BHEL ET (Mechanical)

Previous Year Paper
24 Aug, 2023 Shift 1

BHEL Exam 23rd 24th Aug 2023

Participant ID	
Participant Name	
Test Center Name	
Test Date	24/08/2023
Test Time	9:00 AM - 11:30 AM
Subject	Engineer Trainee Mechanical

Section : **Question on Subject/Discipline**

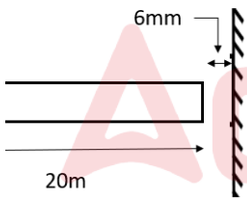
Q.1 m follows poisson's distribution with mean rate of 8 per hour and mean service time is 3 minutes, expected queue length?

Ans

1. 2
2. 3
3. 57
4. 7

Question ID : **630680308294**
Option 1 ID : **6306801199416**
Option 2 ID : **6306801199414**
Option 3 ID : **6306801199415**
Option 4 ID : **6306801199413**
Status : **Answered**
Chosen Option : **2**

Q.2 0 m long at a temperature of 20°C. What will be the temperature stress produced when the temperature d to 70°C? The rod is permitted to expand by 6 mm. [Coefficient of linear expansion = 12 x 10^{-6} per asticity = 2 x 10^5 N/mm^2]



Ans

1. /mm^2
2. N/mm^2
3. J/mm^2
4. N/mm^2

Question ID : **630680308233**
Option 1 ID : **6306801199172**
Option 2 ID : **6306801199170**
Option 3 ID : **6306801199169**
Option 4 ID : **6306801199171**
Status : **Answered**
Chosen Option : **4**

`the following is correct?

mount of energy which can be stored in a body up to elastic limit is known as proof resilience.

f energy a material can absorb before actual fracture takes place is called creep.

of material to absorb energy within the elastic limit is known as toughness.

progressive deformation of a material with time at constant stress is called fatigue.

Question ID : **630680308275**
Option 1 ID : **6306801199340**
Option 2 ID : **6306801199338**
Option 3 ID : **6306801199339**
Option 4 ID : **6306801199337**
Status : **Answered**
Chosen Option : **1**

eives heat from a source of 1200 K at a rate of 400 kW and rejects the waste heat to a medium at 300
put of the heat engine is 160 kW. What will be the irreversibility rate for this process?

kW

kW

kW

kW

Question ID : **630680308269**
Option 1 ID : **6306801199313**
Option 2 ID : **6306801199314**
Option 3 ID : **6306801199315**
Option 4 ID : **6306801199316**
Status : **Answered**
Chosen Option : **3**

is stored in a rigid closed tank of volume V at absolute temperature of T_0 and pressure P. Ignoring
on and gravity, what will be the specific exergy (availability per unit mass) of air? [Given:
›solute temperature is T_0 ; Environmental pressure is P_0 ; Gas constant is R.]

$\left[1-\frac{P}{P_0}+\ln\frac{P}{P_0}\right]$

$\left[\frac{P_0}{P}+\ln\frac{P}{P_0}\right]$

$\left[\frac{P_0}{P}-1+\ln\frac{P}{P_0}\right]$

$\left[\ln\frac{P}{P_0}\right]$

Question ID : **630680308270**
Option 1 ID : **6306801199320**
Option 2 ID : **6306801199319**
Option 3 ID : **6306801199317**

of weight 40 N rests on a rough horizontal plane having a coefficient of friction 0.3. The block is struck ing horizontally with a velocity of 810 m/s and weighing 0.5 N. What will be the distance travelled by initial position if the bullet embedded in the block after strike? (assume, g = 10 m/ s^2)

'2 m

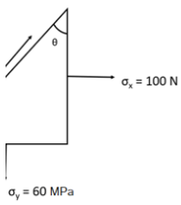
' m

3 m

57 m

Question ID : **630680308230**
Option 1 ID : **6306801199160**
Option 2 ID : **6306801199157**
Option 3 ID : **6306801199158**
Option 4 ID : **6306801199159**
Status : **Not Answered**
Chosen Option : **--**

al is subjected to two perpendicular tensile stresses ($\sigma_x = 100\,MPa$ and $\sigma_y = 60\,MPa$). What will of the plane on which the resultant stress (R) has maximum obliquity (φ) with the normal?



$\tan^{-1}\sqrt{\frac{3}{5}}$

$\tan^{-1}\frac{3}{5}$

$\tan^{-1}\frac{5}{3}$

: $\tan^{-1}\sqrt{\frac{5}{3}}$

Question ID : **630680308239**
Option 1 ID : **6306801199194**
Option 2 ID : **6306801199196**
Option 3 ID : **6306801199195**
Option 4 ID : **6306801199193**
Status : **Answered**
Chosen Option : **2**

efers to:

hanical-electrical micro systems

i electro and micro systems

i electro mechanical systems

ro electro mechanical systems

Question ID : **630680308306**
Option 1 ID : **6306801199464**
Option 2 ID : **6306801199461**
Option 3 ID : **6306801199462**
Option 4 ID : **6306801199463**
Status : **Answered**
Chosen Option : **3**

owing statement is incorrect in case of assumption made while deriving LMTD (Logarithmic Mean erence) expression?

overall heat transfer coefficient (U) is constant.

o change of phase of the fluid during heat transfer.

specific heats of both fluids are constant.

flow conditions are unsteady.

Question ID : **630680308322**
Option 1 ID : **6306801199525**
Option 2 ID : **6306801199528**
Option 3 ID : **6306801199527**
Option 4 ID : **6306801199526**
Status : **Answered**
Chosen Option : **4**

3 kg strikes at velocity of 5 m/s to another sphere of mass 2 kg, which is at rest. What would be their , if they move together after collision?

/s

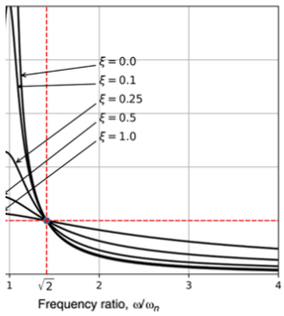
/s

/s

n/s

Question ID : **630680308321**
Option 1 ID : **6306801199522**
Option 2 ID : **6306801199521**
Option 3 ID : **6306801199523**
Option 4 ID : **6306801199524**
Status : **Answered**
Chosen Option : **2**

ersus frequency ratio curve for various values of damping factor (ξ) is shown in figure. Which of y
orrect?



of damping factor (ξ), transmitted force is always greater than the exciting force when frequency
an $\sqrt{2}$.

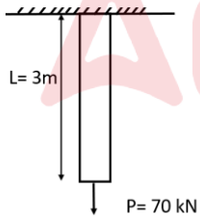
of damping factor (ξ), transmitted force is always less than the exciting force when frequency ratio is

of damping factor (ξ) transmitted force is always equal to the exciting force when frequency ratio is

of damping factor (ξ), transmitted force is always less than the exciting force when frequency ratio
i.

Question ID : **630680308252**
Option 1 ID : **6306801199245**
Option 2 ID : **6306801199247**
Option 3 ID : **6306801199248**
Option 4 ID : **6306801199246**
Status : **Answered**
Chosen Option : **4**

f circular cross-section [Area of cross-section = 700 mm^2, length = 3 m] is loaded by a tensile force of
. What will be the change in the volume of the bar? [Poisson's ratio = $\frac{1}{3}$, Modulus of elasticity = 70



ease of 10000 mm^3
rease of 1000 mm^3
ease of 1000 mm^3
ease of 100 mm^3

Question ID : **630680308237**
Option 1 ID : **6306801199188**
Option 2 ID : **6306801199187**
Option 3 ID : **6306801199186**

earing at the load of 45 kN is 6400 hours. What will be its life if the load is increased to 60 kN? conditions remain same.

0 hours

0 hours

0 hours

0 hours

Question ID : **630680308260**
Option 1 ID : **6306801199279**
Option 2 ID : **6306801199277**
Option 3 ID : **6306801199280**
Option 4 ID : **6306801199278**
Status : **Answered**
Chosen Option : **4**

ixed at both ends. The relation between equivalent length (l_e) and actual length (l) as per Euler's

$= l$

$= l/2$

$= l/\sqrt{2}$

$2l$

Question ID : **630680308312**
Option 1 ID : **6306801199485**
Option 2 ID : **6306801199487**
Option 3 ID : **6306801199488**
Option 4 ID : **6306801199486**
Status : **Answered**
Chosen Option : **2**

the following is correct?

alent bond is a secondary bond.

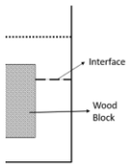
rogen bond is a primary bond.

c bond is a secondary bond.

allic bond is a primary bond.

Question ID : **630680308277**
Option 1 ID : **6306801199346**
Option 2 ID : **6306801199348**
Option 3 ID : **6306801199345**
Option 4 ID : **6306801199347**
Status : **Answered**
Chosen Option : **1**

specific gravity = 0.96) is floating at the interface between a layer of gasoline and a layer of water as
Vhat fraction of the wood block is below the interface if specific gravity of gasoline is 0.74 and that of



Question ID : **630680308262**
Option 1 ID : **6306801199285**
Option 2 ID : **6306801199288**
Option 3 ID : **6306801199286**
Option 4 ID : **6306801199287**
Status : **Not Answered**
Chosen Option : **--**

is given optimistic (t_O), pessimistic (t_P) & likely time (t_L) estimates. Assuming the ß distribution for
pected time (t_E) for completing this activity is expressed as

= $(t_O + 4\ t_L + t_P) / 6$

= $(t_O - 4\ t_L + t_P) / 6$

= $(t_O + 6\ t_L + t_P) / 4$

= $(t_O - 6\ t_L + t_P) / 4$

Question ID : **630680308339**
Option 1 ID : **6306801199596**
Option 2 ID : **6306801199594**
Option 3 ID : **6306801199593**
Option 4 ID : **6306801199595**
Status : **Answered**
Chosen Option : **1**

of the stress-strain curve in the elastic region is called as:

d strength

son's ratio

entage elongation

dulus of elasticity

Question ID : **630680308337**
Option 1 ID : **6306801199586**
Option 2 ID : **6306801199585**
Option 3 ID : **6306801199587**
Option 4 ID : **6306801199588**
Status : **Answered**
Chosen Option : **4**

number is given by: [Where, P = Applied load (in kg), D = Diameter of spherical ball (in mm),

f impression (in mm)]

$\frac{P}{D-\sqrt{D^2-d^2}]}$

$\frac{2P}{-\sqrt{D^2-d^2}]}$

$\frac{2P}{\sqrt{D^2-d^2}]}$

$\frac{2P}{[D-\sqrt{D^2-d^2}]}$

Question ID : **630680308235**
Option 1 ID : **6306801199178**
Option 2 ID : **6306801199177**
Option 3 ID : **6306801199179**
Option 4 ID : **6306801199180**
Status : **Answered**
Chosen Option : **4**

llowing is correct for gear? [where, a = Circular pitch, b = Diametral pitch, c = Module]

=1

1

c

b

Question ID : **630680308242**
Option 1 ID : **6306801199208**
Option 2 ID : **6306801199205**
Option 3 ID : **6306801199206**
Option 4 ID : **6306801199207**
Status : **Answered**

g about its axis with angular acceleration at time 't' given by $\alpha = 6t^2 + 2$, where α is in rad/s^2 and t is
t = 0, the position is taken as zero and then its angular velocity is 5 rad/s. What would be angular
?

) rad/s

5 rad/s

5 rad/s

) rad/s

Question ID : **630680308320**
Option 1 ID : **6306801199518**
Option 2 ID : **6306801199519**
Option 3 ID : **6306801199517**
Option 4 ID : **6306801199520**
Status : **Answered**
Chosen Option : **2**

duct during the last four years were 840, 860, 850, 870 units. The forecast for the fourth year was 855.
the fifth year, using simple exponential smoothening, is equal to the forecast using the three period
what will be the value of exponential smoothening constant?

Question ID : **630680308291**
Option 1 ID : **6306801199402**
Option 2 ID : **6306801199404**
Option 3 ID : **6306801199401**
Option 4 ID : **6306801199403**
Status : **Not Answered**
Chosen Option : **--**

t having a mass of 44 kg is to be supported on 3 springs (of same stiffness = k). If the unit operates at
ll be the stiffness (=k) if only 10% of the shaking force is allowed to be transmitted to the supporting
e, $\pi^2 = 10$]

/mm

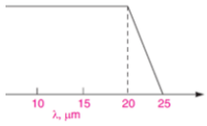
mm

/mm

/mm

Question ID : **630680308251**
Option 1 ID : **6306801199242**
Option 2 ID : **6306801199241**
Option 3 ID : **6306801199243**
Option 4 ID : **6306801199244**

ibution of surface irradiation (G) is shown in figure. What will be the total irradiation of the surface?



)00 W/m^2

)00 W/m^2

)00 W/m^2

) W/m^2

Question ID : **630680308266**
Option 1 ID : **6306801199303**
Option 2 ID : **6306801199304**
Option 3 ID : **6306801199302**
Option 4 ID : **6306801199301**
Status : **Answered**
Chosen Option : **3**

`the following is true for soldering?

d solder is an alloy of tin, Iron and Carbon.

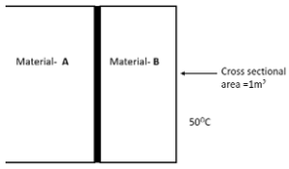
)se of using the flux is to lower the melting point of solder.

solder is an alloy of zinc and copper.

t solder is an alloy of tin and lead.

Question ID : **630680308287**
Option 1 ID : **6306801199386**
Option 2 ID : **6306801199387**
Option 3 ID : **6306801199385**
Option 4 ID : **6306801199388**
Status : **Answered**
Chosen Option : **4**

e wall (see figure) (cross-sectional area = 1 m^2) is made up of two layers. One layer is made of
m thick, thermal conductivity = 50 W/m-K) and another layer is made of material B (10 mm thick,
ity = 2 W/m-K). The thermal contact resistance at the interface is 0.003 m^2 K/W. The temperature of
vall A is 300°C and that of open side of wall B is 50°C. What will be the rate of heat flow through



W
W
W
kW

Question ID : **630680308264**
Option 1 ID : **6306801199295**
Option 2 ID : **6306801199296**
Option 3 ID : **6306801199293**
Option 4 ID : **6306801199294**
Status : **Not Answered**
Chosen Option : --

f 100 mm side undergoes volumetric solidification shrinkage and volumetric solid contraction of 5%
sed. Assume uniform cooling in all direction. What will be the side of the cube after solidification and
me, $(0.95)^{1/3} = 0.983, (0.95)^{2/3} = 0.9663$]

cm
53 cm
3 cm
cm

Question ID : **630680308282**
Option 1 ID : **6306801199367**
Option 2 ID : **6306801199365**
Option 3 ID : **6306801199366**
Option 4 ID : **6306801199368**
Status : **Not Answered**
Chosen Option : --

process, a sprue of 10 mm base diameter and 200 mm height leads to a runner which fills a cubical
side. What will be the volume flow rate of metal? [Acceleration due to gravity = 10 m/s^2, $\pi = 3.14$]

mm^3/s
$0\ mm^3/s$
$00\ mm^3/s$
$000\ mm^3/s$

Question ID : **630680308281**
Option 1 ID : **6306801199361**
Option 2 ID : **6306801199362**

ses at a point in an elastic material are $2x$ (tensile), x (tensile) and $\frac{x}{2}$ (compressive). What will be the aterial fails according to shear strain energy theory [Mises and Henkey's theory]? The elastic limit in 200 N/mm^2.

