1}\left(\frac{7}{9}\right)$
✗ 4. $cos^{-1}\left(\frac{6\sqrt{2}}{11}\right)$

Question Type :
Question ID :
Status :
Chosen Option :

Q.25 If a number x is selected from natural numbers 1,2,...,100, then the probability for $x + \frac{100}{x} > 29$ is

Ans
✗ 1. $\frac{37}{50}$
✓ 2. $\frac{39}{50}$
✗ 3. $\frac{41}{50}$
✗ 4. $\frac{43}{50}$

Question Type :
Question ID :
Status :
Chosen Option :

Q.26 The function $f(x) = \frac{x}{1+x\tan x}$, $0 \le x \le \frac{\pi}{2}$ is maximum when

Ans
✗ 1. $x = \sec x$
✗ 2. $x = \tan x$
✓ 3. $x = \cos x$
✗ 4. none of the above

Q.27 $If\ |k| = 5\ and\ 0^o \leq \theta \leq 360^o, then\ the\ number\ of\ different\ solutions\ of\ 3\cos\theta + 4\sin\theta = k\ is$

Ans
1. ✗ 0
2. ✗ 1
3. ✓ 2
4. ✗ Infinite

Question Type :
Question ID :
Status :
Chosen Option :

Q.28 There are 50 questions in a paper. Find the number of ways in which a student can attempt one or more questions:

Ans
1. ✓ $2^{50}-1$
2. ✗ $2^{50}+1$
3. ✗ $2^{50}-2$
4. ✗ $2^{50}+2$

Question Type :
Question ID :
Status :
Chosen Option :

Q.29 A polygon has 44 diagonals, the number of sides are

Ans
1. ✗ 9
2. ✗ 10
3. ✓ 11
4. ✗ 12

Question Type :
Question ID :
Status :
Chosen Option :

Q.30 $If\ \log(1 - x + x^2) = a_1x + a_2x^2 + a_3x^3 + \cdots..Then$

$a_3 + a_6 + a_9 + \ldots\ldots\ is\ equal\ to$

Ans
1. ✗ $\log 2$
2. ✓ $\frac{2}{3}\log 2$
3. ✗ $\frac{1}{3}\log 2$
4. ✗ $2\log 2$

Question Type :
Question ID :

Q.31 The probability that a man who is x years old will die in a year is p. Then, amongst n persons $A_1, A_2, \ldots\ldots, A_n$ each x years old now, the probability that A_1 will die in one year is

Ans

✗ 1. $\frac{1}{n^2}$

✗ 2. $1-(1-p)^n$

✗ 3. $\frac{1}{n^2}\left[1-(1-p)^n\right]$

✓ 4. $\frac{1}{n}\left[1-(1-p)^n\right]$

Question Type
Question ID
Status
Chosen Option

Q.32 In three throws of three dice, the probability of throwing triplets not more than twice is

Ans

✗ 1. $1-\frac{1}{6^2}$

✗ 2. $1-\frac{1}{6^3}$

✗ 3. $1-\frac{1}{36^2}$

✓ 4. $1-\frac{1}{36^3}$

Question Type
Question ID
Status
Chosen Option

Q.33 The locus of the point of intersection of tangents to the ellipse $\frac{x^2}{a^2}+\frac{y^2}{b^2}=1$ which meet at right angles is

Ans

✓ 1. a circle

✗ 2. a parabola

✗ 3. an ellipse

✗ 4. a hyperbola

Question Type
Question ID
Status
Chosen Option

Q.34 *If the position vector of A and B relative to O be* $\hat{i}-4\hat{j}+3\hat{k}$ *and* $-\hat{i}+2\hat{j}-\hat{k}$, *respectively, then the median through O of* ΔABC *is :*

Ans

✗ 1. $-2\hat{j}+2\hat{k}$

✓ 2. $-\hat{j}+\hat{k}$

✗ 3. $-\hat{i}-\hat{j}+\hat{k}$

✗ 4. $-\hat{i}-\hat{j}-\hat{k}$

Question Type
Question ID
Status
Chosen Option

Q.35 For what value of p, the polynomial $x^4-3x^3+2px^2-6$ is exactly divisible by $(x-1)$

Ans

✗ 1. 2

✓ 2. 4

✗ 3. 6

✗ 4. 8

Question Type
Question ID
Status
Chosen Option

Q.36 In $a\,\Delta ABC, if\ tan^2\frac{A}{2}+tan^2\frac{B}{2}+tan^2\frac{C}{2}=k$, then k is always

Ans
✗ 1. > 1
✓ 2. ≥ 1
✗ 3. = 2
✗ 4. = 1

Question Type :
Question ID :
Status :
Chosen Option :

Q.37 If the system of equations 3x – y + 4z =3, x + 2y – 3z = -2, 6x + 5y + λz = -3 has atleast one solution, then λ =

Ans
✓ 1. -5
✗ 2. 3
✗ 3. 5
✗ 4. 6

Question Type :
Question ID :
Status :
Chosen Option :

Q.38 If A = {1,2,3,4} and B = {3,4,5}, then the number of elements in $(A \cup B) \times (A \cap B) \times (A \Delta B)$ is

Ans
✗ 1. 18
✗ 2. 20
✗ 3. 24
✓ 4. 30

Question Type :
Question ID :
Status :
Chosen Option :

Q.39 *The ecentric angles of the extremities of latus – recta of the ellipse* $\frac{x^2}{a^2}+\frac{y^2}{b^2}=1$ *are given by*

Ans
✗ 1. $tan^{-1}\left(\pm\frac{ae}{b}\right)$
✗ 2. $tan^{-1}\left(\pm\frac{be}{a}\right)$
✓ 3. $tan^{-1}\left(\pm\frac{b}{ae}\right)$
✗ 4. $tan^{-1}\left(\pm\frac{a}{be}\right)$

