



## Guru Gobind Singh Indraprastha University

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Test Center Name	Bhagvati E - Testing
Test Date	14/09/2021
Test Time	12:30 PM - 3:00 PM
Subject	B.Tech (Lateral Entry for Diploma Holders)

### Section : Applied Mechanics

Q.1

The diagram showing the point of application and line of action of force in their plane is called\_\_\_\_\_.

- A. vector diagram
- B. space diagram
- C. force diagram
- D. functional diagram

Ans ☒ A. A  
☒ B. B  
☒ C. C  
☒ D. D

Question ID : 2233957365

Status : Answered

Chosen Option : C

Q.2

The angular speed of a car taking a circular turn of radius 100 m at 36 km/hr will be\_\_\_\_\_.

- A. 0.1 rad/sec
- B. 1 rad/sec
- C. 10rad/sec
- D. 100 rad/sec

Ans ☒ A. A  
☒ B. B  
☒ C. C  
☒ D. D

Question ID : 2233957344

Status : Answered

Chosen Option : A

Q.3

At a given instant ship 'A' is travelling at 6 km/h due to east and ship 'B' is travelling at 8 km/h due to north. The velocity of 'B' relative to 'A' is \_\_\_\_\_.

- A. 7 km/hrs
- B. 2 km/hrs
- C. 1 km/hrs
- D. 10km/hrs

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957342

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.4

Impulse can be obtained from a \_\_\_\_\_.

- A. Force-displacement diagram
- B. Force-time diagram
- C. Velocity time diagram
- D. Velocity displacement diagram

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957363

Status : Answered

Chosen Option : A

- Q.5** A satellite moves in its orbit around the earth due to \_\_\_\_\_.
- A. Gravitational force
  - B. Centripetal force
  - C. Centrifugal force
  - D. None of these

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957351**  
Status : **Answered**  
Chosen Option : **C**

- Q.6** The maximum pull in a cable, carrying a uniformly distributed load and supported at two ends which are at the same level, is at \_\_\_\_\_.
- A. Supports
  - B. Quarter span
  - C. Mid span
  - D. None of these

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957341**  
Status : **Answered**  
Chosen Option : **C**

Q.7

A rigid body is in stable equilibrium if the application of any force

- A. Can raise the CG of the body but cannot lower it
- B. Tends to lower the CG of the body
- C. Neither raises nor lowers the VG of the body
- D. None of the above.

Ans  A. A

 B. B

 C. C

 D. D

Question ID : 2233957358

Status : Answered

Chosen Option : A

Q.8

Two particles have been projected at angles  $64^\circ$  and  $45^\circ$  to the horizontal. If the velocity of projection of first is 10 m/sec, the velocity of projection of the other for equal horizontal ranges is \_\_\_\_\_.

- A. 9.3 m/sec
- B. 8.3 m/sec
- C. 7.3 m/sec
- D. 6.3m/sec

Ans  A. A

 B. B

 C. C

 D. D

Question ID : 2233957348

Status : Answered

Chosen Option : A

**Q.9** When a body in equilibrium undergoes an infinitely small displacement, work imagined to be done, is known as \_\_\_\_\_.

- A. Imaginary work
- B. Negative work
- C. Virtual work
- D. None of these.

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957357**  
Status : **Answered**  
Chosen Option : **A**

**Q.10** A stone is whirled in a vertical circle, the tension in the string, is maximum \_\_\_\_\_.

- A. When the string is horizontal
- B. When the stone is at highest position
- C. When the stone is at the lowest position
- D. At all the positions

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957343**  
Status : **Answered**  
Chosen Option : **C**

**Q.11** In a simple harmonic motion, the position of equilibrium is always \_\_\_\_\_.

- A. Stable
- B. Unstable
- C. Neutral
- D. None of these

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957361**  
Status : **Answered**  
Chosen Option : **A**

Q.12

To double the period of a oscillation of a simple pendulum

- A. The mass of its bob should be doubled
- B. The mass of its bob should be quadrupled.
- C. Its length should be quadrupled.
- D. Its length should be doubled.