N/mm^2

N/mm^2

N/mm^2

N/mm^2

Question ID : **630680308253**
Option 1 ID : **6306801199250**
Option 2 ID : **6306801199251**
Option 3 ID : **6306801199252**
Option 4 ID : **6306801199249**
Status : **Not Answered**
Chosen Option : **--**

moves with simple harmonic motion, it maximum acceleration during outstroke will be: (where S- wer, θ_o- angular displacement of the cam during outstroke of the follower, ω- angular velocity of the

$\frac{2\omega^2 S}{(\theta_o)^2}$

$\frac{2\omega^2 S^2}{(\theta_o)^2}$

$\frac{\omega^2 S}{(\theta_o)^2}$

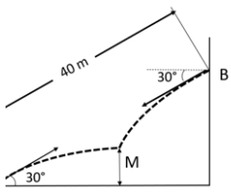
$\frac{\omega^2 S^2}{(\theta_o)^2}$

Question ID : **630680308314**
Option 1 ID : **6306801199495**
Option 2 ID : **6306801199496**
Option 3 ID : **6306801199493**
Option 4 ID : **6306801199494**
Status : **Answered**
Chosen Option : **3**

an in a close-packed hexagonal crystal is r, the length of the edge of the unit cell a is:

Question ID : **630680308336**

B) are pointed at each other, A upwards at an angle of 30° with horizontal and B at the same angle of
wn in figure. The guns are 40 m apart. If the gun A fires (shot) at the velocity of 350 m/s and gun B
velocity of 300 m/s respectively at the same time. The shots meet at M. What will be the time of
ıg?



ıeconds

ıeconds

ıeconds

seconds

Question ID : **630680308224**
Option 1 ID : **6306801199135**
Option 2 ID : **6306801199133**
Option 3 ID : **6306801199136**
Option 4 ID : **6306801199134**
Status : **Not Answered**
Chosen Option : **--**

ın stroke of an IC engine the heat rejected to the cooling water is 65 kJ/kg and the work input is 108
e in specific internal energy of the working fluid would be:

ı in internal energy of 173 kJ/kg.

s in internal energy of 43 kJ/kg.

n in internal energy of 43 kJ/kg.

s in internal energy of 173 kJ/kg.

Question ID : **630680308325**
Option 1 ID : **6306801199540**
Option 2 ID : **6306801199537**
Option 3 ID : **6306801199539**
Option 4 ID : **6306801199538**
Status : **Answered**
Chosen Option : **2**

ed beam (L = 4 m) carries a concentrated load (= P) at a distance of 1 m from one end. The beam has a on of 100 mm side. What will be the maximum value of load (= P) if the maximum permissible ıot to exceed 9 MN/m^2 ?

kN

kN

kN

N

Question ID : **630680308231**
Option 1 ID : **6306801199162**
Option 2 ID : **6306801199161**
Option 3 ID : **6306801199164**
Option 4 ID : **6306801199163**
Status : **Not Answered**
Chosen Option : **--**

line (diameter = 60 cm) carries oil at the rate of 10^5 m^3/day (specific weight = 9000 N/m^3. The ss of fluid during flow is observed as 8.5 m per 1000 m of pipe run. It is planning to place pumping 20 km along the pipe, what will be the pressure drop between two pumping stations?

N/m^2

N/m^2

MN/m^2

kN/m^2

Question ID : **630680308263**
Option 1 ID : **6306801199289**
Option 2 ID : **6306801199292**
Option 3 ID : **6306801199290**
Option 4 ID : **6306801199291**
Status : **Not Answered**
Chosen Option : **--**

rter governor is 200 m long and is pivoted on the axis of rotation of governor. The radii of rotation of
nimum and maximum speed are 120 mm and 160 mm respectively. The mass of the sleeve is 25 kg
all is 5 kg. What will be the approximate maximum and minimum speed of governor? Assuming

ı in the sleeve? [assume, $g\left(\frac{30}{\pi}\right)^2 = 900$; $g = acceleration\ due\ to\ gravity$.

ximum speed = 141 rpm

imum speed = 101 rpm

ximum speed = 340 rpm

imum speed = 212 rpm

ximum speed = 183 rpm

imum speed = 141 rpm

ximum speed = 212 rpm

nimum speed = 183 rpm

Question ID : **630680308245**
Option 1 ID : **6306801199220**
Option 2 ID : **6306801199219**
Option 3 ID : **6306801199218**
Option 4 ID : **6306801199217**
Status : **Not Answered**
Chosen Option : **--**

rallel plates are maintained at uniform temperature of T_1 = 800K and T_2 = 640K. Their emmisivities
spectively. What will be the net rate of radiation heat transfer between the two surface per unit surface
' [assuming, Stefan Boltzman constant = 5.67×10^{-8} W/m^2 -K; $(800)^4 - (640)^4 = 2.4\times 10^{11}$]

3 W/m^2

1 W/m^2

8 W/m^2

0 W/m^2

Question ID : **630680308267**
Option 1 ID : **6306801199307**
Option 2 ID : **6306801199305**
Option 3 ID : **6306801199306**
Option 4 ID : **6306801199308**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

cs is related to:

production of material at very high temperature (approximately above 800 K).

production of material at very high pressure (approximately above 200 MPa).

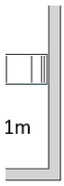
l production of material at low temperature (approximately below 120 K).

and production of material at atmospheric conditions.

Question ID : **630680308310**
Option 1 ID : **6306801199477**
Option 2 ID : **6306801199479**
Option 3 ID : **6306801199478**
Option 4 ID : **6306801199480**
Status : **Answered**
Chosen Option : **3**

apor at 200 kPa is in a constant-pressure cylinder /piston assembly. At this state, the piston is 0.1 m
linder bottom (as shown). What will be the distance of the piston from bottom if temperature is raised

00 kPa: T_{sat} =120.23°C, specific volume of saturated liquid water $(v_f) = 0.001\ m^3$ /kg, specific
ed water vapor $(v_g) = 0.88\ m^3$ /kg; specific volume of superheated water vapor at 200°C and 200kPa



5 m
5 m
25 m
5 m

Question ID : **630680308268**
Option 1 ID : **6306801199309**
Option 2 ID : **6306801199312**
Option 3 ID : **6306801199311**
Option 4 ID : **6306801199310**
Status : **Not Answered**
Chosen Option : **--**

exchanger effectiveness is defined as:

:e between the actual heat transfer and the maximum possible heat transfer.

t of the actual heat transfer and the maximum possible heat transfer.

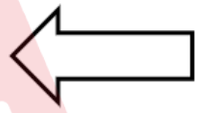
f the actual heat transfer to the maximum possible heat transfer.

f the maximum possible heat transfer to the actual heat transfer.

Question ID : **630680308323**
Option 1 ID : **6306801199532**
Option 2 ID : **6306801199531**
Option 3 ID : **6306801199530**
Option 4 ID : **6306801199529**
Status : **Answered**
Chosen Option : **3**

`the following is incorrect?

symbol used for "operation" in work study is 'O'.



used for "transport" in work study is ' '.

symbol used for "delay" in work study is ' Δ '.

symbol used for "storage" in work study is ' Δ '.

Question ID : **630680308296**
Option 1 ID : **6306801199421**
Option 2 ID : **6306801199423**
Option 3 ID : **6306801199424**
Option 4 ID : **6306801199422**
Status : **Answered**
Chosen Option : **2**

`the following is correct?

n used in Izod impact test is placed in the support in a cantilever position.

is placed in the support in a cantilever position in both Izod and Charpy impact test.

ı used in Izod impact test is placed in the support as a simply supported beam.

ırpy impact tests are used to measure the hardness of the workpiece surface.

Question ID : **630680308236**
Option 1 ID : **6306801199181**
Option 2 ID : **6306801199184**
Option 3 ID : **6306801199182**

s of 12 kg and is mounted midway on a horizontal shaft which is supported at the ends by two bearings
ly supported). The bearings are 1m apart. What will be the critical (whirling) speed of the shaft? [EI =
m/s^2]

$\sqrt{10}$ rad/s

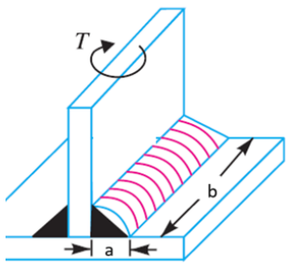
rad/s

rad/s

$\sqrt{10}$ rad/s

Question ID : **630680308247**
Option 1 ID : **6306801199225**
Option 2 ID : **6306801199228**
Option 3 ID : **6306801199226**
Option 4 ID : **6306801199227**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

b = 1 m) and 50 mm thick is welded to another plate at right angle to each other by fillet weld
10 mm) as shown. What will be the torque that the welded joint can sustain if permissible shear
l material not to exceed 90 MPa?



$\sqrt{2}$ kN-m

$0\sqrt{2}$ kN-m

$)\sqrt{2}$ kN-m

N-m

Question ID : **630680308259**
Option 1 ID : **6306801199275**
Option 2 ID : **6306801199274**
Option 3 ID : **6306801199273**
Option 4 ID : **6306801199276**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

:tual demand for disposable cup was 600 units in January and 700 units February. The forecast for the
was 500 units. What will be forecast for the month of March. Use simple exponential smoothening
ening coefficient = 0.8]

Question ID : **630680308290**
Option 1 ID : **6306801199399**
Option 2 ID : **6306801199400**
Option 3 ID : **6306801199398**
Option 4 ID : **6306801199397**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

cycle, T_1 and T_3 are the lower and upper limits of absolute temperature respectively. What will be

)(R) for maximum work output of the cycle? [γ = Ratio of specific heat = $\frac{C_p}{C_v}$]

$(\frac{T_3}{T_1})^{2(\gamma-1)}$

$(\frac{T_3}{T_1})^{\frac{1}{2(\gamma-1)}}$

$(\frac{T_3}{T_1})^{(\gamma-1)}$

$(\frac{T_3}{T_1})^{\frac{(\gamma-1)}{2}}$

Question ID : **630680308298**
Option 1 ID : **6306801199429**
Option 2 ID : **6306801199430**
Option 3 ID : **6306801199431**
Option 4 ID : **6306801199432**
Status : **Answered**
Chosen Option : **2**

:d to a maximum torque of 12 kN-m and a maximum bending moment 16 kN-m at a particular section.
liameter of the shaft according to maximum shear stress theory (Guest's & Tresca's theory)? If the
ıple tension is 160 MPa.

}]

mm

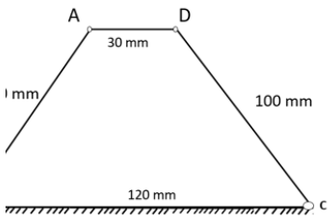
mm

ım

mm

Question ID : **630680308254**
Option 1 ID : **6306801199256**

ABCD is shown in figure (link BC is fixed). Which of the following is true for this mechanism?



a double-rocker mechanism.

can take complete revolution about B (or Link BA can be used as a crank).

crank-rocker mechanism.

double-crank mechanism.

Question ID : **630680308240**
Option 1 ID : **6306801199197**
Option 2 ID : **6306801199200**
Option 3 ID : **6306801199199**
Option 4 ID : **6306801199198**
Status : **Answered**
Chosen Option : **1**

ıe following fuel responsible for fire categorized as a Class D fuel?

nmable gases and liquids.

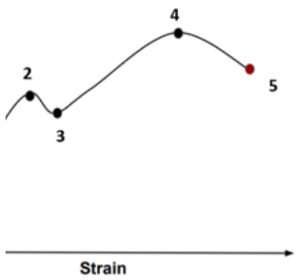
ɔon-based products such as wood and paper.

ıbustible materials where electricity may be present.

le metals such as aluminum, magnesium, titanium and zirconium.

Question ID : **630680308333**
Option 1 ID : **6306801199570**
Option 2 ID : **6306801199571**
Option 3 ID : **6306801199572**
Option 4 ID : **6306801199569**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

.,2,3,4,5) Stress–Strain diagram for ductile material is shown in figure.



ıt '1' is lower yield point.

ıt '2' is lower yield point.

nt '4' I ultimate stress.

ıt '3' is upper yield point.

Question ID : **630680308274**
Option 1 ID : **6306801199333**
Option 2 ID : **6306801199334**
Option 3 ID : **6306801199336**
Option 4 ID : **6306801199335**
Status : **Answered**
Chosen Option : **3**

rest on a curved road of radius 200 m and attains a speed of 18 km/hr at the end of 60 seconds while nstant tangential acceleration. What will be the normal acceleration of car after 30 seconds from the

:86 m/ s^2

:125 m/ s^2

:3 m/s^2

:52 m/ s^2

Question ID : **630680308226**
Option 1 ID : **6306801199143**
Option 2 ID : **6306801199144**
Option 3 ID : **6306801199141**
Option 4 ID : **6306801199142**
Status : **Not Answered**
Chosen Option : **--**

ıell hardness test, if (D) is the diameter of ball indenter in mm, (d) is mean diameter of indentation in
ɔad (F) is in kg, then the BHN will be given by equation:

$$\frac{2F}{d\left(D-\sqrt{D^2-d^2}\right)}$$

$$\frac{4F}{d\left(D-\sqrt{D^2-d^2}\right)}$$

$$\frac{4F}{D\left(D-\sqrt{D^2-d^2}\right)}$$

$$\frac{2F}{D\left(D-\sqrt{D^2-d^2}\right)}$$

Question ID : **630680308313**
Option 1 ID : **6306801199489**
Option 2 ID : **6306801199491**
Option 3 ID : **6306801199492**
Option 4 ID : **6306801199490**
Status : **Answered**
Chosen Option : **4**

`the following is correct about powder metallurgy?

is the process of heating green compact below the sintering temperature.

ɛd out at substantially high temperature but below the melting point of the material being sintered.

ɛd out at substantially high temperature. (equal to the melting point of the material being sintered)

g means the process of converting loose powder into green compact.

Question ID : **630680308285**
Option 1 ID : **6306801199380**
Option 2 ID : **6306801199378**
Option 3 ID : **6306801199377**
Option 4 ID : **6306801199379**
Status : **Answered**
Chosen Option : **2**

state of the system must have:

› velocity & maximum potential energy.

o velocity & minimum potential energy.

› potential energy & maximum velocity.

› potential energy & minimum velocity.