Question Type :
Question ID :
Status :
Chosen Option :

Q.40 In a triangle, if the sum of two sides is x and their product is y such that (x+z)(x-z) = y, where z is the third side of the triangle, then the triangle is

Ans
✗ 1. Equilateral
✗ 2. Right angled
✗ 3. Isosceles
✓ 4. Obtuse angled

Q.41 $\int 3^{3^{3^x}} 3^{3^x} 3^x dx$ is equal to

Ans
✗ 1. $\frac{3^{3^x}3^x}{(log\,3)^3} + c$

✗ 2. $\frac{3^x}{(log\,3)^3} + c$

✗ 3. $\frac{3^{3^x}}{(log\,3)^3} + c$

✓ 4. $\frac{3^{3^{3^x}}}{(log\,3)^3} + c$

Question Type :
Question ID :
Status :
Chosen Option :

Q.42 The value of tan 9° – tan 27° – tan 63° + tan 81° is equal to

Ans
✗ 1. 5

✗ 2. 3

✓ 3. 4

✗ 4. 6

Question Type :
Question ID :
Status :
Chosen Option :

Q.43 Suppose that $A_1, A_2, ..., A_{30}$ are 30 sets each having 5 elements and $B_1, B_2, ..., B_n$ are n sets such that $\cup_{i=1}^{30} A_i = \cup_{j=1}^{n} B_j = S$. If each element of S belongs to exactly ten of the A_i's and exactly nine of the B_j's, then n =

Ans
✗ 1. 15

✓ 2. 45

✗ 3. 75

✗ 4. 90

Question Type :
Question ID :
Status :
Chosen Option :

Q.44 *If* $\frac{n!}{2!(n-2)!}$ *and* $\frac{n!}{4!(n-4)!}$ *are in the ratio* $2:1$, *then the value of* n *is*

Ans
✗ 1. 0

✗ 2. 2

✗ 3. 4

✓ 4. 5

Question Type :
Question ID :
Status :
Chosen Option :

Q.45 The lines px + qy = 1 and qx + py = 1 are respectively the sides AB, AC of the triangle ABC and the base BC is bisected at (p,q). Equation of the median of the triangle through the vertex A is

Ans
✗ 1. $(2pq - 1)(qx + py - 1) - (p^2 + q^2 - 1)(px + qy - 1) = 0$

✗ 2. $(2pq - 1)(px + qy - 1) + (p^2 + q^2 - 1)(qx + py - 1) = 0$

✓ 3. $(2pq - 1)(px + qy - 1) - (p^2 + q^2 - 1)(qx + py - 1) = 0$

✗ 4. $(2pq - 1)(qx + py - 1) + (p^2 + q^2 - 1)(px + qy - 1) = 0$

Q.46 If in a triangle ABC $a\cos^2\frac{C}{2}+c\cos^2\frac{A}{2}=\frac{3b}{2}$, then the sides of the triangle are in

Ans
✔ 1. A.P.
✘ 2. G.P.
✘ 3. H.P.
✘ 4. none of the above

Question Type :
Question ID :
Status :
Chosen Option :

Q.47 $\int e^x(\sinh x+\cosh x)dx=?$

Ans
✘ 1. $e^x\,sech\,x+C$
✔ 2. $e^x\cos h\,x+C$
✘ 3. $\sinh 2x+C$
✘ 4. $\cosh 2x+C$

Question Type :
Question ID :
Status :
Chosen Option :

Q.48 If $P(1,2),Q(4,6),R(5,7)$ and $S(a,b)$ are the vertices of a parallelogram PQRS, then

Ans
✔ 1. $a=2,b=3$
✘ 2. $a=3,b=4$
✘ 3. $a=2,b=4$
✘ 4. $a=3,b=5$

Question Type :
Question ID :
Status :
Chosen Option :

Q.49 If $32\tan^8\theta=2\cos^2\alpha-3\cos\alpha$ and $3\cos 2\theta=1$, then the general value of α for $n\in Z$ is

Ans
✘ 1. $n\pi\pm\frac{\pi}{3}$
✔ 2. $2n\pi\pm\frac{2\pi}{3}$
✘ 3. $2n\pi\pm\frac{\pi}{3}$
✘ 4. $n\pi\pm\frac{2\pi}{3}$

Question Type :
Question ID :
Status :
Chosen Option :

Q.50 The probability of occurrence of two events E and F are 0.25 and 0.50, respectively. The probability of their simultaneous occurrence is 0.14. The probability that neither E nor F occurs is

Ans
✘ 1. 0.61
✘ 2. 0.11
✔ 3. 0.39

Q.1 **Read the following information carefully and then answer the following question:**

i. P ψ Q means P is mother of Q
ii. P ∈ Q means P is sister of Q
iii. P $ Q means P is father of Q
iv. P # Q means P is brother of Q

Which of the following means R is brother of T?

Ans
✗ 1. R ψ S # U $ T
✓ 2. U ψ R # S # T
✗ 3. U ψ R ∈ S ψ T
✗ 4. T # S $ Q ∈ R

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Q.2 **Choose the pair that best represents a similar relationship to the one expressed in the original pair of words: WAITRESS : RESTAURANT**

Ans
✗ 1. doctor : diagnosis
✗ 2. actor : role
✗ 3. driver : truck
✓ 4. teacher : school

Question Ty
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Chosen Optic

Q.3 **Study the following table carefully and answer the following question.**

Subjects (Full Marks 50)	40 and above	30 and above	20 and above	10 and above	0 and above
Physics	9	32	80	92	100
Chemistry	4	21	66	81	100
Aggregate average	7	27	73	87	100

