## GSECL JE

## Previous Year Paper Civil 2018

## GENERAL KNOWLEDGE - GENERAL KNOWLEDGE

## Question No. 1

When was the French East India Company established?
1500-(Alternative 2 )
1600-(Alternative 3 )
1725-(Alternative 4 )
-1664-(Alternative 1)

Question No. 2
Bookmark
Which among the following is a sexually transmitted bacterial disease?
Herpes - (Alternative 3 )

- Hepatitis - (Alternative 4 )

Syphilis - (Alternative 2 )

- AIDS - (Alternative 1 )


## Question No. 3

## Bookmark

Which of the following actors received the 24th Crystal award at the World Economic Forum?
Cate Blanchett - (Alternative 2 )

- Aamir Khan - (Alternative 4 )

Shah Rukh Khan - (Alternative 3 )

- Emma Stone - (Alternative 1)

Question No. 4
COPD is caused by inhaling $\qquad$ .

Crystalline silica particles - (Alternative 4 )
Fluorinated gases - (Alternative 3 )
Carbon Dust - (Alternative 2 )
Carbon dioxide - (Alternative 1 )

## Question No. 5

Which country had the maximum Foreign direct investment (FDI) inflows in India in 2017?

- Japan - (Alternative 4 )

Singapore - (Alternative 1 )
Mauritius - (Alternative 2 )

- USA - (Alternative 3 )


## Question No. 6

In the Mughal dynasty, who was the ruler of the darkened period of their history?
Mohammed Sahib - (Alternative 1 )
Aurangzeb - (Alternative 3 )

- Mohammad Shabeer - (Alternative 2 )

Akbar - (Alternative 4 )

## Question No. 7

## Bookmark

Which was the first ship of the East India Company that entered into India through Gujarat?
Hector - (Alternative 1)

```
Grappler - (Alternative 2)
RMS Andes - (Alternative 3 )
None of these - (Alternative 4)
```


## Question No. 8

1.00

After the economic liberalisation of 1991, India achieved an average GDP annual growth of $\qquad$ .
3-4\% - (Alternative 4 )
6-7\% - (Alternative 1 )
4-5\% - (Alternative 3 )
5-7\% - (Alternative 2 )

Question No. 9
Which among the following continents covers all the 4 hemispheres of the Earth?
Asia - (Alternative 2 )

- Europe - (Alternative 3 )

Africa - (Alternative 1 )

- America - (Alternative 4 )

Question No. 10
Which of Rachel Morrison's films was nominated for an Oscar?
Rikers High - (Alternative 1 )
Mudbound - (Alternative 3)
Sound of my voice - (Alternative 4 )
Honoree - (Alternative 2 )

## ENGLISH KNOWLEDGE - ENGLISH KNOWLEDGE

Question No. 1
Identify the part of the sentence which contains an error:-
Ram did not like (1)/leaving his old grandparents alone in the house (2)/ but he had no alternative (3)/ as he has to go out to work (4)/ No error (5)

5-(Alternative 4 )
1-(Alternative 2 )
4-(Alternative 1)
3-(Alternative 3)

## Question No. 2

Choose the correct sequence from the given options by rearranging the sentences to form a meaningful passage:-
1.In 1856, a very famous burglary called the Cornhill burglary took place in England and the demand for burglar proof safes increased.
2. The interesting thing is that it is still in demand for the safe-keeping of diamonds because it is the only drillproof safe known to date.
3. The attempt to keep one's treasures in a specially protected place away from all harm is natural to all creatures.
4. A safe has now come to mean any large room or box which is used to keep valuables secure.
5. Human beings developed a 'safe' over a long period of time after much trial and error.
6. In 1860, a patent was taken out by safe manufacturer called Samuel Charewood for a new and improved safe.