Question ID : **630680308330**
Option 1 ID : **6306801199559**
Option 2 ID : **6306801199557**

natural frequency of a vibratory system shown in figure having the mass (m) of 10 kg and stiffness as

Hz

Hz

z

Hz

Question ID : **630680308249**
Option 1 ID : **6306801199236**
Option 2 ID : **6306801199234**
Option 3 ID : **6306801199233**
Option 4 ID : **6306801199235**
Status : **Answered**
Chosen Option : **2**

state of the body, if the position of metacentre (M) remains lower than centre of gravity of the body

le equilibrium

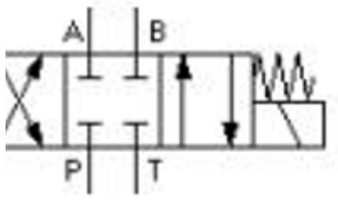
n equilibrium

stable equilibrium

tral equilibrium

Question ID : **630680308316**
Option 1 ID : **6306801199503**
Option 2 ID : **6306801199504**
Option 3 ID : **6306801199502**
Option 4 ID : **6306801199501**
Status : **Answered**
Chosen Option : **3**

pe of direction control valve symbol is shown in Figure?



open 4-Way 3-Position pilot operated D. C. Valve.

closed 4-Way 3-Position solenoid operated D. C. Valve.

closed 3-Way 4-Position solenoid operated D. C. Valve.

open 3-Way 4-Position lever operated D. C. Valve.

Question ID : **630680308332**
Option 1 ID : **6306801199566**
Option 2 ID : **6306801199565**
Option 3 ID : **6306801199567**
Option 4 ID : **6306801199568**
Status : **Not Answered**
Chosen Option : **--**

quation for a real gas may be written as:

l R are the characteristic constants of particular gas, 'p' is the absolute pressure of the gas and 'v' lume per unit mass).

$+\frac{a}{v^2}\right)(v-b)=RT$

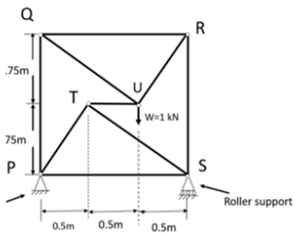
$+\frac{a}{v}\right)(v^2-b)=RT$

$-\frac{a}{v}\right)(v^2+b)=RT$

$-\frac{a}{v^2}\right)(v+b)=RT$

Question ID : **630680308328**
Option 1 ID : **6306801199549**
Option 2 ID : **6306801199552**
Option 3 ID : **6306801199550**
Option 4 ID : **6306801199551**
Status : **Answered**
Chosen Option : **1**

and supported as shown in the figure. What will be the axial force in the member PQ, SR and TU, if a
1 kN) is applied at U?



$= 0;\ F_{PQ} = \frac{W}{3}$ (tensile); $F_{RS} = \frac{2W}{3}$ (tensile)

$;\ F_{PQ} = \frac{W}{3}$ (compressive); $F_{RS} = \frac{2W}{3}$ (compressive)

(tensile); $F_{PQ} = \frac{W}{3}$ (tensile); $F_{PQ} = \frac{2W}{3}$ (compressive)

$= 0;\ F_{PQ} = \frac{W}{3}$ (tensile); $F_{RS} = \frac{2W}{3}$ (compressive)

Question ID : **630680308223**
Option 1 ID : **6306801199130**
Option 2 ID : **6306801199129**
Option 3 ID : **6306801199132**
Option 4 ID : **6306801199131**
Status : **Not Answered**
Chosen Option : --

the following is correct?

tal limit refers to high limit of size for hole and low limit of size for the shaft.

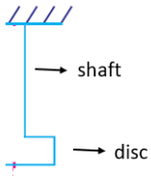
it, the largest permissible diameter of the shaft is smaller than the diameter of smallest hole.

the largest permissible diameter of the shaft is smaller than the diameter of smallest hole.

ie minimum permissible diameter of the shaft exceeds the maximum allowable diameter of the hole.

Question ID : **630680308289**
Option 1 ID : **6306801199396**
Option 2 ID : **6306801199393**
Option 3 ID : **6306801199394**
Option 4 ID : **6306801199395**
Status : **Answered**
Chosen Option : **3**

n diameter and 1.0 meter long has one of its ends fixed and the other end carries a disc of mass 314 kg
ıtion of 0.5 m(shown in figure). The modulus of rigidity of the shaft is 80 GN/m^2. What will be the
of the torsional vibration? [π = 3.14]



Hz

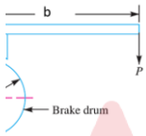
Hz

Hz

Hz

Question ID : **630680308248**
Option 1 ID : **6306801199231**
Option 2 ID : **6306801199230**
Option 3 ID : **6306801199229**
Option 4 ID : **6306801199232**
Status : **Not Answered**
Chosen Option : --

rovides a braking torque of 400 N-m (as shown in figure). The diameter of drum (= D) is 200 mm and
ion is 0.4. What will be the force (= P) is applied at the end of lever for clockwise rotation of brake
' is pivot, a = 75 mm, b = 550 mm, c = 150 mm, d = 25 mm]



kN

kN

kN

kN

Question ID : **630680308261**
Option 1 ID : **6306801199281**
Option 2 ID : **6306801199284**
Option 3 ID : **6306801199283**
Option 4 ID : **6306801199282**
Status : **Not Answered**
Chosen Option : --

factor (A) is related as [A = Notch sensitivity factor, B = Theoretical stress concentration factor, C = ıcentration factor]

[B – 1] [C – 1]

1 + A [C – 1]

BC

1 + A [B – 1]

Question ID : **630680308256**
Option 1 ID : **6306801199263**
Option 2 ID : **6306801199261**
Option 3 ID : **6306801199264**
Option 4 ID : **6306801199262**
Status : **Answered**
Chosen Option : **4**

owing is correct relation for PERT activity? [Where, A = Expected time, B = Optimistic time, C = D = Most likely time]

: $\frac{6A - B + C}{4}$

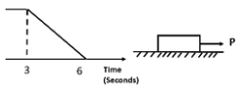
: $\frac{6A + B + C}{4}$

= $\frac{6A - C - B}{4}$

: $6A - C - 4B$

Question ID : **630680308293**
Option 1 ID : **6306801199412**
Option 2 ID : **6306801199411**
Option 3 ID : **6306801199409**
Option 4 ID : **6306801199410**
Status : **Answered**
Chosen Option : **3**

: 2kN is initially at rest on a rough horizontal surface (μ = 0.2). It is acted upon by a force (= P) which s shown in figure. What will be the velocity of the block at the end of 3 seconds? (assume, g = 10 m/



/s

/s

/s

/s

Question ID : **630680308228**
Option 1 ID : **6306801199149**
Option 2 ID : **6306801199152**

oint on Fe- Fe_3C (Iron-Iron carbide) phase diagram is represented by:

% carbon (approximate) and 727°C (approximate)

5% carbon (approximate) and 727°C (approximate)

i% carbon (approximate)and 1147°C (approximate)

% carbon (approximate)and 1147°C (approximate)

Question ID : **630680308272**
Option 1 ID : **6306801199325**
Option 2 ID : **6306801199326**
Option 3 ID : **6306801199327**
Option 4 ID : **6306801199328**
Status : **Answered**
Chosen Option : **2**

ducer used for measurement of angular displacement is:

ational Velocity Differential Transducer (RVDT)

ear variable differential transformer (LVDT)

ary variable differential transformer (RVDT)

Displacement Differential Velocity-meter (ADDV)

Question ID : **630680308340**
Option 1 ID : **6306801199598**
Option 2 ID : **6306801199599**
Option 3 ID : **6306801199600**
Option 4 ID : **6306801199597**
Status : **Answered**
Chosen Option : **2**

dition of locating two masses in order to system becomes dynamically equivalent is:

Distance of two masses from the center of gravity of the body, K_G = Radius of gyration of the body)

< $I_2 = K_G^2$

$I_2 = K_G^2$

$I_2 = K_G$

< $I_2 = K_G$

Question ID : **630680308342**
Option 1 ID : **6306801199608**
Option 2 ID : **6306801199606**
Option 3 ID : **6306801199607**
Option 4 ID : **6306801199605**
Status : **Answered**
Chosen Option : **1**

efficiency of single riveted lap joint of 10 mm thick plate with rivet diameter of 20 mm having the
[Given: Permissible tensile stress in plate = 150 MPa; Permissible shear stress in rivet = 100 MPa;
ing stress in rivets = 200 MPa; $\pi = 3.14$]

3 %

36 %

5 %

6 %

Question ID : **630680308258**
Option 1 ID : **6306801199271**
Option 2 ID : **6306801199269**
Option 3 ID : **6306801199270**
Option 4 ID : **6306801199272**
Status : **Not Answered**
Chosen Option : **--**

the following is correct?

rdination number of simple cubic structure is 12.

ion number of body centered cubic (BCC) structure is 12.

on number of Hexagonal Closed Packed (HCP) structure is 12.

tion number of face centered cubic (FCC) structure is 8.

Question ID : **630680308279**
Option 1 ID : **6306801199353**
Option 2 ID : **6306801199354**
Option 3 ID : **6306801199356**
Option 4 ID : **6306801199355**
Status : **Answered**
Chosen Option : **3**

n consists of a mass of 200 kg, a spring of stiffness 80 N/mm and a damper with damping coefficient
at will be the natural frequency of damped vibration?

$\frac{1}{}$ Hz

$\frac{1}{}$ Hz

$\frac{1}{}$ Hz

Hz

Question ID : **630680308250**
Option 1 ID : **6306801199240**
Option 2 ID : **6306801199238**
Option 3 ID : **6306801199239**
Option 4 ID : **6306801199237**

wheel is to be measured using stroboscope for single mark. After setting 2800 rpm on the stroboscope, e of 4 marks is observed. What will be the speed of flywheel?

rpm

)0 rpm

4 rpm

6 rpm

Question ID : **630680308300**
Option 1 ID : **6306801199440**
Option 2 ID : **6306801199437**
Option 3 ID : **6306801199438**
Option 4 ID : **6306801199439**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

llowing is correct analogy between electrical and mechanical system for vibrating system?

mechanical systems equivalent to the Voltage (V) in electrical systems.

ss (k) in mechanical systems equivalent to the Current (I) in electrical systems.

icient (c) in mechanical systems equivalent to the Resistance (R) in electrical systems.

mechanical systems equivalent to the Inductance (L) in electrical systems.

Question ID : **630680308309**
Option 1 ID : **6306801199474**
Option 2 ID : **6306801199475**
Option 3 ID : **6306801199476**
Option 4 ID : **6306801199473**
Status : **Answered**
Chosen Option : **3**

the following is correct relation?

etic permeability of medium

etic induction (or magnetic flux density)

etic field strength (or Intensity of magnetization field)

A + C

BC

AB

AC

Question ID : **630680308276**
Option 1 ID : **6306801199341**
Option 2 ID : **6306801199343**
Option 3 ID : **6306801199344**

late is welded by manual arc welding process using welding current of 100 Ampere and arc voltage of
g speed 250 mm/min. If the process efficiency is 0.8 and surface resistance is 40 μΩ, what will be the
put?

3 J

J

J

MJ

Question ID : **630680308286**
Option 1 ID : **6306801199382**
Option 2 ID : **6306801199384**
Option 3 ID : **6306801199383**
Option 4 ID : **6306801199381**
Status : **Not Answered**
Chosen Option : --

cking factor of Hexagonal Closed Packed (HCP) structure is:

4

Question ID : **630680308278**
Option 1 ID : **6306801199349**
Option 2 ID : **6306801199351**
Option 3 ID : **6306801199350**
Option 4 ID : **6306801199352**
Status : **Answered**
Chosen Option : **4**

the following is correct?

it snap-gauge measures the diameter of the hole.

it plug gauge measures the length of the rod.

g gauge measures the angle between the two surfaces.

ures that the size of the component being inspected lies within the prescribed limits of size.

Question ID : **630680308288**
Option 1 ID : **6306801199391**
Option 2 ID : **6306801199389**
Option 3 ID : **6306801199390**
Option 4 ID : **6306801199392**
Status : **Answered**
Chosen Option : **4**

0 customers arrives at a place each hour, and on the average the server can process 150 customers per
e the proportion of time the server is idle?

Question ID : **630680308295**
Option 1 ID : **6306801199417**
Option 2 ID : **6306801199419**
Option 3 ID : **6306801199420**
Option 4 ID : **6306801199418**
Status : **Answered**
Chosen Option : **4**

rical formula to find the natural frequency of transverse vibration for a shaft carrying a number of
niformly distributed load (UDL) is given by [Where, f_n = Natural frequency of transverse vibration of
point load and uniformly distributed load; f_{n1} , f_{n2} ..... = Natural frequency of transverse vibration
; f_{ns} = Natural frequency of transverse vibration of UDL (or due to mass of shaft]

$$= \frac{1}{{f_{n1}}^2} + \frac{1}{{f_{n2}}^2} + \frac{1}{{f_{n3}}^2} + \cdots \ldots \ldots \frac{1}{{f_{ns}}^2}$$

$$= f_{n1} + f_{n2} + f_{n3} + \cdots \ldots \ldots f_{ns}$$

$$= \frac{1}{{f_{n1}}^3} + \frac{1}{{f_{n2}}^3} + \frac{1}{{f_{n3}}^3} + \cdots \ldots \ldots \frac{1}{{f_{ns}}^3}$$

$$= {f_{n1}}^2 + {f_{n2}}^2 + {f_{n3}}^2 + \cdots \ldots \ldots {f_{ns}}^2$$

Question ID : **630680308246**
Option 1 ID : **6306801199221**
Option 2 ID : **6306801199224**
Option 3 ID : **6306801199222**
Option 4 ID : **6306801199223**
Status : **Answered**
Chosen Option : **1**

sel contains 4 kg of refrigerant (R134a) at pressure of 200 kPa having the dryness fraction of 0.25.
/olume of the vessel? [Given: At 200 kPa: Specific volume (saturated liquid) = 0.0075 m^3 /kg, specific
vapor) = 0.1 m^3 /kg

liter
:5 liter
.5 liter
5 liter

Question ID : **630680308271**
Option 1 ID : **6306801199321**
Option 2 ID : **6306801199324**
Option 3 ID : **6306801199323**
Option 4 ID : **6306801199322**
Status : **Not Answered**
Chosen Option : **--**

is 80 mm in diameter. One end of the strut is fixed while the other end is hinged. What will be the

assume, $E = 2 \times 10^5$ N/mm^2, $\pi^3 = 31$]

5 kN

kN

5 kN

5 MN

Question ID : **630680308234**
Option 1 ID : **6306801199173**
Option 2 ID : **6306801199175**
Option 3 ID : **6306801199174**
Option 4 ID : **6306801199176**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

the following is correct?

pression ratio and same heat rejection, diesel cycle is more efficient than Otto cycle.

pression ratio and same heat addition, Otto cycle is more efficient than diesel cycle.

pression ratio and same heat addition, diesel cycle is more efficient than Otto cycle.

ression ratio and same heat rejection, efficiency of diesel cycle is same as of Otto cycle.

Question ID : **630680308299**
Option 1 ID : **6306801199435**
Option 2 ID : **6306801199433**
Option 3 ID : **6306801199434**
Option 4 ID : **6306801199436**
Status : **Answered**
Chosen Option : **2**

diameter = 25 mm, thermal conductivity = 400 W/m-K) extends from a surface at temperature of

erature of surrounding air is 25°C, convective heat transfer coefficient over the rod is 9 W/m^2-K. What

rom the rod? [assume, $\pi^2 = 10$]

W

V

W

W

Question ID : **630680308265**
Option 1 ID : **6306801199298**
Option 2 ID : **6306801199297**
Option 3 ID : **6306801199299**
Option 4 ID : **6306801199300**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

long is fixed at both its ends. If the thermal stress is not to exceed 76.5 MPa, what will be the gh which the rod should be heated?