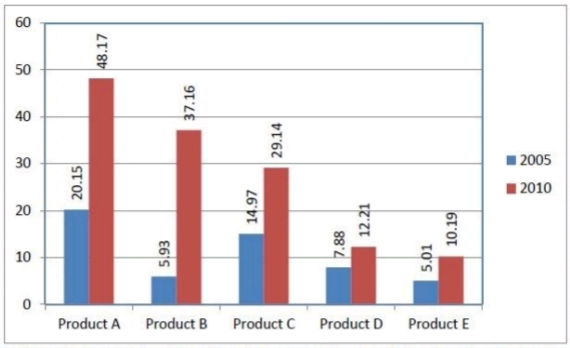
The number of students scoring less than 40% marks in aggregate is:

Ans
✗ 1. 13
✗ 2. 19
✗ 3. 20
✓ 4. 27

Question Ty
Question

Q.4 A Company produces five different products. The sales of these five products (in lakh number of packs) during 2005 and 2010 are shown in the following bar-graph. Question is based on this graph.

Sales (in lakh number of packs) of five different products of a Company during 2005-2010



The sales of Product A in 2010 was by what percent more than the sales of Product B in 2010? (rounded off to the nearest integer)

Ans
1. 33%
2. 31%
3. 28%
4. 22%

Question Type
Question ID
Status
Chosen Option

Q.5 In a certain code language, "do re me" means "he is late"; "fa me la" means "she is early" and "so ti do" means "he leaves soon". Which word in the language means 'late"?

Ans
1. la
2. do
3. me
4. re

Question Type
Question ID
Status
Chosen Option

Q.6 Find the matching term for Music : Guitar : Performer.

Ans
1. Dance : Tune : Instrument
2. Food : Recipe : Cook
3. Patient : Medicine : doctor
4. Trick : Rope : Acrobat

Question Type
Question ID
Status
Chosen Option

Q.7 Choose the word that is a necessary part of the underlined word: harvest

Ans
1. autumn
2. crop
3. stockpile
4. tractor

Question Type
Question ID
Status

Q.8 **Which word does NOT belong with the others?**

Ans
1. wing
2. fin
3. beak
4. rudder

Question
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Chosen C

Q.9 **If 9 x 3 + 8 = 24, 10 x 2 + 7 = 35 and 80 x 40 + 3 = 6, then find the value of 12 x 4 + 3 =?**

Ans
1. 7
2. 9
3. 12
4. 16

Question
Quest
S
Chosen C

Q.10 **Read the following information carefully and then answer the following question:**

i. P ψ Q means P is mother of Q
ii. P ∈ Q means P is sister of Q
iii. P $ Q means P is father of Q
iv. P # Q means P is brother of Q

Which of the following means N is definitely daughter of K?

Ans
1. K $ L # M # N
2. M ψ K $ N ∈ L
3. K ψ M # L∈N
4. L ψ K $ N # M

Question
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S
Chosen C

Q.11 **Insert the missing number 8, 7, 11, 12, 14, 17, 17, 22, ?**

Ans
1. 27
2. 20
3. 22
4. 24

Question
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Q.12 Read the information given below and answer the following question:

i. In a family of six persons A,B,C,D,E and F , there are two married couples.
ii. D is grandmother of A and mother of B.
iii. C is wife of B and mother of F.
iv. F is the granddaughter of E.

What is C to A?

Ans
✗ 1. Daughter
✗ 2. Grandmother
✓ 3. Mother
✗ 4. Cannot be determined

Question Type
Question ID
Status
Chosen Option

Q.13 In a class of 50 students, Raghu's rank is twice that of Paul. There are 10 students who have ranked worse than that of Raghu. Paul's rank in the class is:

Ans
✗ 1. 5th
✗ 2. 10th
✗ 3. 15th
✓ 4. 20th

Question Type
Question ID
Status
Chosen Option

Q.14 Study the following table carefully and answer the following question.

Subjects (Full Marks 50)	40 and above	30 and above	20 and above	10 and above	0 and above
Physics	9	32	80	92	100
Chemistry	4	21	66	81	100
Aggregate average	7	27	73	87	100

If it is known that at least 23 students were eligible for a Symposium on Chemistry, the minimum qualifying marks in Chemistry for eligibility to Symposium would lie in the range:

Ans
✗ 1. 30 - 40
✓ 2. 20 - 30
✗ 3. Below 20
✗ 4. Cannot be determined

Question Type
Question ID
Status
Chosen Option

Q.15 Insert the missing number: 16, 33, 65, 131, 261, ?

Ans
✓ 1. 523
✗ 2. 521
✗ 3. 613
✗ 4. 721

Question Type

Q.16 Read the information given below and answer the following question:

i. In a family of six persons A,B,C, D,E and F , there are two married couples.
ii. D is grandmother of A and mother of B.
iii. C is wife of B and mother of F.
iv. F is the granddaughter of E.

How many male members are there in the family?

Ans
1. Three
2. Two
3. Cannot be determined
4. None of these

Question Type :
Question ID :
Status :
Chosen Option :

Q.17 Choose the word which has the same relationship among the given three words: Yellow, Blue, Red

Ans
1. Black
2. Orange
3. White
4. Paint

Question Type :
Question ID :
Status :
Chosen Option :

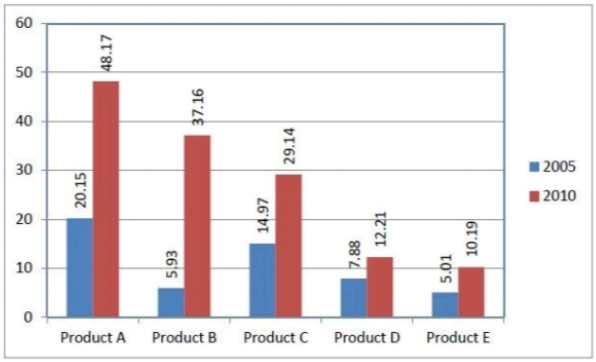
Q.18 Radha is twice as old as Rita was 2 years ago. If difference between their ages is 2 years, how old is Radha today?