354162 - (Alternative 2 )
162354-(Alternative 4 )
354126 - (Alternative 3 )
-345162-(Alternative 1)

## Question No. 3

Choose the correct word in substitution for the sentence given below:-
Have a desire for something or someone who is not present

- delusion - (Alternative 3 )

```
sedition - (Alternative 4 )
yearn - (Alternative 1)
façade - (Alternative 2 )
```


## Question No. 4

1.00

Bookmark
Choose the word opposite in meaning to:- DWELL
abscond - (Alternative 4 )

- bail out - (Alternative 3 )
tarry - (Alternative 2 )
- hang around - (Alternative 1)


## Question No. 5

Bookmark
Choose the appropriate alternative for the italicized words:-
Security has escalated at the Railway station in the wake of an intelligence report of a bomb attack by a terrorist group.
had been escalated - (Alternative 1)
have escalated - (Alternative 3 )

- have been escalated - (Alternative 4 )
has escalated - (Alternative 2 )


## Question No. 6

Choose the word similar in meaning to:- SANGUINE

- Enthusiastic - (Alternative 2 )

Dispassionate - (Alternative 4 )
Genuine - (Alternative 1 )
Optimistic - (Alternative 3 )

## Question No. 7

Choose the correct option similar to the idiom given below:- "Barking up the wrong tree"
Bookmark
barking at the other dog - (Alternative 3 )
expert in shouting - (Alternative 1 )
Accusing the wrong person - (Alternative 4 )

- climbing the wrong tree - (Alternative 2 )


## Question No. 8

Choose the word with the correct spelling:-
ecert - (Alternative 3 )
exert - (Alternative 2 )
excert - (Alternative 1 )
eksert - (Alternative 4 )

## Question No. 9

Fill in the blank with the suitable preposition:- What is the reason behind the rise $\qquad$ the wall street?
on - (Alternative 1 )
at - (Alternative 3 )
of - (Alternative 2 )
behind - (Alternative 4 )

Fill in the blank with the suitable article:- $\qquad$ apples are grown in Kashmir.
A - (Alternative 1 )
The - (Alternative 3 )
An - (Alternative 2 )

## CIVIL ENGINEERING - CIVIL ENGINEERING

## Question No. 1

Shear keys are provided in cantilever retaining walls to take care of $\qquad$ -.

Buckling - (Alternative 3 )
Overturning - (Alternative 2 )
Bearing failure - (Alternative 4 )
Sliding - (Alternative 1 )

## Question No. 2

The sludge treatment is mainly done to stabilize $\qquad$ .

Formation of gases - (Alternative 4 )
Inorganic materials - (Alternative 1 )
The growth of pathogenic bacteria - (Alternative 3 )
Organic materials - (Alternative 2 )

## Question No. 3

Methane gas can be collected from the engineered landfill through $\qquad$ .
Gas chambers - (Alternative 2 )
Leechates - (Alternative 3 )
Biomass storage - (Alternative 1 )
Gas pipes - (Alternative 4 )

## Question No. 4

CPM is $\qquad$ .

Activity oriented technique. - (Alternative 2 )
Resource oriented technique. - (Alternative 4 )
Event oriented technique. - (Alternative 1 )

## Question No. 5

When the forces in a few members of a truss are to be determined, the preferred method of analysis is $\qquad$ -.
Tension coefficient method - (Alternative 3 )
Method of sections - (Alternative 2 )
Graphical method - (Alternative 4 )
Method of joints - (Alternative 1 )

Question No. 6
The flexibility of a structure is defined as $\qquad$ _.

The displacement caused by unit force - (Alternative 1 )
Moment required for unit displacement - (Alternative 3 )
The force required for unit displacement - (Alternative 2 )
The displacement caused by unit moment - (Alternative 4 )

## Question No. 7

The condition of a structure which no longer fulfills the relevant design criteria is called $\qquad$ Bookmark .