10^{-6} /°C and E=90 GPa)

°C

°C

°C

°C

Question ID : **630680308311**
Option 1 ID : **6306801199482**
Option 2 ID : **6306801199483**
Option 3 ID : **6306801199481**
Option 4 ID : **6306801199484**
Status : **Answered**
Chosen Option : **3**

safety helps in (choose incorrect option):

vention of health issues and accident of workers

easing the production rate

easing the damage to machines

reasing the damage to the property of industry

Question ID : **630680308307**
Option 1 ID : **6306801199467**
Option 2 ID : **6306801199465**
Option 3 ID : **6306801199466**
Option 4 ID : **6306801199468**
Status : **Answered**
Chosen Option : **1**

llowing is correct about CPM and PERT?

rt time, B = Latest start time, C = Earliest finish time, D = Latest finish time, E = Total float]

D + C

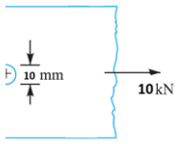
B + A

$= B^2 - A^2$

B – A

Question ID : **630680308297**
Option 1 ID : **6306801199426**
Option 2 ID : **6306801199425**
Option 3 ID : **6306801199427**
Option 4 ID : **6306801199428**
Status : **Answered**
Chosen Option : **4**

e of width 60 mm and thickness 10 mm has a hole 10 mm (as shown in figure) and subjected to a
kN. What will be the maximum stress induced considering stress concentration? Assuming theoretical
on factor as 2.5.



MPa
Pa
MPa
MPa

Question ID : **630680308255**
Option 1 ID : **6306801199259**
Option 2 ID : **6306801199260**
Option 3 ID : **6306801199257**
Option 4 ID : **6306801199258**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

ne of the following force is a body force?

face force
vitational force
tional force
yant force

Question ID : **630680308319**
Option 1 ID : **6306801199516**
Option 2 ID : **6306801199514**
Option 3 ID : **6306801199513**
Option 4 ID : **6306801199515**
Status : **Answered**
Chosen Option : **2**

is related to:

itation
m production in boiler
tion, lubrication and wear
ded and riveted joints

Question ID : **630680308305**
Option 1 ID : **6306801199458**
Option 2 ID : **6306801199459**
Option 3 ID : **6306801199457**
Option 4 ID : **6306801199460**
Status : **Answered**

the following is correct full name of SCARA type of Robot?

Compliance Assembly (or Articulated) Robot Arm.

sing Code Assembly (or Articulated) Robot Arm.

rce Code Assembly (or Articulated) Robot Arm.

Competence Assembly (or Articulated) Robot Arm.

Question ID : **630680308301**
Option 1 ID : **6306801199441**
Option 2 ID : **6306801199443**
Option 3 ID : **6306801199444**
Option 4 ID : **6306801199442**
Status : **Answered**
Chosen Option : **2**

the following is correct?

ng is carried out above the recrystallization temperature of metal.

ensional tolerances can be maintained in cold working process.

ng is carried out below the recrystallization temperature of metal.

face finish of hot worked parts is very good.

Question ID : **630680308284**
Option 1 ID : **6306801199373**
Option 2 ID : **6306801199375**
Option 3 ID : **6306801199376**
Option 4 ID : **6306801199374**
Status : **Answered**
Chosen Option : **2**

ue of damping ratio (ξ), the dynamic magnification factor at resonance is given by:

Question ID : **630680308318**
Option 1 ID : **6306801199512**
Option 2 ID : **6306801199510**
Option 3 ID : **6306801199509**
Option 4 ID : **6306801199511**
Status : **Answered**
Chosen Option : **3**

hicle (car) dynamics, which of the following force is insignificant external longitudinal force acting on

gitudinal tire force

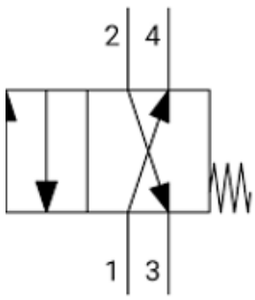
odynamics drag force

yancy force

ling resistance due to tires

Question ID : **630680308303**
Option 1 ID : **6306801199451**
Option 2 ID : **6306801199449**
Option 3 ID : **6306801199450**
Option 4 ID : **6306801199452**
Status : **Answered**
Chosen Option : **2**

e shows:



valve

valve

valve

valve

Question ID : **630680308308**
Option 1 ID : **6306801199471**
Option 2 ID : **6306801199469**
Option 3 ID : **6306801199470**
Option 4 ID : **6306801199472**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

ngs are made of the same material. Side of small casting is 2 cm while that of bigger one is 4 cm. If
difies in 2 minutes, what will be the solidification time for bigger casting?

's rule]

ninutes

inutes

ninutes

inutes

Question ID : **630680308280**
Option 1 ID : **6306801199360**
Option 2 ID : **6306801199357**
Option 3 ID : **6306801199359**
Option 4 ID : **6306801199358**
Status : **Answered**
Chosen Option : **4**

upled to a two-stroke engine which produces a torque of (T)= [800 + 180 sin 3θ] (N.m)

rank angle. The mean engine speed is 600 rpm. What will be the power of engine? [π = 3.14]

1 kW

24 kW

7 kW

2 kW

Question ID : **630680308244**
Option 1 ID : **6306801199213**
Option 2 ID : **6306801199215**
Option 3 ID : **6306801199216**
Option 4 ID : **6306801199214**
Status : **Answered**
Chosen Option : **2**

ine operates between a source temperature of 900°C and a sink temperature of 35°C. The least rate of
kW net output of the engine will be:

2 kW

6 kW

56 kW

6 kW

Question ID : **630680308326**
Option 1 ID : **6306801199541**
Option 2 ID : **6306801199544**
Option 3 ID : **6306801199543**
Option 4 ID : **6306801199542**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

following motion to a knife-edged follower.

er move to rise through 40 mm during 90° rotation of the Cam.

er to dwell for next 45° rotation of the Cam.

er to return to its original position during next 120° rotation.

er to dwell for the remaining period.

es with simple harmonic motion during both rise and return stroke. The least radius of Cam is 50 mm. naximum velocity of the follower during rise if the angular velocity of the Cam is 30 rad/sec?

m/s

m/s

m/s

m/s

Question ID : **630680308243**
Option 1 ID : **6306801199209**
Option 2 ID : **6306801199211**
Option 3 ID : **6306801199212**
Option 4 ID : **6306801199210**
Status : **Not Answered**
Chosen Option : **--**

a cylindrical shell of 800 mm internal diameter and having the internal volume of 1 m^3 is 10 mm. If ted to an internal pressure of 1.5 MPa, what will be the increase in the capacity of the cylinder? is incompressible; Poisson ratio = 0.3; modulus of elasticity = 200GPa]

0000 mm^3

000 mm^3

0 mm^3

00 mm^3

Question ID : **630680308232**
Option 1 ID : **6306801199168**
Option 2 ID : **6306801199167**
Option 3 ID : **6306801199165**
Option 4 ID : **6306801199166**
Status : **Not Answered**
Chosen Option : **--**

icteristics of nano-material is to have:

surface area to volume ratio compared to bulk material.

y high mass to volume ratio compared to bulk material.

ı surface area to volume ratio compared to bulk material.

face area to volume ratio compared to bulk material.

Question ID : **630680308304**
Option 1 ID : **6306801199454**
Option 2 ID : **6306801199456**

nnected by means of a flange coupling to transmit a torque of 30 N-m. The flange of the coupling are
olts of same material at the radius of 30 mm. What will be the core diameter of bolts if the allowable
t material is 30 MPa?

$)^{1/2}$ mm

$)^{1/2}$ mm

$)^{1/2}$ mm

$)^{1/2}$ mm

Question ID : **630680308257**
Option 1 ID : **6306801199267**
Option 2 ID : **6306801199268**
Option 3 ID : **6306801199266**
Option 4 ID : **6306801199265**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

n behind Vapor lock in IC engines is _____.

ess fuel supply to engine due to vaporization.

partial stoppage of fuel supply due to vapor or bubble formation of fuel.

ouretor jet locking because of excessive vapor pressure.

ply of liquid fuel particles to engine.

Question ID : **630680308331**
Option 1 ID : **6306801199561**
Option 2 ID : **6306801199564**
Option 3 ID : **6306801199562**
Option 4 ID : **6306801199563**
Status : **Answered**
Chosen Option : **2**

is that property of material by virtue of which:

cture or break without any appreciable deformation.

ess below the yield point stress, when the material is subjected to repeated stress.

s a slow and progressive deformation with time at constant stress.

ores energy and resists shock & impact loads.

Question ID : **630680308338**
Option 1 ID : **6306801199591**

ures of slowly cooled hypo-eutectoid steels below A1 (1330 °F) temperature consist of eutectoid

rite and Pearlite

ite and Cementite

tenite and Cementite

rlite and Cementite

Question ID : **630680308334**
Option 1 ID : **6306801199576**
Option 2 ID : **6306801199574**
Option 3 ID : **6306801199573**
Option 4 ID : **6306801199575**
Status : **Answered**
Chosen Option : **4**

the following is correct?

ite has FCC crystal structure.

rite has BCC crystal structure.

ite has maximum solubility of carbon as 2% at 727°C.

ite can dissolve 2% of carbon at room temperature.

Question ID : **630680308273**
Option 1 ID : **6306801199329**
Option 2 ID : **6306801199331**
Option 3 ID : **6306801199330**
Option 4 ID : **6306801199332**
Status : **Answered**
Chosen Option : **2**

ty 3 m^3 contains 1 kg mole of Nitrogen at 90°C. Characteristic gas constant, R for nitrogen (molecular
s 296.9 J/kg K. The pressure and specific volume of the gas will be:

6 bar, 0.178 m3/kg.

bar, 0.133 m3/kg.

bar, 0.167 m3/kg.

)6 bar, 0.107 m3/kg.

Question ID : **630680308329**
Option 1 ID : **6306801199555**
Option 2 ID : **6306801199553**
Option 3 ID : **6306801199554**
Option 4 ID : **6306801199556**
Status : **Not Answered**
Chosen Option : **--**

· of a process is due to the dissipation of work which lead to increase in internal energy of a system, is

chanical irreversibility

mical irreversibility

rmal irreversibility

:trical irreversibility

Question ID : **630680308327**
Option 1 ID : **6306801199545**
Option 2 ID : **6306801199547**
Option 3 ID : **6306801199546**
Option 4 ID : **6306801199548**
Status : **Answered**
Chosen Option : **1**

pressure, a material of unknown composition shows three phases in equilibrium at 710° C. The
er of components in the system will be:

Question ID : **630680308335**
Option 1 ID : **6306801199580**
Option 2 ID : **6306801199577**
Option 3 ID : **6306801199578**
Option 4 ID : **6306801199579**
Status : **Answered**
Chosen Option : **2**

: mechanism, the length of stroke is $2R$ and that of connecting rod is L. What will be the angular
ecting rod if the crank rotates at an angular speed of ω?

θ = Crank angle at the moment when crank has turned from inner dead center.]

$\frac{2\omega}{-\sin^2\theta}$

$\left[\sin\theta + \frac{\sin 2\theta}{2n}\right]$

$\sin\theta$

$\frac{\cos\theta}{-\sin^2\theta}$

Question ID : **630680308302**
Option 1 ID : **6306801199446**
Option 2 ID : **6306801199447**
Option 3 ID : **6306801199448**
Option 4 ID : **6306801199445**
Status : **Answered**
Chosen Option : **4**

vo dimensional flow is given by What will be the velocity at a point (1,2) after 2 seconds?

nits

ınits

ınits

ınits

Question ID : **630680308317**
Option 1 ID : **6306801199505**
Option 2 ID : **6306801199507**
Option 3 ID : **6306801199508**
Option 4 ID : **6306801199506**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

›f a particle is expressed as $a = 10 - x$

(time =0) with no initial velocity at $x = 0$. What will be the velocity of the particle when acceleration

n/s

/s

/s

ı/s

Question ID : **630680308225**
Option 1 ID : **6306801199139**
Option 2 ID : **6306801199137**
Option 3 ID : **6306801199138**
Option 4 ID : **6306801199140**
Status : **Answered**
Chosen Option : **1**

tes uniformly from rest to a speed of 300 rpm in 1 second. How many revolutions will be made by
interval?

revolutions

volutions

revolutions

volutions

Question ID : **630680308227**
Option 1 ID : **6306801199146**
Option 2 ID : **6306801199145**
Option 3 ID : **6306801199148**
Option 4 ID : **6306801199147**
Status : **Answered**
Chosen Option : **1**

ment in blanking operation of a metal sheet is 10 kN. The thickness of sheet is T and the diameter of
. For the same material and same conditions, if the diameter of blanked part is increased to 1.7 D and
heet is reduced to 0.5 T, what will be the new blanking force required?

kN

N

6 kN

J

Question ID : **630680308283**
Option 1 ID : **6306801199371**
Option 2 ID : **6306801199370**
Option 3 ID : **6306801199369**
Option 4 ID : **6306801199372**
Status : **Not Answered**
Chosen Option : **--**

n consists of a mass of 200 kg anda spring of stiffness 80 N/mm. The circular frequency of un-damped

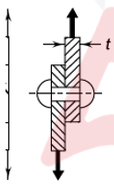
:ad/s

ad/s

ad/s

ad/s

Question ID : **630680308341**
Option 1 ID : **6306801199601**
Option 2 ID : **6306801199602**
Option 3 ID : **6306801199604**
Option 4 ID : **6306801199603**
Status : **Answered**
Chosen Option : **1**



ted joint, where, P_t = tensile resistance of plate per pitch length (N), p = pitch of rivets (mm), t =
(mm), σ_t = permissible tensile stress of plate material (N/mm^2). The tensile resistance of the plate
ts is given by:

$= 2(p-d).t.\sigma_t$

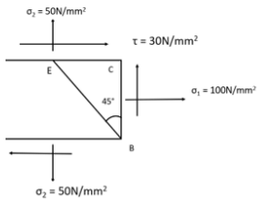
$= 2(p+d).t.\sigma_t$

$= (p-d).t.\sigma_t$

$= (p+d).t.\sigma_t$

Question ID : **630680308315**
Option 1 ID : **6306801199499**

stresses acting on a element ABCD. What will be the normal stress on the plane BE which is inclined
BC?



N/mm^2

N/mm^2

N/mm^2

N/mm^2

Question ID : **630680308238**
Option 1 ID : **6306801199190**
Option 2 ID : **6306801199191**
Option 3 ID : **6306801199189**
Option 4 ID : **6306801199192**
Status : **Not Attempted and Marked For Review**
Chosen Option : --

roduces two types of products [1 and 2] at production level of x_1 and x_2 respectively. The profit is
x_2 .

maximum profit if the production constraints are:

Question ID : **630680308292**
Option 1 ID : **6306801199405**
Option 2 ID : **6306801199408**
Option 3 ID : **6306801199406**
Option 4 ID : **6306801199407**
Status : **Not Attempted and Marked For Review**
Chosen Option : --

; (= m) moves in a x-y plane. The co-ordinates of the particle at any instant are given by $x = a\cos\omega t$
here a , b and ω are constants. What will be the angular momentum of the particle with respect to the
dinate system?