Ans
1. 6
2. 8
3. 10
4. 12

Question Type :
Question ID :
Status :
Chosen Option :

Q.19 A Company produces five different products. The sales of these five products (in lakh number of packs) during 2005 and 2010 are shown in the following bar-graph. Question is based on this graph.

Sales (in lakh number of packs) of five different products of a Company during 2005-2010



During the period 2005-2010, the minimum rate of increase in sales is in the case of:

Ans
1. Product A
2. Product B
3. Product D
4. Product E

Question Type :
Question ID :
Status :
Chosen Option :

Q.20 How many times in a day are the hands of a clock pointing opposite to each other?

Ans
1. 4
2. 20
3. 22
4. 24

Question Type :
Question ID :
Status :
Chosen Option :

Q.21 In this series, looking at the letter pattern fill the blank in the middle of the series:
ELFA, GLHA, ILJA, _____, MLNA

Ans
1. OLPA
2. KLMA
3. LLMA
4. KLLA

Question Type :
Question ID :
Status :
Chosen Option :

Q.22 COUNSEL is to BITIRAK, so also GUIDANCE is to ___?

Ans
1. EOHYZKBB
2. FOHYZJBB
3. FPHZZKAB
4. HOHYBJBA

Question Typ
Question I
Statu
Chosen Optio

Q.23 Find the missing term 7 : 56 : : 9 : ?

Ans
1. 63
2. 81
3. 90
4. 99

Question Typ
Question I
Statu
Chosen Optio

Q.24 Choose the missing term out of the given alternatives: Q1F , S2E , U6D , W21C , ?

Ans
1. Y66B
2. Y44B
3. Y88B
4. Z88B

Question Typ
Question I
Statu
Chosen Optio

Q.25 Choose the odd one:

Ans
1. Zebra
2. Hyena
3. Rhinoceros
4. Giraffe

Question Typ
Question I
Statu
Chosen Optio

Q.26 Choose the missing term: BYCX : DWEV : : FUGT : ?

Ans
✗ 1. EHIJ
✗ 2. GHIJ
✓ 3. HSIR
✗ 4. SRHS

Question
Questi
S
Chosen O

Q.27 Choose the correct option for the remainder when X = 1! + 2! + 3! + ...+ 100! is divided by 24

Ans
✓ 1. 9
✗ 2. 11
✗ 3. 152
✗ 4. 13

Question
Questi
S
Chosen O

Q.28 If 'A3T15R' stands for 'ACTOR' and 'D1T5' stands for DATE, how will you code 'ROTATE'

Ans
✗ 1. R16T1T5
✓ 2. R15T1T5
✗ 3. R15T1T16
✗ 4. R15C1&7

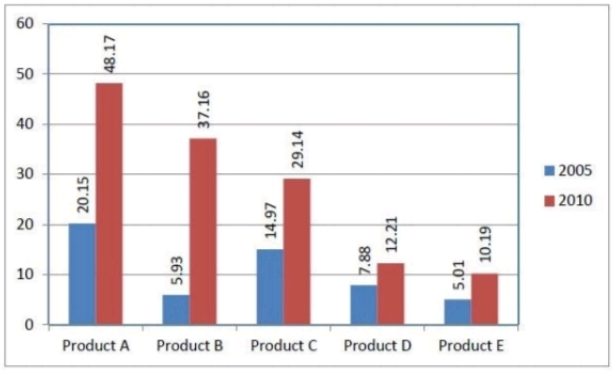
Question
Questi
S
Chosen O

Q.29 There are six members in a family. A is the father of D, E is the grandfather of D. B is the daughter-in-law of C. F is the uncle of D. What is the relationship of C with F?

Ans
✗ 1. Sister
✗ 2. Mother-in-law
✗ 3. Nephew
✓ 4. Data inadequate

Q.30 A Company produces five different products. The sales of these five products (in lakh number of packs) during 2005 and 2010 are shown in the following bar-graph. Question is based on this graph.

Sales (in lakh number of packs) of five different products of a Company during 2005-2010



The sales have increased by nearly 55% from 2005 to 2010 in case of:

Ans
1. Product A
2. Product B
3. Product C
4. Product D ✔

Question Typ
Question I
Statu
Chosen Optic

Q.31 Study the following table carefully and answer the following question.

Subjects (Full Marks 50)	40 and above	30 and above	20 and above	10 and above	0 and above
Physics	9	32	80	92	100
Chemistry	4	21	66	81	100
Aggregate average	7	27	73	87	100

What is the difference between the number of students passed with 30 as cut-off marks in Chemistry and those passed with 30 as cut-off marks in aggregate?

Ans
1. 3
2. 4
3. 5
4. 6 ✔

Question Typ
Question I
Statu
Chosen Optic

Q.32 Read the following information carefully and then answer the following question:

i. P ψ Q means P is mother of Q
ii. P ∈ Q means P is sister of Q
iii. P $ Q means P is father of Q
iv. P # Q means P is brother of Q

If K ψ L ∈ M # N, then how K is related with N?

Ans
1. Mother ✔
2. Aunt
3. Great Aunt
4. Grandmother

Q.33 Study the following table carefully and answer the following question.

Subjects (Full Marks 50)	40 and above	30 and above	20 and above	10 and above	0 and above
Physics	9	32	80	92	100
Chemistry	4	21	66	81	100
Aggregate average	7	27	73	87	100

If at least 60% marks in Physics are required for pursuing higher studies in Physics, how many students will be eligible to pursue higher studies in Physics?