Collapse state - (Alternative 4 )
Working state - (Alternative 3 )
Limit state - (Alternative 1 )
Ultimate state - (Alternative 2 )

## Question No. 8

In a bituminous pavement, alligator cracking is mainly due to $\qquad$ -.
Inadequate wearing course - (Alternative 1 )

- Inadequate thickness of sub base - (Alternative 2 )

Use of excess bituminous material - (Alternative 3 )
Fatigue arising from repeated stress applications - (Alternative 4 )

## Question No. 9

## Bookmark

The partial differential equation for the compltete solution $z=a e^{x}+b \log y$ where a and b are arbitrary constants, is of the form

$$
z=e^{-x} \frac{\partial z}{\partial x}+\log y \frac{\sigma z}{\partial y} \quad-(\text { Alternative } 2)
$$

$$
z=\frac{\partial z}{\partial x}+y \log y \frac{\partial z}{\partial y} \quad-(\text { Alternative } 4)
$$

$$
z=e^{x} \frac{\partial z}{\partial x}+\frac{1}{y} \frac{\partial z}{\partial y} \quad-\text { (Alternative } 3 \text { ) }
$$

$$
z=\frac{\sigma z}{\partial x}+\log y \frac{\sigma z}{\partial y} \quad-(\text { Alternative } 1)
$$

## Question No. 10

For torsional reinforcement, side face reinforcement with torsion shall be provided along the two sides, if the depth of web of beam exceeds $\qquad$ _.
300 mm - (Alternative 2 )
750 mm - (Alternative 4 )

- 250 mm - (Alternative 1 )
. 450 mm - (Alternative 3 )


## Question No. 11

Bookmark
The extra widening required for a two-lane NH at a horizontal curve of radius 300 m , considering a wheel base of 8 m and a design speed of $100 \mathrm{~km} / \mathrm{hr}$ is $\qquad$ -.
0.82 m - (Alternative 3 )
0.32 m - (Alternative 2 )
0.42 m - (Alternative 4 )
0.72 m - (Alternative 1 )

## Question No. 12

Radial stresses in a thin spherical pressure vessel is $\qquad$ .
Double the hoop stress - (Alternative 3 )
Half the hoop stress - (Alternative 4 )
Equal to the hoop stress - (Alternative 2 )
Zero - (Alternative 1 )

The analytic function $w=f(z)=u+i v$ whose real part $u=e^{x} \sin y$ is given by

```
    -i\mp@subsup{e}{}{z}
    ie
        - (Alternative 4 )
    ie
    e}iz\quad-(\mathrm{ Alternative 3)
```


## Question No. 14

In which of the following footings of equal width, the vertical stress extends to a larger depth below its base?
Strip footing - (Alternative 1 )
Rectangular footing - (Alternative 3 )
Square footing - (Alternative 2 )
Circular footing - (Alternative 4 )

## Question No. 15

Bookmark
In the intersection method of plane table surveying, the number of stations needed to be set up are $\qquad$ .
Depending upon the sides of the parallelogram - (Alternative 4 )
Two - (Alternative 2 )
Three - (Alternative 3 )
One - (Alternative 1 )

In the Bernoulli equation, used in pipe flow, each term represents $\qquad$ .
Energy per unit volume - (Alternative 3 )
Energy per unit weight - (Alternative 1 )
Energy per unit flow length - (Alternative 4 )
Energy per unit mass - (Alternative 2 )

Question No. 17

If a lacing is to be designed to carry an axial load of 400 kN , then the transverse shear to be resisted by the lacing will be $\qquad$ _.
30 kN - (Alternative 2 )
10 kN - (Alternative 4 )
40 kN - (Alternative 1 )

- 20 kN - (Alternative 3 )


## Question No. 18

Bookmark
For a road with camber of $3 \%$ and design speed of $80 \mathrm{~km} / \mathrm{hr}$, the minimum radius of the curve beyond which no super-elevation is needed, is $\qquad$ _.

```
280 m - (Alternative 1 )
1680 m - (Alternative 4)
948 m - (Alternative 3)
406 m-(Alternative 2 )
```

The stationary point $(x, y)$ of the function $f(x, y)=x y+\frac{y}{x}+\frac{3}{y}$ is given by

```
    (3,-1) - (Alternative 4)
    (-1,3) - (Alternative 2)
    (-1,-3) - (Alternative 1)
(3,1) - (Alternative 3 )
```

As per IRC recommendations, average level of illumination on important roads carrying fast traffic is $\qquad$ .
10 lux - (Alternative 4 )
30 lux - (Alternative 2 )
20 lux - (Alternative 1 )
5 lux - (Alternative 3 )

## Question No. 21

For unstiffened flange of a beam in flexural compression, maximum allowable outstand is equal to $\qquad$ .