ωm

ωm

ωm

ωm

Question ID : **630680308229**
Option 1 ID : **6306801199153**
Option 2 ID : **6306801199154**
Option 3 ID : **6306801199156**
Option 4 ID : **6306801199155**
Status : **Not Answered**
Chosen Option : **--**

rate of heat transfer per unit are through a copper plate 45 mm thick, whose one face is at 350°C and
0°C? (Take thermal conductivity of copper as 370 W/m°C)

6×10^6 W/m^2

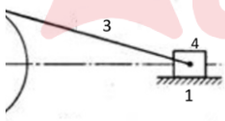
56×10^6 W/m^2

$.6 \times 10^6$ W/m^2

6×10^6 W/m^2

Question ID : **630680308324**
Option 1 ID : **6306801199536**
Option 2 ID : **6306801199535**
Option 3 ID : **6306801199533**
Option 4 ID : **6306801199534**
Status : **Answered**
Chosen Option : **2**

nechanism is shown in figure. It has link 1 as fixed and link 2 is crank, link 3 is connecting rod, link 4
e of link 1, link 2 is get fixed and link 3 become crank with link 1 to rotate about 'O' along with
procates. Then the resulting mechanism will be:



itworth quick return mechanism

ık and slotted lever mechanism

d pump

iprocating compressor

Question ID : **630680308241**
Option 1 ID : **6306801199201**
Option 2 ID : **6306801199204**
Option 3 ID : **6306801199203**
Option 4 ID : **6306801199202**

ch 1995 is Friday, then what will 6 September 1999 be?

rsday

lay

ırday

nday

Question ID : **630680308357**
Option 1 ID : **6306801199668**
Option 2 ID : **6306801199666**
Option 3 ID : **6306801199665**
Option 4 ID : **6306801199667**
Status : **Answered**
Chosen Option : **4**

ls– Shalini, Anu, Jasmine and Reva, Shalini and Anu do Salsa and Ballet dance. Anu and Jasmine do
:. Shalini and Reva do the Garba and Salsa. Jasmine and Reva do Kathak and Garba. Who does NOT

lini

nine

'a

Question ID : **630680308349**
Option 1 ID : **6306801199636**
Option 2 ID : **6306801199635**
Option 3 ID : **6306801199634**
Option 4 ID : **6306801199633**
Status : **Answered**
Chosen Option : **1**

sitting around a circular table facing the centre. M is on the immediate left of A. B is not an immediate
ıd G. K is on the immediate right of B and L is the immediate neighbour of H. C is between H and K.
nediate left of B?

Question ID : **630680308345**
Option 1 ID : **6306801199618**
Option 2 ID : **6306801199619**
Option 3 ID : **6306801199620**
Option 4 ID : **6306801199617**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

statement followed by two arguments numbered I and II. You have to decide which of the arguments
select the relevant option.

›nment education should be given to all adults in India.

ıdy been implemented in many countries.

velop awareness and understanding of the impact of ecological

ıer I or II is strong.

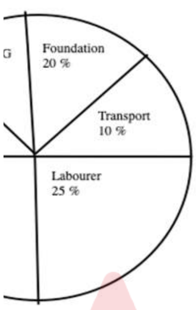
ı I and II are strong.

y argument I is strong.

y argument II is strong.

Question ID : **630680308379**
Option 1 ID : **6306801199755**
Option 2 ID : **6306801199756**
Option 3 ID : **6306801199753**
Option 4 ID : **6306801199754**
Status : **Answered**
Chosen Option : **4**

: chart shows the % distribution of the expenditure incurred in making a building. Study the pie chart
ıestions. If for a building, the builder has to pay 3,06,000 as foundation cost, then what will be the
r to be paid for this building?



:,000

,500

,500

),500

Question ID : **630680308388**
Option 1 ID : **6306801199790**
Option 2 ID : **6306801199792**
Option 3 ID : **6306801199789**
Option 4 ID : **6306801199791**
Status : **Answered**
Chosen Option : **4**

tatements and conclusions carefully. Assuming that the information given in the statements is true,
s to be at variance with commonly known facts, decide which of the given conclusions logically
e statements.

compasses.

scissors.

ins.

be scissors.

be compasses.

y conclusion II follows.

h conclusions I and II follow.

ther conclusion I nor II follows.

y conclusion I follows.

Question ID : **630680308351**
Option 1 ID : **6306801199643**
Option 2 ID : **6306801199641**
Option 3 ID : **6306801199644**
Option 4 ID : **6306801199642**
Status : **Answered**
Chosen Option : **1**

om his house towards West. After walking a distance of 25 metres he turned towards the right and
. He then turned left and moving a distance of 5 metres turned to his left again and walked 37 metres.
he left and walks 4 metres. Finally, he turns to his left. In which direction is he walking now?

t

th

th

th west

Question ID : **630680308370**
Option 1 ID : **6306801199719**
Option 2 ID : **6306801199718**
Option 3 ID : **6306801199717**
Option 4 ID : **6306801199720**
Status : **Answered**
Chosen Option : **2**

are followed by two conclusions numbered I and II. You have to consider these statements to be true,
at variance from commonly known facts. Decide which of the given conclusions logically follow/s
tement.

ange.

e purple.

e brown.

e not white.

an be white.

h conclusions I and II follow.

y conclusion I follows.

ther conclusion I nor II follows.

y conclusion II follows.

Question ID : **630680308353**
Option 1 ID : **6306801199652**
Option 2 ID : **6306801199650**
Option 3 ID : **6306801199649**
Option 4 ID : **6306801199651**
Status : **Answered**
Chosen Option : **3**

in code,

neans 'A is the mother of B'

means 'A is the sister of B'

eans 'A is the father of B'

neans 'A is the brother of B'

J X M, then how is C related to M?

the father of M.

the grandmother of M.

the brother of M.

M's father's brother.

Question ID : **630680308371**
Option 1 ID : **6306801199724**
Option 2 ID : **6306801199721**
Option 3 ID : **6306801199723**
Option 4 ID : **6306801199722**
Status : **Answered**
Chosen Option : **4**

tement followed by two courses of action numbered I and II. You have to assume everything in the
ue and based on the information given in the statement, decide which of the suggested courses of
llow(s) for pursuing.

s in the state will increase further owing to a gap between demand and supply.

:

ent should take immediate steps to stop transporting tomatoes outside the state and buy tomatoes from
supply in the state can be maintained.
be advised to reduce the consumption of tomatoes.

ther I nor II follow

y I follows

y II follows

h I and II follow

Question ID : **630680308381**
Option 1 ID : **6306801199763**
Option 2 ID : **6306801199761**
Option 3 ID : **6306801199762**
Option 4 ID : **6306801199764**
Status : **Answered**
Chosen Option : **4**

anguage, if HUGE is coded as 1225119 and FOUR is coded as 10192522. How will ALSO be coded

2319

2021

2119

2218

Question ID : **630680308362**
Option 1 ID : **6306801199686**
Option 2 ID : **6306801199688**
Option 3 ID : **6306801199687**
Option 4 ID : **6306801199685**
Status : **Answered**
Chosen Option : **1**

language, if FROM is coded as 3151210 and LIST is coded as 961617. How will HELP be coded in

14

12

13

23

Question ID : **630680308363**
Option 1 ID : **6306801199691**
Option 2 ID : **6306801199689**
Option 3 ID : **6306801199692**
Option 4 ID : **6306801199690**

ber 2004 is Sunday, then what will 12 December 2004 be?

lnesday

day

sday

lay

Question ID : **630680308358**
Option 1 ID : **6306801199671**
Option 2 ID : **6306801199670**
Option 3 ID : **6306801199669**
Option 4 ID : **6306801199672**
Status : **Answered**
Chosen Option : **1**

orning, started walking towards the North and then turn towards the opposite side of the sun. He turns
s. Which direction is he facing now?

th

th

t

t

Question ID : **630680308368**
Option 1 ID : **6306801199709**
Option 2 ID : **6306801199712**
Option 3 ID : **6306801199710**
Option 4 ID : **6306801199711**
Status : **Answered**
Chosen Option : **2**

m towards the South, then turns to the right. After walking 5 km he turns to the left and walks 5 km.
ection is he from starting point?

th

th east

th

th west

Question ID : **630680308369**
Option 1 ID : **6306801199716**
Option 2 ID : **6306801199713**
Option 3 ID : **6306801199714**
Option 4 ID : **6306801199715**
Status : **Answered**
Chosen Option : **4**

language, BACKJUMPING is coded as 9 and DOCTOR is coded as 4. How will TECHNIQUE be
guage?

Question ID : **630680308365**
Option 1 ID : **6306801199699**
Option 2 ID : **6306801199700**
Option 3 ID : **6306801199698**
Option 4 ID : **6306801199697**
Status : **Answered**
Chosen Option : **1**

combination of mathematical signs that can sequentially replace the * signs and balance the given

* 15 * 393

× – =

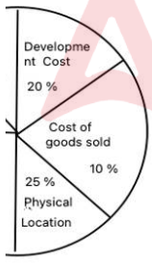
- × + =

÷ + =

- × – =

Question ID : **630680308385**
Option 1 ID : **6306801199777**
Option 2 ID : **6306801199780**
Option 3 ID : **6306801199778**
Option 4 ID : **6306801199779**
Status : **Answered**
Chosen Option : **3**

art shows the % distribution of the expenditure incurred in establishing a business. What is the central
r corresponding to the expenditure incurred on staff?



Question ID : **630680308391**
Option 1 ID : **6306801199804**
Option 2 ID : **6306801199803**
Option 3 ID : **6306801199801**

ı that is related to the third word in the same way as the second word is related to the first word

ets :: Ornithology : ?

cts

ds

sils

Question ID : **630680308375**
Option 1 ID : **6306801199740**
Option 2 ID : **6306801199737**
Option 3 ID : **6306801199739**
Option 4 ID : **6306801199738**
Status : **Answered**
Chosen Option : **3**

ave been given, out of which three are alike in some manner and one is different. Select the one that is

ːk : Needle

ːle : Arc

: Steering wheel

ı : Air

Question ID : **630680308376**
Option 1 ID : **6306801199742**
Option 2 ID : **6306801199741**
Option 3 ID : **6306801199744**
Option 4 ID : **6306801199743**
Status : **Answered**
Chosen Option : **4**

, + means ×, – means +, ÷ means –, what will come in place of the question mark?

÷ 23 – 41 = ?

Question ID : **630680308387**
Option 1 ID : **6306801199787**
Option 2 ID : **6306801199788**
Option 3 ID : **6306801199785**
Option 4 ID : **6306801199786**
Status : **Answered**
Chosen Option : **3**

are followed by three conclusions numbered I, II and III. You have to consider these statements to be
seem at variance from commonly known facts. Decide which of the given conclusions logically
given statement.

e potatoes.

onions.

ot.

be potatoes.

re tomatoes.

ıre carrots.

y conclusions I and II follow.

y conclusions II and III follows.

y conclusion II follow.

y conclusion III follows.

Question ID : **630680308352**
Option 1 ID : **6306801199645**
Option 2 ID : **6306801199648**
Option 3 ID : **6306801199646**
Option 4 ID : **6306801199647**
Status : **Answered**
Chosen Option : **3**

combination of mathematical signs that can sequentially replace the * signs and balance the given

* 17* 362

× – =

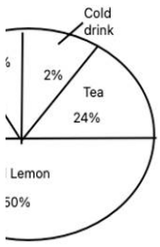
- × + =

– + =

- × – =

Question ID : **630680308386**
Option 1 ID : **6306801199782**
Option 2 ID : **6306801199783**
Option 3 ID : **6306801199784**
Option 4 ID : **6306801199781**
Status : **Answered**
Chosen Option : **3**

urvey was conducted among 400 people about their favourite beverage. The following pie chart shows
he total central for cold coffee and a cold drink?



; °

3 °

Question ID : **630680308389**
Option 1 ID : **6306801199793**
Option 2 ID : **6306801199796**
Option 3 ID : **6306801199795**
Option 4 ID : **6306801199794**
Status : **Answered**
Chosen Option : **4**

in code,

ieans 'T is the sister of U'

ieans 'T is the son of U'

ieans 'T is the husband of U'

ieans 'T is the mother of U'

+ E $ M, how is E related to W?

er

ghter

ther

ernal grandmother

Question ID : **630680308374**
Option 1 ID : **6306801199733**
Option 2 ID : **6306801199735**
Option 3 ID : **6306801199734**
Option 4 ID : **6306801199736**
Status : **Answered**
Chosen Option : **3**

› are five cousins. L is twice as old as M. N is half the age of M. L is half the age of P and N is twice
› is the youngest?

Question ID : **630680308355**
Option 1 ID : **6306801199659**
Option 2 ID : **6306801199657**
Option 3 ID : **6306801199660**
Option 4 ID : **6306801199658**
Status : **Answered**
Chosen Option : **4**

2007 is Thursday, then what will 17 January 2010 be?

ırday

.day

rsday

lay

Question ID : **630680308360**
Option 1 ID : **6306801199679**
Option 2 ID : **6306801199680**
Option 3 ID : **6306801199677**
Option 4 ID : **6306801199678**
Status : **Answered**
Chosen Option : **2**

ı in class. Max ranks ninth in class from last. If William is ninth after John and just in the middle of
›w many students are there in class?

Question ID : **630680308347**
Option 1 ID : **6306801199627**
Option 2 ID : **6306801199628**
Option 3 ID : **6306801199626**
Option 4 ID : **6306801199625**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

in code,

means 'L is father to B'

neans ' L is mother to B'

eans ' L is husband to B'

neans ' L is daughter to B'

E @ Q, how is Z related to Q?

Q's father's brother.

Q's father's sister.

Q's father's father.

Q's father's mother.

Question ID : **630680308373**
Option 1 ID : **6306801199732**
Option 2 ID : **6306801199729**
Option 3 ID : **6306801199731**
Option 4 ID : **6306801199730**
Status : **Answered**
Chosen Option : **3**

, N, O, and P travel from Adelaide individually to five cities i.e. Sydney, Melbourne, Brisbane, Perth,
by different means i.e. Ferry, Autorickshaw, bus, car, train. The one who travelled to the Gold Coast
N travelled to Brisbane by bus and O travelled by car. M travelled by autorickshaw to Melbourne and
n. Perth and Gold Coast are not connected by the Ferry route with Adelaide. Who among the
d to Gold Coast?

Question ID : **630680308350**
Option 1 ID : **6306801199639**
Option 2 ID : **6306801199638**
Option 3 ID : **6306801199640**
Option 4 ID : **6306801199637**
Status : **Not Answered**
Chosen Option : **--**

twenty-sixth from the top and forty-third from the bottom. How many students are there in class?