Ans
1. 27
2. 32
3. 34
4. 41

Question Typ
Question I
Statu
Chosen Optic

Q.34 Read the information given below and answer the following question:

i. In a family of six persons A,B,C,D,E and F , there are two married couples.
ii. D is grandmother of A and mother of B.
iii. C is wife of B and mother of F.
iv. F is the granddaughter of E.

Which of the following is true?

Ans
1. A is brother of F.
2. A is sister of F.
3. D has two grandsons.
4. None of these

Question Typ
Question I
Statu
Chosen Optic

Q.35 If it is Saturday on January 1, 2000, then January 1, 2001 would have been

Ans
1. Monday
2. Sunday
3. Tuesday
4. Friday

Q.36 Choose the pair of number that comes next: 1 10 7 20 13 30 19

Ans
1. 25 22 ✗
2. 26 24 ✗
3. 26 23 ✓
4. 25 23 ✗

Question Type :
Question ID :
Status :
Chosen Option :

Q.37 Choose the number pair or group that is different from others?

Ans
1. 15:46 ✗
2. 12:37 ✗
3. 9:28 ✗
4. 8:33 ✓

Question Type :
Question ID :
Status :
Chosen Option :

Q.38 Read the information given below and answer the following question:

i. In a family of six persons A,B,C,D,E and F , there are two married couples.
ii. D is grandmother of A and mother of B.
iii. C is wife of B and mother of F.
iv. F is the granddaughter of E.

Who among the following is one of the couples?

Ans
1. CD ✗
2. DE ✓
3. EB ✗
4. None of these ✗

Question Type :
Question ID :
Status :
Chosen Option :

Q.39 If Z = 52 and ACT = 48, then BAT will be equal to

Ans
1. 46 ✓
2. 39 ✗
3. 44 ✗
4. 41 ✗

Q.40 Choose the pair that best represents a similar relationship to the one expressed in the original pair of words: PULSATE : THROB

Ans
1. walk : run ✗
2. tired : sleep ✗
3. examine : scrutinize ✓
4. ballet : dancer ✗

Question Type
Question ID
Status
Chosen Option

Section : COMPUTER AWARENESS

Q.1 One TeraByte (TB)= _____GB and One ExaByte (EB) = _____ GB

Ans
1. 2^{10}GB, 2^{16}GB ✗
2. 2^{10}GB, 2^{20}GB ✗
3. 2^{10}GB, 2^{24}GB ✗
4. 2^{10}GB, 2^{30}GB ✓

Question Type
Question ID
Status
Chosen Option

Q.2 To access the I/O devices the status flags is continuously checked in

Ans
1. Program controlled I/O ✓
2. Memory mapped I/O ✗
3. I/O mapped ✗
4. None of the above ✗

Question Type
Question ID
Status
Chosen Option

Q.3 To fetch data from the secondary memory which one of the following register is used

Ans
1. MAR ✓
2. PC ✗
3. IR ✗
4. MBR ✗

Question Type

Q.4 **The binary multiplication 00*11 will give**

Ans
1. **11**
2. **00** ✔
3. **01**
4. **10**

Question Type :
Question ID :
Status :
Chosen Option :

Q.5 **The number $(2217)_8$ is equivalent to**

Ans
1. $(608)_{16}$
2. $(028F)_{16}$
3. $(048F)_{16}$ ✔
4. $(2297)_{10}$

Question Type :
Question ID :
Status :
Chosen Option :

Q.6 **Consider a computer system with speed of 10^6 instructions per second. A program P, having $2n^2$steps is run on this system, where n is the input size. If n=10000, what is the execution time for P ?**

Ans
1. **2 seconds**
2. **20 seconds**
3. **100 seconds**
4. **200 seconds** ✔

Question Type :
Question ID :
Status :
Chosen Option :

Q.7 **The Cache Memory is more effective because of**

Ans
1. **Memory localization**
2. **Locality of reference** ✔
3. **Memory size**
4. **None of the mentioned**

Q.8 Which of the following is used by ALU to store the intermediate results?

Ans
1. Stack
2. Heap
3. Registers
4. Accumulators

Question Type
Question ID
Status
Chosen Option

Q.9 The process when processor fetch or decode another instruction during the execution of current instruction is called

Ans
1. Supercomputing
2. Pipelining
3. Cloud computing
4. Grid computing

Question Type
Question ID
Status
Chosen Option

Q.10 Which of the following is the fastest means of memory access for CPU?

Ans
1. Registers
2. Cache
3. Main memory
4. Stack

Question Type
Question ID
Status
Chosen Option

Section : GENERAL ENGLISH

Q.1 Write one word for the following:
An uncivilized/primitive person.

Ans
1. barbarian
2. ascetic
3. bourgeois
4. altruist

Question Type

Q.2 Read the following passage carefully and answer the question that follow:

It is said with truth that the function of a university is to prepare the young to take their place in human society. It must provide its members with the knowledge and skill necessary to make them efficient citizens. But is the whole duty of man exhausted by the acquisition of knowledge and professional training? Is a university only an institution for higher learning, a factory which churns out clerks and technicians able to run the machinery of the State? Mere knowledge which gratifies curiosity is different from culture which refines personality. Culture is not remembering a mass of serious details about the dates of birth of the great heroes of the world or the interesting names of the fastest ships which cross the Atlantic or entertaining odds and ends gathered from the latest who's who. A well-known institution of this country has for its motto ***sa vidya yavimuchyate***: that is, knowledge which is designed for salvation, for the development of the soul, is the best. Such an idea is not merely an Indian idiosyncrasy. Plato said long ago that the culture of soul is "the first and fairest thing that the best of men can ever have. According to Goethe, the object of education is to form tastes and not simply to communicate knowledge. A man's culture is not judged by the amount of tabulated information which he has at his command, but by the quality of mind which he brings to bear on the facts of life. Education is not cramming the mind with a host of technical details, putting sight, as it were, into blind eyes. The eye of the soul is never blind, only its gaze may be turned to the false and the fleeting. Too often the vision may be dragged downwards by the "leaden weights" of pride and prejudice, of passion and desire. The function of the teacher is not to add to the "leaden weights" but remove them and liberate the soul from the encumbrance so that it may follow its native impulse to soar upwards. The student at a university does not merely learn something, but becomes something by being exposed, in the most elastic period of his life, to transforming influences, such as the constant clash of mind with mind, the interchange of ideas, the testing of opinions, and the growth of knowledge of human nature.