40t - (Alternative 1 )
-50t - (Alternative 4 )
16t - (Alternative 2 )

- 12t - (Alternative 3 )

Given $u(t)$ is a unit step function, $F\left\{u(t) e^{-t}\right\}$ is equal to


## Question No. 23

One of the efficient method of strengthening the foundation of the existing building is $\qquad$ Bookmark

Underpinning process - (Alternative 2 )
Demolish and reconstruct - (Alternative 3 )

Increasing the size of members - (Alternative 1 )
Provide additional reinforcement - (Alternative 4 )

## Question No. 24

Bookmark
If 4 hour unit hydrograph of a basin can be approximated as a triangle with a base period of 48 hours and a peak ordinate of $20000 \mathrm{~m}^{3} / \mathrm{s}$, then the area of the basin is $\qquad$ _.
$864 \mathrm{~km}^{2}$ - (Alternative 1 )
$3456 \mathrm{~km}^{2}$ - (Alternative 3 )

- 1728 km$^{2}$ - (Alternative 2 )
$5184 \mathrm{~km}^{2}$ - (Alternative 4 )


## Question No. 25

Bookmark
If a structure is statically indeterminate to second degree, then maximum number of plastic hinges required to render the structure mechanism is $\qquad$ .
2 - (Alternative 2 )
Infinite - (Alternative 4 )
3-(Alternative 3 )
1-(Alternative 1 )

## Question No. 26

Engineering system of disposal of domestic waste means $\qquad$ -
Dumping of solid waste only on a daily basis - (Alternative 1 )
Treatment by using chemicals on a daily basis - (Alternative 4 )
Dumping, spreading and covering with soil on a daily basis - (Alternative 3 )
Incineration of solid waste on a daily basis - (Alternative 2 )

## Question No. 27

For air-entrained concrete, compressive strength is approximately $\qquad$ \% of non-air entrained concrete.
16-(Alternative 1 )
70-(Alternative 3 )
80-(Alternative 4)
65-(Alternative 2 )

## Question No. 28

The Sewage Treatment which works on the degradation of organic matter by the agency of living organisms is called $\qquad$ _.

Primary treatment - (Alternative 2 )
Tertiary treatment - (Alternative 4 )
Total treatment - (Alternative 1 )
Secondary Treatment - (Alternative 3 )

## Question No. 29

Height of collimation method is preferred when the levelling ground is $\qquad$ .
Fairly level ground - (Alternative 3 )
To cross a barrier - (Alternative 4 )
Having high altitudes - (Alternative 2 )
Having deep slopes - (Alternative 1 )

Which method of waterproofing is used in the wet areas of toilets?
Cementitious waterproofing - (Alternative 4 )
Liquid waterproofing membrane - (Alternative 1 )
Bituminous membrane - (Alternative 2 )

| - Bituminous coating - (Alternative 3 ) |  |
| :---: | :---: |
| Question No. 31 <br> Driving of piles causes densification of loose cohesion less soil up to radial distance of 2.5 times pile diameter - (Alternative 2 ) 3.5 times pile diameter - (Alternative 3 ) 1.5 times pile diameter - (Alternative 1 ) 4.5 times pile diameter - (Alternative 4 ) | $1.00$ <br> Bookmark |
| Question No. 32 <br> The separation of water or water-cement mixture from freshly mixed concrete is called as Bleeding - (Alternative 3 ) Segregation - (Alternative 2 ) Flooding - (Alternative 4 ) Creeping - (Alternative 1 ) | $1.00$ <br> Bookmark |
| Question No. 33 <br> As per IS 456:2000, the spacing of longitudinal bars measured along the periphery of the exceed $\qquad$ <br> 250 mm - (Alternative 3 ) <br> 300 mm - (Alternative 2 ) <br> 150 mm - (Alternative 4 ) <br> 350 mm - (Alternative 1 ) | $1.00$ <br> Bookmark <br> not |