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957356

Status : Answered

Chosen Option : A

Q.13

What does the moment of the force measure?

- A. The moment of inertia of the body about any axis
- B. The couple moment produced by the single force acting on the body
- C. The tendency of rotation of the body along any axis
- D. The total work is done on the body by the force

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957364

Status : Answered

Chosen Option : A

**Q.14** The force polygon representing a set of forces in equilibrium is a \_\_\_\_\_.

- A. Triangle
- B. Open polygon
- C. Closed polygon
- D. Parallelogram

**Ans** ☒ A. A  
☒ B. B  
☒ C. C  
☒ D. D

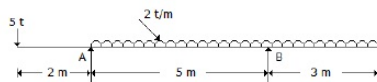
Question ID : 2233957350

Status : Answered

Chosen Option : B

**Q.15** The beam shown in below figure is supported by a hinge at 'A' and a roller at 'B'.

The reaction  $R_A$  of the hinged support 'A' of the beam, is \_\_\_\_\_.



- A. 10.8 t
- B. 10.6 t
- C. 10.4 t
- D. 10.2 t

**Ans** ☒ A. A  
☒ B. B  
☒ C. C  
☒ D. D

Question ID : 2233957346

Status : Marked For Review

Chosen Option : C

Q.16

The unit of moment of inertia of a body, is \_\_\_\_\_.

- A. m
- B.  $m^2$
- C.  $m^3$
- D.  $m^4$

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957360

Status : Answered

Chosen Option : B

Q.17

The ratio of the moment of inertia of a rectangle about its centroidal axis to the moment of inertia about its base, is \_\_\_\_\_.

- A. 1/4
- B. 1/2
- C. 3/4
- D. 2

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957345

Status : Answered

Chosen Option : A



**Q.18** The force acting on a point on the surface of a rigid body may be considered to act \_\_\_\_\_.

- A. At the centre of gravity of the body
- B. On the periphery of the body
- C. On any point of the line of action of the force
- D. At any point on the surface normal to the line of action of the force.

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957353**  
Status : **Answered**  
Chosen Option : **D**

**Q.19** A weight 'W' is suspended at the free end of a light member hinged to a vertical wall.  
If the angle of inclination of the member with the upper wall is  $\theta^\circ$ , the force introduced in the member, is \_\_\_\_\_.

- A.  $W \sec \theta$
- B.  $W \cos \theta$
- C.  $W \sin \theta$
- D.  $W \cos \theta$

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957347**  
Status : **Answered**  
Chosen Option : **C**

**Q.20** If ' $l$ ' is the span of a light suspension bridge who's each cable carries total weight ( $\omega$ ) and the central dip is ' $y$ ', the horizontal pull at each support, is \_\_\_\_\_.

- A.  $\omega l / 4y$
- B.  $\omega l / 8y$
- C.  $\omega l / 2y$
- D.  $\omega l$

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957354**

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.21** The centre of gravity of a homogenous body is the point at which the whole \_\_\_\_\_.

- A. Volume of the body is assumed to be concentrated
- B. Area of the surface of the body is assumed to the concentrated
- C. Weight of the body is assumed to be concentrated.
- D. All the above

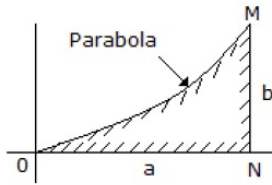
**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957349**

Status : **Answered**

Chosen Option : **A**

- Q.22** The C.G of the shaded area of the below figure whose curve OM is a parabola from y-axis, is \_\_\_\_\_.



- A.  $a/4$   
 B.  $3a/4$   
 C.  $3b/10$   
 D.  $3a/10$

Ans ☒ A. A  
☒ B. B  
☒ C. C  
☒ D. D

Question ID : 2233957355

Status : Not Attempted and Marked For Review

Chosen Option : --

- Q.23** The centre of gravity of a quadrant of a circle lies along its central radius at a distance of \_\_\_\_\_.