What is a man's culture judged by?

Ans

✔ 1. By the quality of mind which he brings to bear on the facts of life.

✘ 2. By man's social skill.

✘ 3. By the variety of books he reads.

✘ 4. By money and influence.

Question Type :
Question ID :
Status :
Chosen Option :

Q.3 Read the following passage carefully and answer the question that follow:

It is said with truth that the function of a university is to prepare the young to take their place in human society. It must provide its members with the knowledge and skill necessary to make them efficient citizens. But is the whole duty of man exhausted by the acquisition of knowledge and professional training? Is a university only an institution for higher learning, a factory which churns out clerks and technicians able to run the machinery of the State? Mere knowledge which gratifies curiosity is different from culture which refines personality. Culture is not remembering a mass of serious details about the dates of birth of the great heroes of the world or the interesting names of the fastest ships which cross the Atlantic or entertaining odds and ends gathered from the latest who's who. A well-known institution of this country has for its motto ***sa vidya yavimuchyate***: that is, knowledge which is designed for salvation, for the development of the soul, is the best. Such an idea is not merely an Indian idiosyncrasy. Plato said long ago that the culture of soul is "the first and fairest thing that the best of men can ever have". According to Goethe, the object of education is to form tastes and not simply to communicate knowledge. A man's culture is not judged by the amount of tabulated information which he has at his command, but by the quality of mind which he brings to bear on the facts of life. Education is not cramming the mind with a host of technical details, putting sight, as it were, into blind eyes. The eye of the soul is never blind, only its gaze may be turned to the false and the fleeting. Too often the vision may be dragged downwards by the "leaden weights" of pride and prejudice, of passion and desire. The function of the teacher is not to add to the "leaden weights" but remove them and liberate the soul from the encumbrance so that it may follow its native impulse to soar upwards. The student at a university does not merely learn something, but becomes something by being exposed, in the most elastic period of his life, to transforming influences, such as the constant clash of mind with mind, the interchange of ideas, the testing of opinions, and the growth of knowledge of human nature.

The function of university is:

Ans

✘ 1. To enable the young to gather facts about the world.

✘ 2. To learn to do his job.

✔ 3. To prepare the young to take their place in society.

✘ 4. To enable them to learn to talk with others.

Q.4 **Write one word for the following:**
One who does not save for future.

Ans
1. incorporeal ✗
2. inedible ✗
3. improvident ✓
4. implacable ✗

Question Type
Question ID
Status
Chosen Option

Q.5 **Fill in the blank with the most appropriate word given:**
The State Transportation Corporation has_____ a loss of 5 crore INR this year.

Ans
1. derived ✗
2. incurred ✓
3. performed ✗
4. formulated ✗

Question Type
Question ID
Status
Chosen Option

Q.6 **Fill in the blank with the most appropriate word:**
The car driver was arrested for rash driving and his license was _____ by the police.

Ans
1. impounded ✓
2. flown ✗
3. penalized ✗
4. banned ✗

Question Type
Question ID
Status
Chosen Option

Q.7 **Fill in the blank with the most appropriate word given:**
I cannot _____ it to you right now; tomorrow we will discuss about it.

Ans
1. demand ✗
2. disturb ✗
3. explain ✓
4. expect ✗

Q.8 Read the following passage carefully and answer the question that follow:

It is said with truth that the function of a university is to prepare the young to take their place in human society. It must provide its members with the knowledge and skill necessary to make them efficient citizens. But is the whole duty of man exhausted by the acquisition of knowledge and professional training? Is a university only an institution for higher learning, a factory which churns out clerks and technicians able to run the machinery of the State? Mere knowledge which gratifies curiosity is different from culture which refines personality. Culture is not remembering a mass of serious details about the dates of birth of the great heroes of the world or the interesting names of the fastest ships which cross the Atlantic or entertaining odds and ends gathered from the latest who's who. A well-known institution of this country has for its motto ***sa vidya yavimuchyate***: that is, knowledge which is designed for salvation, for the development of the soul, is the best. Such an idea is not merely an Indian idiosyncrasy. Plato said long ago that the culture of soul is "the first and fairest thing that the best of men can ever have. According to Goethe, the object of education is to form tastes and not simply to communicate knowledge. A man's culture is not judged by the amount of tabulated information which he has at his command, but by the quality of mind which he brings to bear on the facts of life. Education is not cramming the mind with a host of technical details, putting sight, as it were, into blind eyes. The eye of the soul is never blind, only its gaze may be turned to the false and the fleeting. Too often the vision may be dragged downwards by the "leaden weights" of pride and prejudice, of passion and desire. The function of the teacher is not to add to the "leaden weights" but remove them and liberate the soul from the encumbrance so that it may follow its native impulse to soar upwards. The student at a university does not merely learn something, but becomes something by being exposed, in the most elastic period of his life, to transforming influences, such as the constant clash of mind with mind, the interchange of ideas, the testing of opinions, and the growth of knowledge of human nature.