The Fourier coefficient $\mathrm{a}_{1}$ for the function $\mathrm{f}(\mathrm{x})=\mathrm{e}^{-\mathrm{x}}$ in the interval $0<x<2 \pi$ is


The voids ratio at the natural, the loosest and the densest state of a sand deposit are $0.5,0.3$ and 0.7 respectively. The relative density of the sand deposit is $\qquad$ -

$$
\begin{aligned}
& 50 \% \text { - (Alternative } 2 \text { ) } \\
& 75 \%-(\text { Alternative } 3) \\
& 25 \%-(\text { Alternative } 1) \\
& 100 \%-(\text { Alternative } 4)
\end{aligned}
$$

Water is flowing in an upward direction through the structure of sand 5 m thick under a total head difference of 3 m . The sand has a specific gravity of 2.55 and voids ratio of 0.55 . The factor of safety against quick condition would be $\qquad$ -.
3 - (Alternative 3 )
1.67 - (Alternative 1 )
1.5 - (Alternative 4 )

1 - (Alternative 2 )

## Question No. 37

A single acting reciprocating pump running at 50 rpm has the diameter of the piston as 200 mm and stroke length 400 mm . The theoretical discharge of the pump is $\qquad$ .
10.5 lit/sec - (Alternative 1 )
$5.25 \mathrm{lit} / \mathrm{sec}$ - (Alternative 2 )
21 lit/sec - (Alternative 3 )
62 lit/sec - (Alternative 4 )

## Question No. 38

## Bookmark

The eigenvalues of the matrix $A=\left[\begin{array}{cc}\cos \theta & \sin \theta \\ -\sin \theta & \cos \theta\end{array}\right]$ are given by

```
O
    1+\mp@subsup{e}{}{\pmi0}
    |-\mp@subsup{e}{}{\pmi0}
                - (Alternative 4 )
O
    1- e
\mp@subsup{e}{}{\pmi0}}\mathrm{ - (Alternative 3)
```

Two plates of 12 mm and 14 mm are to be joined by a fillet weld, the maximum size of fillet weld is $\qquad$ .
15.5 mm - (Alternative 4 )
10.5 mm - (Alternative 2 )

- 12.5 mm - (Alternative 3 )
- 13.5 mm - (Alternative 1 )


## Question No. 40

The failure due to over-reinforced beam is called $\qquad$ -
Collapse failure - (Alternative 3 )
Shear failure - (Alternative 4 )

- Tension failure - (Alternative 1 )

Compression failure - (Alternative 2 )

Transfer stations are required for $\qquad$ .
Separation of domestic waste - (Alternative 2 )

- Disposal of domestic waste - (Alternative 4 )

Treatment of domestic waste - (Alternative 3 )
Collection of domestic waste - (Alternative 1 )

## Question No. 42

As per IS:1904-1986, the minimum depth of shallow foundation is $\qquad$ .
0.75 m - (Alternative 2 )
1.50 m - (Alternative 4 )
1.00 m - (Alternative 3 )
0.50 m - (Alternative 1 )

## Question No. 43

Bookmark
For open wells, ratio of safe depression head to critical depression head is equal to $\qquad$ .
3/4-(Alternative 2 )
1/2-(Alternative 1 )
1/3-(Alternative 3)
2/3-(Alternative 4 )

## Question No. 44

In stadia method if k is the multiplying factor, s is the staff intercept, c is the additive constant of the instrument, then the distance equation is given by the expression $\qquad$ -.
$D=k+c s-$ (Alternative 1 )
$\mathrm{D}=\mathrm{k} / \mathrm{s}+\mathrm{c}$ - (Alternative 3 )
$D=k+c / s$ - (Alternative 4 )
D=ks+c - (Alternative 2 )