Question ID : **630680308392**
Option 1 ID : **6306801199805**
Option 2 ID : **6306801199808**
Option 3 ID : **6306801199807**
Option 4 ID : **6306801199806**
Status : **Answered**
Chosen Option : **3**

ave been given, out of which three are alike in some manner and one is different. Select the one that is

geon : Harrow

on : Plumbline

lptor : Chisel

ourer : Spade

Question ID : **630680308377**
Option 1 ID : **6306801199746**
Option 2 ID : **6306801199748**
Option 3 ID : **6306801199745**
Option 4 ID : **6306801199747**
Status : **Marked For Review**
Chosen Option : **2**

and pizza. Vipul ate biscuits and bread. Mamta ate bread, pizza and maggie. After having food, Vipul
ck. In light of the above facts, it can be said that the cause of sickness was:

uit

gie

ad

a

Question ID : **630680308348**
Option 1 ID : **6306801199632**
Option 2 ID : **6306801199629**
Option 3 ID : **6306801199630**
Option 4 ID : **6306801199631**
Status : **Answered**
Chosen Option : **3**

following numbers will replace the question mark (?) in the given series?

141

Question ID : **630680308384**
Option 1 ID : **6306801199773**
Option 2 ID : **6306801199775**
Option 3 ID : **6306801199776**
Option 4 ID : **6306801199774**
Status : **Answered**
Chosen Option : **2**

sitting around a circular table facing the centre. John sits third to the right of Eric and third to the left
its second to the right of Paul. Garry sits second to the left of Charles. Paul is not the neighbour of
neither a neighbour of Paul nor of Eric. Who sits second to the left of Garry?

vin

l

rles

id

Question ID : **630680308343**
Option 1 ID : **6306801199610**
Option 2 ID : **6306801199609**
Option 3 ID : **6306801199611**
Option 4 ID : **6306801199612**
Status : **Not Answered**
Chosen Option : **--**

rthwards. After a while, he turns to his right and a little further to his left. Finally, after walking 1 km
t again. In which direction is he moving now?

t

st

th

th

Question ID : **630680308366**
Option 1 ID : **6306801199703**
Option 2 ID : **6306801199701**
Option 3 ID : **6306801199702**
Option 4 ID : **6306801199704**
Status : **Answered**
Chosen Option : **2**

il 1999 is Friday, then what will 20 February 2001 be?

sday

lnesday

rsday

lay

Question ID : **630680308359**
Option 1 ID : **6306801199673**
Option 2 ID : **6306801199674**
Option 3 ID : **6306801199675**
Option 4 ID : **6306801199676**
Status : **Not Attempted and Marked For Review**
Chosen Option : --

is given an input line of words as below, it rearranges them following a particular rule in each step.
ı illustration of input and rearrangement at each step:

ɔrizon hopefully hookworm hornbill hormone hopscotch hoover

ɔrlicks horizon hopefully hookworm hormone hopscotch hoover

ıormone horlicks horizon hopefully hookworm hopscotch hoover

hormone horlicks horizon hopscotch hopefully hookworm hoover

hormone horlicks horizon hopscotch hopefully hoover hookworm

last step of rearrangement and final output. Now, based on this pattern, answer the question relating

leucocyte leprous letdown lettuce leopard leverage lessen

ons will be the 4th step?

eucocyte lettuce letterhead letdown leopard leprous lessen

eucocyte lettuce letterhead letdown lessen leprous leopard

eucocyte lettuce letterhead letdown leprous lessen leopard

eucocyte lettuce letterhead letdown leprous leopard lessen

Question ID : **630680308367**
Option 1 ID : **6306801199708**
Option 2 ID : **6306801199705**
Option 3 ID : **6306801199706**
Option 4 ID : **6306801199707**
Status : **Not Answered**
Chosen Option : --

in code,

eans 'R is the father of S'

eans 'R is the daughter of S'

eans 'R is the brother of S'

eans 'R is the wife of S'

× N × H, how is D related to H?

the daughter of H.

s aunt H's father's sister of H.

the mother of H.

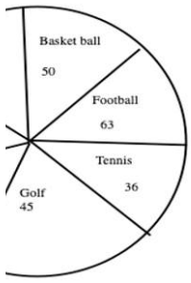
the sister of H.

Question ID : **630680308372**
Option 1 ID : **6306801199727**
Option 2 ID : **6306801199728**
Option 3 ID : **6306801199725**
Option 4 ID : **6306801199726**
Status : **Answered**
Chosen Option : **2**

anguage, BUTTON is coded as 18 and APPLY is coded as 15. How will EXPERTISE be coded in that

Question ID : **630680308364**
Option 1 ID : **6306801199694**
Option 2 ID : **6306801199693**
Option 3 ID : **6306801199695**
Option 4 ID : **6306801199696**
Status : **Answered**
Chosen Option : **2**

chart shows the spending of a country on various sports. How much extra amount is spent on football



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ɔ

ɔ

ɔ

Question ID : **630680308390**
Option 1 ID : **6306801199800**
Option 2 ID : **6306801199797**
Option 3 ID : **6306801199799**
Option 4 ID : **6306801199798**
Status : **Answered**
Chosen Option : **1**

er from among the given options that can replace the question mark (?) in the following series.

, 294

Question ID : **630680308382**
Option 1 ID : **6306801199768**
Option 2 ID : **6306801199765**
Option 3 ID : **6306801199766**
Option 4 ID : **6306801199767**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

sitting around a circular table facing the centre. Sahil is second to the left of Raj, who is to the Arjun. Surya is third to the left of Aditya. Only Laxmi is between Uma and Aditya. Who is the fourth ıa?

tya

a

il

Question ID : **630680308344**
Option 1 ID : **6306801199614**

hirag, Deepak, Manan, and Ankit are six students in a class. Babloo and Chirag are shorter than Ankit
arjun. Deepak is heavier than Babloo and taller than Chirag. Manan is shorter than Deepak but taller
is heavier than Deepak. Arjun is shorter than Manan but taller than Ankit. Who among them is the

ın

loo

nan

pak

Question ID : **630680308354**
Option 1 ID : **6306801199655**
Option 2 ID : **6306801199656**
Option 3 ID : **6306801199653**
Option 4 ID : **6306801199654**
Status : **Not Answered**
Chosen Option : **--**

il 1990 is Friday, then what will 16 October 1993 be?

ıday

sday

lay

ırday

Question ID : **630680308361**
Option 1 ID : **6306801199681**
Option 2 ID : **6306801199684**
Option 3 ID : **6306801199683**
Option 4 ID : **6306801199682**
Status : **Answered**
Chosen Option : **2**

anks ahead of Komal in a class of 93 students. If Komal's Rank is 18 from the last, what is Suman's
ırt?

Question ID : **630680308346**
Option 1 ID : **6306801199621**
Option 2 ID : **6306801199623**
Option 3 ID : **6306801199624**
Option 4 ID : **6306801199622**
Status : **Answered**
Chosen Option : **1**

old as Pranshu but twice younger as Alok. Raghav is half the age of Pranshu but twice the age of two persons form the youngest and oldest pair?

k and Abhinav

k and Raghav

k and Pranshu

ın and Alok

Question ID : **630680308356**
Option 1 ID : **6306801199664**
Option 2 ID : **6306801199661**
Option 3 ID : **6306801199663**
Option 4 ID : **6306801199662**
Status : **Answered**
Chosen Option : **1**

ven statement and decide which of the given assumptions is/are implicit in the statement.

of the patient continues to be critical even after putting on ventilator.

as not working efficiently.

the patient was already critical.

y assumption II is implicit.

h assumptions I and II are implicit.

ther assumption I nor II is implicit.

y assumption I is implicit.

Question ID : **630680308378**
Option 1 ID : **6306801199752**
Option 2 ID : **6306801199749**
Option 3 ID : **6306801199750**
Option 4 ID : **6306801199751**
Status : **Answered**
Chosen Option : **2**

ıtement followed by two courses of action numbered I and II. You have to assume everything in the
ue and based on the information given in the statement, decide which of the suggested courses of
ollow(s) for pursuing.

have gone on a mass leave in protest against the organization's new policies.

ı:

ıry action should be taken against all these employees.

on should immediately withdraw the new policies.

ther I nor II follow

y II follows

y I follows

h I and II follow

Question ID : **630680308380**
Option 1 ID : **6306801199759**
Option 2 ID : **6306801199758**
Option 3 ID : **6306801199757**
Option 4 ID : **6306801199760**
Status : **Answered**
Chosen Option : **4**

er from among the given options that can replace the question mark (?) in the following series.

0, ?

Question ID : **630680308383**
Option 1 ID : **6306801199772**
Option 2 ID : **6306801199771**
Option 3 ID : **6306801199769**
Option 4 ID : **6306801199770**
Status : **Answered**
Chosen Option : **3**

owledge

name was the Pitt's India Act passed in the year 1774 known?

ndia Company Act

ıment of India Act

r Act

lt Act

Question ID : **630680308394**
Option 1 ID : **6306801199813**
Option 2 ID : **6306801199814**
Option 3 ID : **6306801199815**
Option 4 ID : **6306801199816**
Status : **Answered**

ıe following states is the 73rd Constitutional Amendment Act related to
ti Raj system NOT applicable?

ashtra

chal Pradesh

t

alaya

Question ID : **630680308409**
Option 1 ID : **6306801199873**
Option 2 ID : **6306801199876**
Option 3 ID : **6306801199874**
Option 4 ID : **6306801199875**
Status : **Answered**
Chosen Option : **1**

ernational goals did the legendary hockey player Dhanraj Pillai score in a
ing over 15 years?

Question ID : **630680308412**
Option 1 ID : **6306801199885**
Option 2 ID : **6306801199887**
Option 3 ID : **6306801199888**
Option 4 ID : **6306801199886**
Status : **Not Answered**
Chosen Option : **--**

Committee was appointed in _____ to suggest measures to revive and
ıe declining Panchayati Raj system in India.

Question ID : **630680308407**
Option 1 ID : **6306801199866**
Option 2 ID : **6306801199867**
Option 3 ID : **6306801199868**
Option 4 ID : **6306801199865**
Status : **Answered**
Chosen Option : **4**

nt of the Yamuna River system does NOT extend to which of the es?

ra Pradesh

Bengal

radesh

hal Pradesh

Question ID : **630680308400**
Option 1 ID : **6306801199840**
Option 2 ID : **6306801199838**
Option 3 ID : **6306801199837**
Option 4 ID : **6306801199839**
Status : **Answered**
Chosen Option : **3**

e, Tarundeep Rai and Jayanta Talukdar are the famous players in India ith which game/sport?

y

ng

l

Question ID : **630680308411**
Option 1 ID : **6306801199883**
Option 2 ID : **6306801199882**
Option 3 ID : **6306801199881**
Option 4 ID : **6306801199884**
Status : **Answered**
Chosen Option : **3**

a new part IX consisting of 16 Articles was added to the Indian which envisages the Gram Sabha as the foundation of the Panchayat Raj

Question ID : **630680308406**
Option 1 ID : **6306801199864**
Option 2 ID : **6306801199862**
Option 3 ID : **6306801199863**
Option 4 ID : **6306801199861**
Status : **Answered**
Chosen Option : **4**

of India Act passed by the British government in 1915 was replaced by fence of India Act passed in which year?

Question ID : **630680308395**
Option 1 ID : **6306801199818**
Option 2 ID : **6306801199819**
Option 3 ID : **6306801199817**
Option 4 ID : **6306801199820**
Status : **Answered**
Chosen Option : **4**

ports of UN World Population Prospects (WPP)-2022, India's population o reach _____ crores by 2050.

Question ID : **630680308401**
Option 1 ID : **6306801199841**
Option 2 ID : **6306801199842**
Option 3 ID : **6306801199844**
Option 4 ID : **6306801199843**
Status : **Not Answered**
Chosen Option : **--**

hat is the total number of articles in the Indian Constitution?

Question ID : **630680308403**
Option 1 ID : **6306801199852**
Option 2 ID : **6306801199850**
Option 3 ID : **6306801199849**
Option 4 ID : **6306801199851**
Status : **Answered**
Chosen Option : **4**

he following was NOT the ruler of the Kushan empire?

ıka

Taktu

amitra

ıka I

Question ID : **630680308398**

ts of the National Investment promotion and facilitation agency in FY
a is the _____ largest importer of liquefied natural gas (LNG).

Question ID : **630680308402**
Option 1 ID : **6306801199846**
Option 2 ID : **6306801199848**
Option 3 ID : **6306801199847**
Option 4 ID : **6306801199845**
Status : **Not Answered**
Chosen Option : --

e Rastriya Khel Protsahan Puruskar instituted in India?

Question ID : **630680308410**
Option 1 ID : **6306801199877**
Option 2 ID : **6306801199880**
Option 3 ID : **6306801199878**
Option 4 ID : **6306801199879**
Status : **Not Answered**
Chosen Option : --

men Members of Parliament have been elected to the 17th Lok Sabha?

Question ID : **630680308405**
Option 1 ID : **6306801199858**
Option 2 ID : **6306801199859**
Option 3 ID : **6306801199857**
Option 4 ID : **6306801199860**
Status : **Not Answered**
Chosen Option : --

as the court poet of which Indian king?

avardhana

adevaraya

dra Gupta

a

Question ID : **630680308397**
Option 1 ID : **6306801199826**

he following is one of the founders of the 'Deoband' movement in 1866?

Besant

Derozio

ı Shastri

d Ahamad Gangohi

Question ID : **630680308396**
Option 1 ID : **6306801199822**
Option 2 ID : **6306801199823**
Option 3 ID : **6306801199824**
Option 4 ID : **6306801199821**
Status : **Not Answered**
Chosen Option : **--**

stitutional Amendment Act provides that NOT less than _____ of the total fices for chairperson at all levels of the panchayat be reserved for

urth

ird

ıth

:h

Question ID : **630680308408**
Option 1 ID : **6306801199870**
Option 2 ID : **6306801199872**
Option 3 ID : **6306801199871**
Option 4 ID : **6306801199869**
Status : **Not Answered**
Chosen Option : **--**

an National Park in West Bengal is reserved for which animal?

ɔ Deer

ıar

:eros

Question ID : **630680308399**
Option 1 ID : **6306801199833**
Option 2 ID : **6306801199834**
Option 3 ID : **6306801199836**
Option 4 ID : **6306801199835**
Status : **Not Answered**
Chosen Option : **--**

he following was the last ruler of the Mughal empire?

lur Shah II

ir II

ılam II

d Shah Bahadur

Question ID : **630680308393**

of the Indian Constitution says that the Comptroller and Auditor General eligible for further office either under the Government of India or under ent of any State after he has ceased to hold his office?