Mere Knowledge and culture may be distinguished from each other in that:

Ans

✗ 1. **The former widens the mental horizon, the latter enlarges the heart.**

✓ 2. **The former gratifies curiosity, the latter refines personality.**

✗ 3. **The former is concerned with facts, the latter with fiction.**

✗ 4. **The former adds to power, the latter adds to prestige.**

Question Type
Question ID
Status
Chosen Option

Q.9 Read the following passage carefully and answer the question that follow:

It is said with truth that the function of a university is to prepare the young to take their place in human society. It must provide its members with the knowledge and skill necessary to make them efficient citizens. But is the whole duty of man exhausted by the acquisition of knowledge and professional training? Is a university only an institution for higher learning, a factory which churns out clerks and technicians able to run the machinery of the State? Mere knowledge which gratifies curiosity is different from culture which refines personality. Culture is not remembering a mass of serious details about the dates of birth of the great heroes of the world or the interesting names of the fastest ships which cross the Atlantic or entertaining odds and ends gathered from the latest who's who. A well-known institution of this country has for its motto ***sa vidya yavimuchyate***: that is, knowledge which is designed for salvation, for the development of the soul, is the best. Such an idea is not merely an Indian idiosyncrasy. Plato said long ago that the culture of soul is "the first and fairest thing that the best of men can ever have. According to Goethe, the object of education is to form tastes and not simply to communicate knowledge. A man's culture is not judged by the amount of tabulated information which he has at his command, but by the quality of mind which he brings to bear on the facts of life. Education is not cramming the mind with a host of technical details, putting sight, as it were, into blind eyes. The eye of the soul is never blind, only its gaze may be turned to the false and the fleeting. Too often the vision may be dragged downwards by the "leaden weights" of pride and prejudice, of passion and desire. The function of the teacher is not to add to the "leaden weights" but remove them and liberate the soul from the encumbrance so that it may follow its native impulse to soar upwards. The student at a university does not merely learn something, but becomes something by being exposed, in the most elastic period of his life, to transforming influences, such as the constant clash of mind with mind, the interchange of ideas, the testing of opinions, and the growth of knowledge of human nature.

What is meant by "leaden weights"?

Ans

✗ 1. **Weights made of leaden**

✗ 2. **Cold scientific knowledge**

✓ 3. **Hindering factors, of pride and prejudice, passion and desire, in the liberation of the soul**

✗ 4. **Social and family responsibilities**

Question Type

Q.10 Fill in the blank with the most appropriate word:

The _____ with which he is able to wield the paint-brush is really remarkable.

Ans

✔ 1. ease

✘ 2. practice

✘ 3. sweep

✘ 4. gait

Question Type
Question ID
Status
Chosen Option

Q.11 Read the following passage carefully and answer the question that follow:

It is said with truth that the function of a university is to prepare the young to take their place in human society. It must provide its members with the knowledge and skill necessary to make them efficient citizens. But is the whole duty of man exhausted by the acquisition of knowledge and professional training? Is a university only an institution for higher learning, a factory which churns out clerks and technicians able to run the machinery of the State? Mere knowledge which gratifies curiosity is different from culture which refines personality. Culture is not remembering a mass of serious details about the dates of birth of the great heroes of the world or the interesting names of the fastest ships which cross the Atlantic or entertaining odds and ends gathered from the latest who's who. A well-known institution of this country has for its motto ***sa vidya yavimuchyate***: that is, knowledge which is designed for salvation, for the development of the soul, is the best. Such an idea is not merely an Indian idiosyncrasy. Plato said long ago that the culture of soul is "the first and fairest thing that the best of men can ever have. According to Goethe, the object of education is to form tastes and not simply to communicate knowledge. A man's culture is not judged by the amount of tabulated information which he has at his command, but by the quality of mind which he brings to bear on the facts of life. Education is not cramming the mind with a host of technical details, putting sight, as it were, into blind eyes. The eye of the soul is never blind, only its gaze may be turned to the false and the fleeting. Too often the vision may be dragged downwards by the "leaden weights" of pride and prejudice, of passion and desire. The function of the teacher is not to add to the "leaden weights" but remove them and liberate the soul from the encumbrance so that it may follow its native impulse to soar upwards. The student at a university does not merely learn something, but becomes something by being exposed, in the most elastic period of his life, to transforming influences, such as the constant clash of mind with mind, the interchange of ideas, the testing of opinions, and the growth of knowledge of human nature.

According to the passage, the function of the teacher is:

Ans

✔ 1. To remove leaden weights of pride and prejudice, passion, and desire to liberate the soul.

✘ 2. To instill facts into the minds of the students.

✘ 3. To teach humanity.

✘ 4. To foster brotherhood.

Question Type
Question ID
Status
Chosen Option

Q.12 Choose the most suitable synonym of the given word:

BLAND

Ans

✘ 1. pleasant

✘ 2. harsh

✘ 3. irritating

✔ 4. tasteless

Q.13 Read the following passage carefully and answer the question that follow:

It is said with truth that the function of a university is to prepare the young to take their place in human society. It must provide its members with the knowledge and skill necessary to make them efficient citizens. But is the whole duty of man exhausted by the acquisition of knowledge and professional training? Is a university only an institution for higher learning, a factory which churns out clerks and technicians able to run the machinery of the State? Mere knowledge which gratifies curiosity is different from culture which refines personality. Culture is not remembering a mass of serious details about the dates of birth of the great heroes of the world or the interesting names of the fastest ships which cross the Atlantic or entertaining odds and ends gathered from the latest who's who. A well-known institution of this country has for its motto ***sa vidya yavimuchyate***: that is, knowledge which is designed for salvation, for the development of the soul, is the best. Such an idea is not merely an Indian idiosyncrasy. Plato said long ago that the culture of soul is "the first and fairest thing that the best of men can ever have. According to Goethe, the object of education is to form tastes and not simply to communicate knowledge. A man's culture is not judged by the amount of tabulated information which he has at his command, but by the quality of mind which he brings to bear on the facts of life. Education is not cramming the mind with a host of technical details, putting sight, as it were, into blind eyes. The eye of the soul is never blind, only its gaze may be turned to the false and the fleeting. Too often the vision may be dragged downwards by the "leaden weights" of pride and prejudice, of passion and desire. The function of the teacher is not to add to the "leaden weights" but remove them and liberate the soul from the encumbrance so that it may follow its native impulse to soar upwards. The student at a university does not merely learn something, but becomes something by being exposed, in the most elastic period of his life, to transforming influences, such as the constant clash of mind with mind, the interchange of ideas, the testing of opinions, and the growth of knowledge of human nature.