## Question No. 45

The main requirement of the waterproofing petroleum asphalt is $\qquad$ -
High Plasticity - (Alternative 3 )
High temperature sensitivity - (Alternative 4 )
Low viscosity - (Alternative 2 )
High viscosity - (Alternative 1 )

## Question No. 46

A Gantt chart indicates:
Progress cost of the project - (Alternative 4 )
Efficiency of project work - (Alternative 3 )
Balance work to be done - (Alternative 2 )
dependency relationships between activities and current schedule status. - (Alternative 1 )

Question No. 47

The radius of curvature at the point $(0, c)$ of the curve $y=c \cosh \left(\frac{x}{c}\right)$ is


A sewer, which receives sewage from the collection system and connects it to a point of final disposal plant is called $\qquad$
Separate sewer - (Alternative 3 )
Outfall sewer - (Alternative 1 )
Branch sewer - (Alternative 4 )
Lateral sewer - (Alternative 2 )

The solution of the differential equation $\frac{d^{2} y}{d t^{2}}+y=0, y(0)=0, y\left(\frac{\pi}{2}\right)=-1$ is given by

```
y=-\operatorname{sin}t - (Alternative 2)
```

$y=-\cos t \quad-($ Alternative 3 )
$y=\sin t \quad-($ Alternative 1)
$y=\cos t \quad$ (Alternative 4)
$L^{-1}\left\{\frac{1}{s^{2}(s+1)}\right\}$ is equal to

$$
e^{-t}-1-t \quad-(\text { Alternative } 4)
$$

$$
\left.e^{-t}+1-t \quad-\text { (Alternative } 1\right)
$$

$$
e^{-t}-1+t \quad \text { - (Alternative } 2 \text { ) }
$$

$$
e^{-t}+1+t \quad-(\text { Alternative } 3)
$$

The value of the integral $\int_{0}^{1} \int_{0}^{1-x} y d y d x$ is equal to


[^0]```
    -\frac{1}{6}
    \
    - (Alternative 2 )
```


## Question No. 52

What is the factor of safety of a $20^{\circ}$ slope of an infinite extent in a cohesion less soil whose angle of shearing resistance is $30^{\circ}$ ?
1.25-(Alternative 1 )

2 - (Alternative 4 )
1.5-(Alternative 2 )
1.75-(Alternative 3 )

The Split spoon sampler is used for conducting $\qquad$ -.
Borehole shear test - (Alternative 1 )

- Pressure meter test - (Alternative 3 )

Standard Penetration test - (Alternative 4 )
In situ vane shear test - (Alternative 2 )

## Question No. 54

As per IS 456:2000, the maximum quantity of cement for any concrete mix should not exceed $\qquad$ -.
100 kg - (Alternative 4 )
200 kg - (Alternative 1 )
450 kg - (Alternative 3 )
350 kg - (Alternative 2 )

## Question No. 55

The smallest soil particle which is visible to the naked eye has a size of about $\qquad$ _.
0.001 mm - (Alternative 1 )
0.01 mm - (Alternative 2 )
0.75 mm - (Alternative 4 )
0.075 mm - (Alternative 3 )

Question No. 56