148

158

138

128

Question ID : **630680308404**
Option 1 ID : **6306801199855**
Option 2 ID : **6306801199856**
Option 3 ID : **6306801199854**
Option 4 ID : **6306801199853**
Status : **Not Answered**
Chosen Option : **--**

glish

k with correct preposition.

eed that report from you by the end _____ the day.

ls

Question ID : **630680308443**
Option 1 ID : **6306801200010**
Option 2 ID : **6306801200011**
Option 3 ID : **6306801200009**
Option 4 ID : **6306801200012**
Status : **Answered**
Chosen Option : **2**

k choosing the appropriate word in the context of the sentence.

ndedly _____ the full burden of raising three children after her husband

dered

l

d

dered

Question ID : **630680308436**
Option 1 ID : **6306801199982**
Option 2 ID : **6306801199981**
Option 3 ID : **6306801199983**
Option 4 ID : **6306801199984**
Status : **Answered**
Chosen Option : **4**

tion closest in meaning to the given word.

ish

se

l

e

Question ID : **630680308418**
Option 1 ID : **6306801199912**
Option 2 ID : **6306801199911**
Option 3 ID : **6306801199909**
Option 4 ID : **6306801199910**
Status : **Answered**
Chosen Option : **1**

sentences P, Q, R and S in the correct sequence to form a coherent

nd is trying to develop clear national priorities and comprehensive
attract a larger number of international students.
broad is a common practice whether the experience is short-term or

ternational student enrollment is less than 2 percent of the total number
institutions of higher education.
tegies include centralized planning, cooperative efforts between
and education, funding for outreach programs and simplified visa and
olication processes.

Question ID : **630680308433**
Option 1 ID : **6306801199969**
Option 2 ID : **6306801199970**
Option 3 ID : **6306801199972**
Option 4 ID : **6306801199971**
Status : **Answered**
Chosen Option : **4**

rrectly spelt word.

able

cable

eable

cable

Question ID : **630680308422**
Option 1 ID : **6306801199927**
Option 2 ID : **6306801199928**
Option 3 ID : **6306801199925**
Option 4 ID : **6306801199926**
Status : **Answered**
Chosen Option : **2**

sentences P, Q, R and S in the correct sequence to form a coherent

ıve, therefore, started moving outwards from the sanctuary and
ıomes outside the protected areas.
: lion prides require large territories but there is limited space at the Gir
ıary.
ution of Asiatic lion, once found widely in West and South Asia, dwindled
pulation in the Gir Forest National Park and Wildlife Sanctuary in India.
ıtion at Gir declined to 18 animals in 1893 but increased due to protection
ıtion efforts to 284 in 1994.

Question ID : **630680308430**
Option 1 ID : **6306801199960**
Option 2 ID : **6306801199958**
Option 3 ID : **6306801199957**
Option 4 ID : **6306801199959**
Status : **Answered**
Chosen Option : **4**

ıtion closest in meaning to the given word.

e

n

e

ain

Question ID : **630680308419**
Option 1 ID : **6306801199914**
Option 2 ID : **6306801199915**
Option 3 ID : **6306801199913**
Option 4 ID : **6306801199916**
Status : **Answered**
Chosen Option : **2**

last parts of a sentence are numbered 1 and 6 respectively. The rest of
is split into four parts P, Q, R and S. Arrange these jumbled parts in the
r to form a meaningful sentence.

t of technology
ınology has made learning more interactive
ɔrative helping people better engage
d a great impact on society
ıterial that they are learning and
le with.

Question ID : **630680308426**
Option 1 ID : **6306801199943**

k choosing the appropriate word in the context of the sentence.

at old air conditioner _____ through this heat wave.

in

from

for

up

Question ID : **630680308438**
Option 1 ID : **6306801199992**
Option 2 ID : **6306801199991**
Option 3 ID : **6306801199989**
Option 4 ID : **6306801199990**
Status : **Answered**
Chosen Option : **2**

arts P, Q, R and S in the correct sequence to form a meaningful

gy for New India @ 75' captures a key
:cruing to them in the form of better ease of living
rom the Prime Minister that development must become a mass

ery Indian recognizes their role and also experiences the tangible

Question ID : **630680308427**
Option 1 ID : **6306801199947**
Option 2 ID : **6306801199945**
Option 3 ID : **6306801199948**
Option 4 ID : **6306801199946**
Status : **Answered**
Chosen Option : **2**

rrectly spelt word.

stance

stence

tance

ence

Question ID : **630680308423**
Option 1 ID : **6306801199930**
Option 2 ID : **6306801199932**
Option 3 ID : **6306801199931**
Option 4 ID : **6306801199929**
Status : **Answered**
Chosen Option : **4**

arts P, Q, R and S in the correct sequence to form a meaningful

eaders who were coming
respects before the inauguration
pleasantly besieged by dignitaries
t few days

Question ID : **630680308428**
Option 1 ID : **6306801199952**
Option 2 ID : **6306801199951**
Option 3 ID : **6306801199949**
Option 4 ID : **6306801199950**
Status : **Answered**
Chosen Option : **2**

rrect antonym of the given word.

der

inal

Question ID : **630680308417**
Option 1 ID : **6306801199905**
Option 2 ID : **6306801199907**
Option 3 ID : **6306801199906**
Option 4 ID : **6306801199908**
Status : **Answered**
Chosen Option : **2**

entences P, Q, R and S in the correct sequence to form a coherent

ad south past the Sahara very slowly, especially compared with its sweep
Africa.
s fact, the traditional beliefs have not completely disappeared.
l of Islam overshadowed many indigenous (or native) religions, myths,
of sub-Saharan Africa.
modern era, Africans south of the Sahara had relatively little contact with
e world.

Question ID : **630680308434**
Option 1 ID : **6306801199975**
Option 2 ID : **6306801199973**
Option 3 ID : **6306801199976**
Option 4 ID : **6306801199974**

rrect antonym of the given word.

e

ade

ate

Question ID : **630680308414**
Option 1 ID : **6306801199895**
Option 2 ID : **6306801199896**
Option 3 ID : **6306801199894**
Option 4 ID : **6306801199893**
Status : **Answered**
Chosen Option : **1**

k choosing the appropriate word in the context of the sentence.

a _____ time coping with her friend's death.

ng

lt

Question ID : **630680308441**
Option 1 ID : **6306801200003**
Option 2 ID : **6306801200002**
Option 3 ID : **6306801200004**
Option 4 ID : **6306801200001**
Status : **Answered**
Chosen Option : **3**

k with correct preposition.

bit hole is what the animal digs _____ its home.

Question ID : **630680308444**
Option 1 ID : **6306801200015**
Option 2 ID : **6306801200013**
Option 3 ID : **6306801200016**
Option 4 ID : **6306801200014**
Status : **Answered**
Chosen Option : **1**

sentences P, Q, R and S in the correct sequence to form a coherent

is pulled away (reflex) when the user pushes the button to take a picture
ht to hit the sensor behind the mirror.
as are bigger and usually more expensive.
se features SLR cameras offer excellent image quality.
alled Single Lens Reflex, because you see through the lens attached to
he light is reflected by a mirror through a prism and then the viewfinder.

Question ID : **630680308431**
Option 1 ID : **6306801199963**
Option 2 ID : **6306801199961**
Option 3 ID : **6306801199964**
Option 4 ID : **6306801199962**
Status : **Answered**
Chosen Option : **1**

rrectly spelt word from the given options.

aid obsesance to their coach.

nce

ance

ice

ance

Question ID : **630680308425**
Option 1 ID : **6306801199937**
Option 2 ID : **6306801199940**
Option 3 ID : **6306801199938**
Option 4 ID : **6306801199939**
Status : **Answered**
Chosen Option : **2**

ntence with the correct use of preposition. If there is no error, select

esembles with her aunt in physical features.

osely resembles in her aunt in physical features.

osely resembles her aunt in physical features.

osely resembles to her aunt in physical features.

or

Question ID : **630680308449**
Option 1 ID : **6306801200035**
Option 2 ID : **6306801200033**
Option 3 ID : **6306801200034**
Option 4 ID : **6306801200036**
Status : **Answered**
Chosen Option : **2**

k with the correct option.

s been criticized for failing _____ heed warnings about lack of safety

|

Question ID : **630680308450**
Option 1 ID : **6306801200040**
Option 2 ID : **6306801200037**
Option 3 ID : **6306801200039**
Option 4 ID : **6306801200038**
Status : **Answered**
Chosen Option : **2**

ntence with the correct use of preposition. If there is no error, select

he window and stuck her head out.

ened the window and stuck her head between.

ened the window and stuck her head around.

or

ened the window and stuck her head about.

Question ID : **630680308451**
Option 1 ID : **6306801200042**
Option 2 ID : **6306801200041**
Option 3 ID : **6306801200044**
Option 4 ID : **6306801200043**
Status : **Answered**
Chosen Option : **2**

rrect antonym of the given word.

able

Question ID : **630680308415**
Option 1 ID : **6306801199898**
Option 2 ID : **6306801199899**
Option 3 ID : **6306801199897**
Option 4 ID : **6306801199900**
Status : **Not Answered**
Chosen Option : **--**

k with correct preposition.

an inch long _____ his left eye.

it

Question ID : **630680308445**
Option 1 ID : **6306801200020**
Option 2 ID : **6306801200018**
Option 3 ID : **6306801200019**
Option 4 ID : **6306801200017**
Status : **Answered**
Chosen Option : **2**

ntence with the correct use of preposition. If there is no error, select

e neighborhood to live.

or

t a safe neighborhood to live on.

t a safe neighborhood to live for.

ot a safe neighborhood to live in.

Question ID : **630680308452**
Option 1 ID : **6306801200048**
Option 2 ID : **6306801200046**
Option 3 ID : **6306801200045**
Option 4 ID : **6306801200047**
Status : **Answered**
Chosen Option : **4**

k choosing the appropriate word in the context of the sentence.

ture _____ to 100 degrees.

d

d

ed

Question ID : **630680308435**
Option 1 ID : **6306801199980**
Option 2 ID : **6306801199978**
Option 3 ID : **6306801199979**
Option 4 ID : **6306801199977**
Status : **Answered**
Chosen Option : **2**

rrect antonym of the given word.

nse

e

Question ID : **630680308413**
Option 1 ID : **6306801199889**
Option 2 ID : **6306801199892**
Option 3 ID : **6306801199890**
Option 4 ID : **6306801199891**
Status : **Answered**
Chosen Option : **4**

k with the correct preposition.

ere conquered _____ the Norman people in 1066.

Question ID : **630680308446**
Option 1 ID : **6306801200022**
Option 2 ID : **6306801200021**
Option 3 ID : **6306801200024**
Option 4 ID : **6306801200023**
Status : **Answered**
Chosen Option : **2**

rrectly spelt word.

ning

ning

ing

ng

Question ID : **630680308420**
Option 1 ID : **6306801199918**
Option 2 ID : **6306801199920**
Option 3 ID : **6306801199917**
Option 4 ID : **6306801199919**
Status : **Answered**
Chosen Option : **4**

rrectly spelt word.

ate

iate

te

ate

Question ID : **630680308421**
Option 1 ID : **6306801199921**
Option 2 ID : **6306801199923**
Option 3 ID : **6306801199922**
Option 4 ID : **6306801199924**
Status : **Answered**
Chosen Option : **2**

k choosing the appropriate word in the context of the sentence.

overnment extended its _____ over its colonies.

tion

Question ID : **630680308437**
Option 1 ID : **6306801199987**
Option 2 ID : **6306801199985**
Option 3 ID : **6306801199988**
Option 4 ID : **6306801199986**
Status : **Answered**
Chosen Option : **1**

k with correct preposition.

ind _____ your grave mistakes.

Question ID : **630680308442**
Option 1 ID : **6306801200005**
Option 2 ID : **6306801200008**
Option 3 ID : **6306801200007**
Option 4 ID : **6306801200006**
Status : **Answered**
Chosen Option : **2**

sentences P, Q, R and S in the correct sequence to form a coherent

f poverty in India is increasing because of the increase in the urban

ese people find an underpaid job or an activity that pays only for their

und crores of urban people are below the poverty line and many of the
n the borderline of poverty.
eople are migrating to cities to find better employment.

Question ID : **630680308432**
Option 1 ID : **6306801199967**
Option 2 ID : **6306801199968**
Option 3 ID : **6306801199965**
Option 4 ID : **6306801199966**
Status : **Answered**
Chosen Option : **3**

k choosing the appropriate word in the context of the sentence.

vas a totally _____ waste of public money.

ounced

umed

ranted

ured

Question ID : **630680308439**
Option 1 ID : **6306801199994**
Option 2 ID : **6306801199995**
Option 3 ID : **6306801199993**
Option 4 ID : **6306801199996**
Status : **Answered**
Chosen Option : **4**

k with the correct preposition.

el the train coming because the ground _____ her feet was shaking.

it

Question ID : **630680308447**
Option 1 ID : **6306801200026**
Option 2 ID : **6306801200025**
Option 3 ID : **6306801200027**
Option 4 ID : **6306801200028**
Status : **Answered**
Chosen Option : **3**

sentences P, Q, R and S in the correct sequence to form a coherent

e/gains generated from this collective investment is distributed
ly amongst the investors after deducting certain expenses.
ests the money in equities, bonds, money market instruments and/or
ies.
tor owns units, which represent a portion of the holdings of the fund.
d is a trust that collects money from several investors who share a
stment objective.

Question ID : **630680308429**
Option 1 ID : **6306801199954**
Option 2 ID : **6306801199955**
Option 3 ID : **6306801199953**
Option 4 ID : **6306801199956**
Status : **Answered**
Chosen Option : **4**

k with the correct option.

e back _____ my mind to call José for several days now, but I haven't got
t.

Question ID : **630680308448**
Option 1 ID : **6306801200032**
Option 2 ID : **6306801200031**
Option 3 ID : **6306801200029**
Option 4 ID : **6306801200030**
Status : **Answered**
Chosen Option : **4**

k choosing the appropriate word in the context of the sentence.

_____ as he spoke.

Question ID : **630680308440**
Option 1 ID : **6306801199998**
Option 2 ID : **6306801199999**
Option 3 ID : **6306801200000**
Option 4 ID : **6306801199997**
Status : **Answered**
Chosen Option : **3**

rrect antonym of the given word.

ty

nce

ess

ity

Question ID : **630680308416**
Option 1 ID : **6306801199904**
Option 2 ID : **6306801199902**
Option 3 ID : **6306801199901**
Option 4 ID : **6306801199903**
Status : **Answered**
Chosen Option : **4**

rrectly spelt word.

nce

nce

nce

nce

Question ID : **630680308424**
Option 1 ID : **6306801199935**
Option 2 ID : **6306801199933**
Option 3 ID : **6306801199936**
Option 4 ID : **6306801199934**
Status : **Answered**
Chosen Option : **3**

ion:

age and answer the questions that follow.

World Health Organization report, about 80 per cent of the world population
al medicine systems in some or the other way. India has a distinctive and
nal medicine base, with each system having its own ancient philosophy,
wledge, perception, and practices that align with the regional cultures,
beliefs. The traditional medicine systems in India include Ayurveda, Yoga,
Jnani, Siddha, Sowa Rigpa, and Homeopathy which is known as Ayush. All
s were formulated, practised, and perfected in a continuum much before the
lern health science.
tries of the world, medical pluralism is the norm, and traditional medicine is
est means to achieve total healthcare coverage for the world population using
fe, and economically-feasible methods. No system of medicine can single-
ess all health concerns, but an integrative approach incorporating the
ich can surely benefit mankind. The holistic patient-centered and
approach is the trademark of traditional systems and enables the patient-
nership to design or customize treatment and lifestyle advice in order to
ghest potential for well-being. This awareness combined with the increase in
nal medicine has brought the systems to the fore. The diverse activities
he provision of prophylactic care to the management of disease and the
mentation and integration of Ayush system to the public healthcare during
has garnered global attention to Ayush systems.