What are the hindering factors in the liberation and development of the soul?

Ans

✗ 1. Power and wealth

✓ 2. Passion and desire, pride and prejudice

✗ 3. Money and influence

✗ 4. Greed and envy

Questio
Ques

Chosen

Q.14 Choose the most suitable antonym of the given word:
NEGLIGENCE

Ans

✗ 1. diligence

✓ 2. meticulousness

✗ 3. integrity

✗ 4. honesty

Q.15 Read the following passage carefully and answer the question that follow:

It is said with truth that the function of a university is to prepare the young to take their place in human society. It must provide its members with the knowledge and skill necessary to make them efficient citizens. But is the whole duty of man exhausted by the acquisition of knowledge and professional training? Is a university only an institution for higher learning, a factory which churns out clerks and technicians able to run the machinery of the State? Mere knowledge which gratifies curiosity is different from culture which refines personality. Culture is not remembering a mass of serious details about the dates of birth of the great heroes of the world or the interesting names of the fastest ships which cross the Atlantic or entertaining odds and ends gathered from the latest who's who. A well-known institution of this country has for its motto ***sa vidya yavimuchyate***: that is, knowledge which is designed for salvation, for the development of the soul, is the best. Such an idea is not merely an Indian idiosyncrasy. Plato said long ago that the culture of soul is "the first and fairest thing that the best of men can ever have. According to Goethe, the object of education is to form tastes and not simply to communicate knowledge. A man's culture is not judged by the amount of tabulated information which he has at his command, but by the quality of mind which he brings to bear on the facts of life. Education is not cramming the mind with a host of technical details, putting sight, as it were, into blind eyes. The eye of the soul is never blind, only its gaze may be turned to the false and the fleeting. Too often the vision may be dragged downwards by the "leaden weights" of pride and prejudice, of passion and desire. The function of the teacher is not to add to the "leaden weights" but remove them and liberate the soul from the encumbrance so that it may follow its native impulse to soar upwards. The student at a university does not merely learn something, but becomes something by being exposed, in the most elastic period of his life, to transforming influences, such as the constant clash of mind with mind, the interchange of ideas, the testing of opinions, and the growth of knowledge of human nature.

What is the object of education according to Goethe?

Ans

✗ 1. It teaches social manners.

✗ 2. It teaches courtesy.

✗ 3. It communicates knowledge.

✓ 4. It forms taste.

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Q.16 Choose the most suitable synonym of the given word:
SCINTILLATING

Ans

✗ 1. touching

✗ 2. nagging

✓ 3. glittering

✗ 4. warning

Questior

Q.17 **Fill in the blank with the most appropriate word given in the options:**

The child prefers rooms with_____ ceilings.

Ans

✗ 1. **tall**

✗ 2. **long**

✗ 3. **higher**

✓ 4. **high**

Question Type :
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Status :
Chosen Option :

Q.18 **Read the following passage carefully and answer the question that follow:**

It is said with truth that the function of a university is to prepare the young to take their place in human society. It must provide its members with the knowledge and skill necessary to make them efficient citizens. But is the whole duty of man exhausted by the acquisition of knowledge and professional training? Is a university only an institution for higher learning, a factory which churns out clerks and technicians able to run the machinery of the State? Mere knowledge which gratifies curiosity is different from culture which refines personality. Culture is not remembering a mass of serious details about the dates of birth of the great heroes of the world or the interesting names of the fastest ships which cross the Atlantic or entertaining odds and ends gathered from the latest who's who. A well-known institution of this country has for its motto ***sa vidya yavimuchyate***: that is, knowledge which is designed for salvation, for the development of the soul, is the best. Such an idea is not merely an Indian idiosyncrasy. Plato said long ago that the culture of soul is "the first and fairest thing that the best of men can ever have. According to Goethe, the object of education is to form tastes and not simply to communicate knowledge. A man's culture is not judged by the amount of tabulated information which he has at his command, but by the quality of mind which he brings to bear on the facts of life. Education is not cramming the mind with a host of technical details, putting sight, as it were, into blind eyes. The eye of the soul is never blind, only its gaze may be turned to the false and the fleeting. Too often the vision may be dragged downwards by the "leaden weights" of pride and prejudice, of passion and desire. The function of the teacher is not to add to the "leaden weights" but remove them and liberate the soul from the encumbrance so that it may follow its native impulse to soar upwards. The student at a university does not merely learn something, but becomes something by being exposed, in the most elastic period of his life, to transforming influences, such as the constant clash of mind with mind, the interchange of ideas, the testing of opinions, and the growth of knowledge of human nature.

What is the function of education according to the ancient Indian philosophers?

Ans

✗ 1. **Education is the development of mind.**

✓ 2. **Education brings about salvation and development of the soul.**

✗ 3. **Education is the cultivation of culture.**

✗ 4. **Education aims at the inculcation of generosity.**

Question Type :
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Q.19 **Choose the most suitable antonym of the given word:**
ERUDITE

Ans
1. scholarly
2. unfamiliar
3. illiterate
4. arrogant

Question Type
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Status
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Q.20 **Choose the most suitable synonym of the given word:**
RECUPERATE

Ans
1. recapture
2. reclaim
3. recover
4. recur

Question Type
Question ID
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Chosen Option