When the backfill with $\varnothing=30^{\circ}$ is subjected to a surcharge pressure $q$, the intensity of active earth pressure at the top of the backfill is $\qquad$ -.
q/4 - (Alternative 4 )
q-(Alternative 1 )
q/3-(Alternative 3 )
q/2 - (Alternative 2 )

## Question No. 57

In a compaction test, if the compaction effort is increased, the optimum moisture content $\qquad$ Bookmark .

Decreases - (Alternative 2 )
Is Consistent - (Alternative 3 )
Decreases first and then Increases - (Alternative 4 )
Increases - (Alternative 1 )

The depth of flow for maximum discharge through a circular channel of 1.0 m diameter is $\qquad$ .
1.5 m - (Alternative 3 )
1.9 m - (Alternative 1 )
0.95 m - (Alternative 4 )
1.7 m-(Alternative 2 )

## Question No. 59

If a continuous beam $A B C D E$ is having $D E$ as overhang, the distribution factors at joint $D$ are:
DFdc = 1, DFde $=0$ - (Alternative 4 )
DFDC $=0.75, \mathrm{DFDE}=0.25-($ Alternative 3$)$
DFDC $=0.5$, DFDE $=0.5$ - (Alternative 1 )
DFDc $=0.25$, DFde $=0.75$ - (Alternative 2 )

## Question No. 60

A simply supported beam of length 3 m carries two point loads of 1 kN each acting at a distance of 1 m from the supports. The value of maximum bending moment at mid span will be $\qquad$ -.
$1.5 \mathrm{kN} / \mathrm{M}$ - (Alternative 3 )
$0.5 \mathrm{kN} / \mathrm{M}$ - (Alternative 1 )
$1 \mathrm{kN} / \mathrm{M}$ - (Alternative 4 )
$2 \mathrm{kN} / \mathrm{M}$ - (Alternative 2 )

## COMPUTER KNOWLEDGE - COMPUTER KNOWLEDGE

## Question No. 1

The attribute AGE is calculated from DATE_OF_BIRTH. Thus the attribute AGE is a $\qquad$ composite attribute - (Alternative 2 )
compound attribute - (Alternative 3 )
simple attribute - (Alternative 1 )
derived attribute - (Alternative 4 )

## Question No. 2

Multimedia systems require hard real time scheduling to $\qquad$ .
ensure critical tasks will be serviced within timing deadlines - (Alternative 1 )
for security - (Alternative 4 )
minimize the delay - (Alternative 3 )
deliver the media file to the client - (Alternative 2 )

Question No. 3
Unauthorized control over a web server and its associated software is called $\qquad$ .

Computer hacking - (Alternative 4 )
Network hacking - (Alternative 1 )
Website hacking - (Alternative 3 )
Ethical hacking - (Alternative 2 )

## Question No. 4

Bookmark
The full-form of MPEG is $\qquad$ .
Modify Pictures Editing Group - (Alternative 4 )

- Motion Pictures Experts Group - (Alternative 1)

Modify Pictures Experts Group - (Alternative 2 )
Moving Pictures Experts Group - (Alternative 3 )

## Question No. 5

## Bookmark

Which among the following devices is used to transmit data over telecommunication lines?
platform - (Alternative 4 )