No : 41

following word mean the same as the word "Garner" given in the

s

r

guish

Question ID : **630680308458**
Option 1 ID : **6306801200067**
Option 2 ID : **6306801200065**
Option 3 ID : **6306801200066**
Option 4 ID : **6306801200068**
Status : **Answered**
Chosen Option : **1**

ion:

age and answer the questions that follow.

World Health Organization report, about 80 per cent of the world population
al medicine systems in some or the other way. India has a distinctive and
nal medicine base, with each system having its own ancient philosophy,
wledge, perception, and practices that align with the regional cultures,
beliefs. The traditional medicine systems in India include Ayurveda, Yoga,
Jnani, Siddha, Sowa Rigpa, and Homeopathy which is known as Ayush. All
s were formulated, practised, and perfected in a continuum much before the
lern health science.
tries of the world, medical pluralism is the norm, and traditional medicine is
est means to achieve total healthcare coverage for the world population using
fe, and economically-feasible methods. No system of medicine can single-
ess all health concerns, but an integrative approach incorporating the
ich can surely benefit mankind. The holistic patient-centered and
approach is the trademark of traditional systems and enables the patient-
nership to design or customize treatment and lifestyle advice in order to
ghest potential for well-being. This awareness combined with the increase in
nal medicine has brought the systems to the fore. The diverse activities
he provision of prophylactic care to the management of disease and the
mentation and integration of Ayush system to the public healthcare during
has garnered global attention to Ayush systems.

No : 42

al pluralism important?

ordination and collaboration at various levels of healthcare

vide inflated medical services to all

ner global attention

egrate Ayush systems in public healthcare

Question ID : **630680308456**
Option 1 ID : **6306801200060**
Option 2 ID : **6306801200059**
Option 3 ID : **6306801200057**
Option 4 ID : **6306801200058**
Status : **Answered**
Chosen Option : **1**

ion:

age and answer the questions that follow.

World Health Organization report, about 80 per cent of the world population
al medicine systems in some or the other way. India has a distinctive and
nal medicine base, with each system having its own ancient philosophy,
wledge, perception, and practices that align with the regional cultures,
beliefs. The traditional medicine systems in India include Ayurveda, Yoga,
Jnani, Siddha, Sowa Rigpa, and Homeopathy which is known as Ayush. All
s were formulated, practised, and perfected in a continuum much before the
lern health science.
tries of the world, medical pluralism is the norm, and traditional medicine is
est means to achieve total healthcare coverage for the world population using
fe, and economically-feasible methods. No system of medicine can single-
ess all health concerns, but an integrative approach incorporating the
ich can surely benefit mankind. The holistic patient-centered and
approach is the trademark of traditional systems and enables the patient-
nership to design or customize treatment and lifestyle advice in order to
ghest potential for well-being. This awareness combined with the increase in
nal medicine has brought the systems to the fore. The diverse activities
he provision of prophylactic care to the management of disease and the
mentation and integration of Ayush system to the public healthcare during
has garnered global attention to Ayush systems.

No : 43

following statement is true according to the passage?

ional Medicine System can work in consonance with modern health science.

onal Medicine System is not acceptable and safe in all countries.

onal Medicine System does not heed to the cultural beliefs of an individual.

onal Medicine System has a reductionist approach to healthcare

Question ID : **630680308457**
Option 1 ID : **6306801200061**
Option 2 ID : **6306801200062**
Option 3 ID : **6306801200063**
Option 4 ID : **6306801200064**
Status : **Answered**
Chosen Option : **1**

ion:

age and answer the questions that follow.

World Health Organization report, about 80 per cent of the world population
al medicine systems in some or the other way. India has a distinctive and
nal medicine base, with each system having its own ancient philosophy,
wledge, perception, and practices that align with the regional cultures,
beliefs. The traditional medicine systems in India include Ayurveda, Yoga,
Jnani, Siddha, Sowa Rigpa, and Homeopathy which is known as Ayush. All
s were formulated, practised, and perfected in a continuum much before the
lern health science.
tries of the world, medical pluralism is the norm, and traditional medicine is
est means to achieve total healthcare coverage for the world population using
fe, and economically-feasible methods. No system of medicine can single-
ess all health concerns, but an integrative approach incorporating the
ich can surely benefit mankind. The holistic patient-centered and
approach is the trademark of traditional systems and enables the patient-
nership to design or customize treatment and lifestyle advice in order to
ghest potential for well-being. This awareness combined with the increase in
nal medicine has brought the systems to the fore. The diverse activities
he provision of prophylactic care to the management of disease and the
mentation and integration of Ayush system to the public healthcare during
has garnered global attention to Ayush systems.

No : 44

ble title for the passage:

nent and Illness

concerns in India

l Provisions

ional Medicine Systems

Question ID : **630680308454**
Option 1 ID : **6306801200052**
Option 2 ID : **6306801200051**
Option 3 ID : **6306801200050**
Option 4 ID : **6306801200049**
Status : **Answered**
Chosen Option : **4**

ion:

age and answer the questions that follow.

World Health Organization report, about 80 per cent of the world population
al medicine systems in some or the other way. India has a distinctive and
nal medicine base, with each system having its own ancient philosophy,
wledge, perception, and practices that align with the regional cultures,
beliefs. The traditional medicine systems in India include Ayurveda, Yoga,
Jnani, Siddha, Sowa Rigpa, and Homeopathy which is known as Ayush. All
s were formulated, practised, and perfected in a continuum much before the
lern health science.
tries of the world, medical pluralism is the norm, and traditional medicine is
est means to achieve total healthcare coverage for the world population using
fe, and economically-feasible methods. No system of medicine can single-
ess all health concerns, but an integrative approach incorporating the
ich can surely benefit mankind. The holistic patient-centered and
approach is the trademark of traditional systems and enables the patient-
nership to design or customize treatment and lifestyle advice in order to
ghest potential for well-being. This awareness combined with the increase in
nal medicine has brought the systems to the fore. The diverse activities
he provision of prophylactic care to the management of disease and the
mentation and integration of Ayush system to the public healthcare during
has garnered global attention to Ayush systems.

No : 45

endorses traditional medicine systems due to following reasons:

nly integrates the multidimensional aspects of wellness, but also employs
oach for all patients.

ly is it an economically feasible method but can also address all health
le handedly.

icker than the modern health science methods and came into practice much

ly does it provide treatment for illnesses but also suggests lifestyle changes
of individuals in the longer run.

Question ID : **630680308455**
Option 1 ID : **6306801200054**
Option 2 ID : **6306801200053**
Option 3 ID : **6306801200056**
Option 4 ID : **6306801200055**
Status : **Answered**
Chosen Option : **1**

ion:

age and answer the questions that follow.

new assessment from the Intergovernmental Panel on Climate Change was prepared by the world's foremost climate scientists, rising temperatures astrophic weather extremes also resulting in rising sea levels in the coming ort states that human activity is "unambiguously" to blame for more severe such as heatwaves, floods, and droughts, and attaining net-zero as emissions by 2050 is a must. As outlined in the Paris Agreement, it was p the global temperature change to 1.5°C. Despite the fact that Southeast s are expected to be among the most hit by climate change, the majority of vernments lack carbon reduction policies that will effectively decrease the nate hazards.
rising faster than elsewhere, and shorelines are retreating in coastal areas lion people reside, even though Southeast Asia is expected to warm slightly global average.
new study, rising seas are expected to cost Asia's largest cities billions of nage this decade, with the impact magnified by tectonic shifts and the of groundwater removal. It is evident that limiting global warming to 1.5°C is nge that can only be met if urgent worldwide action is taken to cut as emissions and conserve and restore ecosystems. Our response to climate d begin with a focus on priorities like expanding the use of clean and rgy. Due to its strong reliance on coal, India has risen to become the world's t greenhouse gas emitter, despite the fact that per capita and per unit of as emissions in India remain the lowest among the other developing orldwide standards.

No : 46

following statements is correct according to the given passage?

enhouse gas emissions rise countries should effectively expand severity of ds.

enhouse gas emissions rise world leaders should pledge to exceed global nange from 1.5°C to 3°C.

enhouse gas emissions rise the countries need to switch to clean energy

enhouse gas emissions rise coal should remain dominant source of energy.

Question ID : **630680308462**
Option 1 ID : **6306801200079**
Option 2 ID : **6306801200080**
Option 3 ID : **6306801200077**
Option 4 ID : **6306801200078**
Status : **Not Answered**
Chosen Option : **--**

ion:

age and answer the questions that follow.

new assessment from the Intergovernmental Panel on Climate Change was prepared by the world's foremost climate scientists, rising temperatures astrophic weather extremes also resulting in rising sea levels in the coming ort states that human activity is "unambiguously" to blame for more severe such as heatwaves, floods, and droughts, and attaining net-zero as emissions by 2050 is a must. As outlined in the Paris Agreement, it was p the global temperature change to 1.5°C. Despite the fact that Southeast s are expected to be among the most hit by climate change, the majority of vernments lack carbon reduction policies that will effectively decrease the nate hazards.
rising faster than elsewhere, and shorelines are retreating in coastal areas lion people reside, even though Southeast Asia is expected to warm slightly global average.
new study, rising seas are expected to cost Asia's largest cities billions of nage this decade, with the impact magnified by tectonic shifts and the of groundwater removal. It is evident that limiting global warming to 1.5°C is nge that can only be met if urgent worldwide action is taken to cut as emissions and conserve and restore ecosystems. Our response to climate d begin with a focus on priorities like expanding the use of clean and rgy. Due to its strong reliance on coal, India has risen to become the world's t greenhouse gas emitter, despite the fact that per capita and per unit of as emissions in India remain the lowest among the other developing orldwide standards.

No : 47

vord which is opposite in meaning to the word "unambiguously" selected sage.

tly

ly

pherably

Question ID : **630680308464**
Option 1 ID : **6306801200086**
Option 2 ID : **6306801200085**
Option 3 ID : **6306801200087**
Option 4 ID : **6306801200088**
Status : **Answered**
Chosen Option : **3**

ion:

age and answer the questions that follow.

new assessment from the Intergovernmental Panel on Climate Change was prepared by the world's foremost climate scientists, rising temperatures astrophic weather extremes also resulting in rising sea levels in the coming ort states that human activity is "unambiguously" to blame for more severe such as heatwaves, floods, and droughts, and attaining net-zero as emissions by 2050 is a must. As outlined in the Paris Agreement, it was p the global temperature change to 1.5°C. Despite the fact that Southeast s are expected to be among the most hit by climate change, the majority of vernments lack carbon reduction policies that will effectively decrease the nate hazards.
rising faster than elsewhere, and shorelines are retreating in coastal areas lion people reside, even though Southeast Asia is expected to warm slightly global average.
new study, rising seas are expected to cost Asia's largest cities billions of nage this decade, with the impact magnified by tectonic shifts and the of groundwater removal. It is evident that limiting global warming to 1.5°C is nge that can only be met if urgent worldwide action is taken to cut as emissions and conserve and restore ecosystems. Our response to climate d begin with a focus on priorities like expanding the use of clean and rgy. Due to its strong reliance on coal, India has risen to become the world's t greenhouse gas emitter, despite the fact that per capita and per unit of as emissions in India remain the lowest among the other developing orldwide standards.

No : 48

egin to focus on cutting down on greenhouse gas emission, it will:

te clean technology and renewable energy development.

collaboration with industry associations, domestic banks, and specialized cy agencies.

sustainable economic growth.

damage to both our natural resources and economy.

Question ID : **630680308463**
Option 1 ID : **6306801200084**
Option 2 ID : **6306801200083**
Option 3 ID : **6306801200081**
Option 4 ID : **6306801200082**
Status : **Not Answered**
Chosen Option : --

ion:

age and answer the questions that follow.

new assessment from the Intergovernmental Panel on Climate Change was prepared by the world's foremost climate scientists, rising temperatures astrophic weather extremes also resulting in rising sea levels in the coming ort states that human activity is "unambiguously" to blame for more severe such as heatwaves, floods, and droughts, and attaining net-zero as emissions by 2050 is a must. As outlined in the Paris Agreement, it was p the global temperature change to 1.5°C. Despite the fact that Southeast s are expected to be among the most hit by climate change, the majority of vernments lack carbon reduction policies that will effectively decrease the nate hazards.
rising faster than elsewhere, and shorelines are retreating in coastal areas lion people reside, even though Southeast Asia is expected to warm slightly global average.
new study, rising seas are expected to cost Asia's largest cities billions of nage this decade, with the impact magnified by tectonic shifts and the of groundwater removal. It is evident that limiting global warming to 1.5°C is nge that can only be met if urgent worldwide action is taken to cut as emissions and conserve and restore ecosystems. Our response to climate d begin with a focus on priorities like expanding the use of clean and rgy. Due to its strong reliance on coal, India has risen to become the world's st greenhouse gas emitter, despite the fact that per capita and per unit of as emissions in India remain the lowest among the other developing orldwide standards.

No : 49

mperature will result in:

se in carbon emissions by 3.3 per cent each year.

ominated power generation around the world

sea levels

o Greenhouse gas emissions

Question ID : **630680308460**
Option 1 ID : **6306801200072**
Option 2 ID : **6306801200071**
Option 3 ID : **6306801200069**
Option 4 ID : **6306801200070**
Status : **Answered**
Chosen Option : **2**

ion:

age and answer the questions that follow.

new assessment from the Intergovernmental Panel on Climate Change was prepared by the world's foremost climate scientists, rising temperatures astrophic weather extremes also resulting in rising sea levels in the coming ort states that human activity is "unambiguously" to blame for more severe such as heatwaves, floods, and droughts, and attaining net-zero as emissions by 2050 is a must. As outlined in the Paris Agreement, it was p the global temperature change to 1.5°C. Despite the fact that Southeast s are expected to be among the most hit by climate change, the majority of vernments lack carbon reduction policies that will effectively decrease the nate hazards.
rising faster than elsewhere, and shorelines are retreating in coastal areas lion people reside, even though Southeast Asia is expected to warm slightly global average.
new study, rising seas are expected to cost Asia's largest cities billions of nage this decade, with the impact magnified by tectonic shifts and the of groundwater removal. It is evident that limiting global warming to 1.5°C is nge that can only be met if urgent worldwide action is taken to cut as emissions and conserve and restore ecosystems. Our response to climate d begin with a focus on priorities like expanding the use of clean and rgy. Due to its strong reliance on coal, India has risen to become the world's t greenhouse gas emitter, despite the fact that per capita and per unit of as emissions in India remain the lowest among the other developing orldwide standards.

No : 50

or unpreparedness of South Asian Countries like India in face of climate

nent of net-zero greenhouse gas emissions

sea level and retreating shorelines

sence as planet's most vulnerable region prone to climate change

cient carbon reduction policies by government

Question ID : **630680308461**
Option 1 ID : **6306801200073**
Option 2 ID : **6306801200076**
Option 3 ID : **6306801200074**
Option 4 ID : **6306801200075**
Status : **Answered**
Chosen Option : **4**