```
modems - (Alternative 1)
drives - (Alternative 3)
driver - (Alternative 2 )
```


## Question No. 6

The protocol used to find the hardware address of a local device is $\qquad$ -

ARP - (Alternative 2 )

- RARP - (Alternative 3 )

IP - (Alternative 4 )

- ICMP - (Alternative 1 )


## Question No. 7

What is the maximum number of worksheets that can be created in three MS-Excel workbooks?
255 - (Alternative 4 )
765-(Alternative 3)
755-(Alternative 2 )
721-(Alternative 1)

## Question No. 8

In which year was MS-Excel launched?
1985 - (Alternative 1 )
1992-(Alternative 3 )
-1987 - (Alternative 4 )
1986-(Alternative 2 )

## Question No. 9

In which one of the following years was the optical mouse introduced?
1980-(Alternative 2 )
1991-(Alternative 3)
-1970-(Alternative 1)
-1982-(Alternative 4)

Question No. 10
What converts assembly level language into machine level language?
Compiler - (Alternative 1 )
Interpreter - (Alternative 3 )
Assembler - (Alternative 2 )

- Processor - (Alternative 4 )


## GUJARATI LANGUAGE \& GRAMMAR - GUJARATI LANGUAGE AND GRAMMAR

## Question No. 1

જોડણીશુદ્ધિની દ્રષ્ટીએ નીચેમાંથી કયા જોડકાં/જોડકાંઓની જોડણી ખોટી છે?

1. માનવીય-માનનીય 2. આત્મીય-ભારતીય
2. માલવીયા-રજનિશ
3. માનસીક-પ્રાથમીક

3-(Alternative 1 )

- 2 અને 4 - (Alternative 4 )
- 3 અન 4 - (Alternative 3 )
- 1 અને 4 - (Alternative 2 )

નીચેના પૈકી કયું વાકય ઉપમા અલંકારનું છે?

ચાંદની પૃથ્વી પર આશીર્વાદની જેમ પથરાય છે. - (Alternative 2 )
જેઓ વૃક્ષને પ્રેમ નથી કરતા, એમનામાં જીવન પ્રત્યે પ્રેમ હોતો જ નથી. - (Alternative 1 )
દીવા નથી દરબારમાં; છે અંધારું ધોર! - (Alternative 4 )
જો હોય સંપ કુટુંબમાં, શત્રુથી શું થાય? - (Alternative 3 )

## Question No. 3

ટાઢે પાણીએ ખસ જવી' કહેવતનો અર્થ દર્શાવો.
( આંખ મીંચીને અંધારું કરવું. - (Alternative 4 )

- વગર મહેનતે મુશ્કેલી ટળવી. - (Alternative 1 )
- ન બોલવાનું બોલીને સંબંધ બગાડવો. - (Alternative 3 )

ઠ ઠંડા પાણીએ સ્નાન કરીને શરદી મટાડવી. - (Alternative 2 )

## Question No. 4

નીચેના પૈકી કયું વાક્ય આજ્ઞાર્થ દર્શાવ છે?
મહેશ ગઈકાલ સુધી શહેરમાં હતો. - (Alternative 2 )

- સૌને મારી યાદ આપજો. - (Alternative 1 )
(મિત્રો, હવે તો ચા-કોફી લેશોને? - (Alternative 4 )
- કુંભાર માટલા ધડે છે. - (Alternative 3 )


## Question No. 5

નીચેના પૈકી કયો શબ્ધ 'દરિદ્ર'નો વિરુદ્દાર્થી શબ્દ છે?
ગ ગરીબ - (Alternative 1 )
કંગાળ - (Alternative 2 )

- શ્રીમંત - (Alternative 4 )
- આળસુ - (Alternative 3 )


## Question No. 6

સારું: નરસું :: શુક્લ: ?
સત્ય - (Alternative 1 )

- અજવાળિયું - (Alternative 4 )

○ કૃષ્ણ - (Alternative 2 )

- અયોગ્ય - (Alternative 3 )

Question No. 7
નીચેમાંથી કયો વિકલ્પ 'ચર્યા' શબદનો સમાર્નાથી નથી?
પાલન - (Alternative 4 )

- આયરણ - (Alternative 2 )
- વર્તન - (Alternative 1 )
- ચરણ - (Alternative 3 )


## Question No. 8

ભારવાયક નિપાતનાં નીચે આપેલ ઉદાહરણમાંથી કયું અયોગ્ય છે?
અમે તો આજે બહાર જવાના જ. - (Alternative 1 )
ત તમે અમારી સાથે બહાર આવશો ને? - (Alternative 2 )
મૂર્ખ લોકો સાથે ચર્ચા ન કરવી એ જ ઉત્તમ. - (Alternative 4 )
મ મને તો કંઈ જ સંભળાયું નથી. - (Alternative 3 )

પાણીમાં લીટા તાણવા'ની સમાનાર્થી કહેવત કઈ છે?
૦ જળ મુકવું - (Alternative 1 )
પત્તાનો મહેલ ચણવો - (Alternative 4 )

- એક સાથે બે ધોડે ચડવું - (Alternative 3 )

૦ હજાર ધંટીનો લોટ ખાવો - (Alternative 2 )

Question No. 10
નીચે આપેલ વિધાનના ક્યા ભાગમાં શુદ્ધિ નથી?
રોજ સવારે મંદિરે જઈ હાથ જોડી નમન કરી આરતી કરાવી એ એનો નિત્યક્રમ હતો.
૪ એ એનો નિત્યક્રમ હતો - (Alternative 1 )

- નમન કરી આરતી કરાવી. - (Alternative 4 )

રોજ સવારે મંદેરે - (Alternative 2 )

- જઈ હાથ જોડી - (Alternative 3 )


[^0]:    $\frac{1}{2}-($ Alternative 1 )