- A.  $0.2 R$   
 B.  $0.4 R$   
 C.  $0.3 R$   
 D.  $0.6 R$

Ans ☒ A. A  
☒ B. B  
☒ C. C  
☒ D. D

Question ID : 2233957362

Status : Answered

Chosen Option : A

**Q.24** The instantaneous centre of a member lies at the point of intersection of two lines drawn at the ends of the member such that the lines are inclined to the direction of motion of the ends at \_\_\_\_\_.

- A.  $30^\circ$
- B.  $45^\circ$
- C.  $60^\circ$
- D.  $90^\circ$

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957359**

Status : **Answered**

Chosen Option : **B**

**Q.25** For a non-concurrent force system to be in equilibrium \_\_\_\_\_.

- A. Only the closure of force polygon is sufficient
- B. Only the closure of funicular polygon is sufficient
- C. Both force polygon and funicular polygon must close
- D. None of these.

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957352**

Status : **Answered**

Chosen Option : **C**

Section : **Applied Mathematics**

Q.1

Let  $f$  be an increasing function on  $[a, b]$  and  $g$  a decreasing function from  $[a, b]$  to  $[a, b]$ , then\_\_\_\_\_.

- A.  $fg$  is a decreasing function
- B.  $g \circ f$  is an increasing function
- C.  $fg$  is an increasing function
- D. None of these.

Ans  A. A B. B C. C D. D

Question ID : 2233957390

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.2

The value of  $\cos \frac{\pi}{5} \cos \frac{2\pi}{5} \cos \frac{4\pi}{5} \cos \frac{8\pi}{5}$  is\_\_\_\_\_.

A.  $\frac{1}{16}$

B. 0

C.  $\frac{-1}{8}$

D.  $\frac{-1}{16}$

Ans  A. A B. B C. C D. D

Question ID : 2233957367

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.3

The amplitude of  $\sin \frac{\pi}{5} + i \left(1 - \cos \frac{\pi}{5}\right)$  is \_\_\_\_\_.

A.  $\frac{2\pi}{5}$

B.  $\frac{\pi}{5}$

C.  $\frac{\pi}{15}$

D.  $\frac{\pi}{10}$

Ans  A. A B. B C. C D. D

Question ID : 2233957374

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.4

The number of signals that can be sent by 6 flags of different colours taking one or more at a time is \_\_\_\_\_.

A. 63

B. 1956

C. 720

D. 21

Ans  A. A B. B C. C D. D

Question ID : 2233957377

Status : Answered

Chosen Option : C

Q.5

If  $|x + 3| \geq 10$ , then \_\_\_\_\_.

A.  $x \in (-13, 7]$

B.  $x \in (-1, 7]$

C.  $x \in (-\infty, -13] \cup [7, \infty)$

D.  $x \in (-\infty, -13) \cup (7, \infty)$

Ans  A. A

 B. B

 C. C

 D. D

Question ID : 2233957375

Status : Answered

Chosen Option : A

Q.6

The reflection of the point (4,-13) about the line  $5x + y + 6 = 0$  is \_\_\_\_\_.

A. (-1, -14)

B. (3,4)

C. (0,0)

D. (1, 2)

Ans  A. A

 B. B

 C. C

 D. D

Question ID : 2233957382

Status : Answered

Chosen Option : A

Q.7

Which of the following is not correct?

A.  $\sin \theta = -\frac{1}{5}$

B.  $\cos \theta = 1$

C.  $\sec \theta = \frac{1}{2}$

D.  $\tan \theta = 20$

Ans  A. A

 B. B

 C. C

 D. D

Question ID : 2233957368

Status : Answered

Chosen Option : D

Q.8

If  $x^n - 1$  is divisible by  $x - k$ , then the least positive integral value of k is \_\_\_\_\_.

A. 1

B. 2

C. 3

D. 4

Ans  A. A

 B. B

 C. C

 D. D

Question ID : 2233957371

Status : Answered

Chosen Option : A



Q.9

Let  $f(x) = \begin{cases} x^2 - 1, & x \leq 1 \\ k(x - 1), & x > 1 \end{cases}$  then

- A. f is continuous for only finitely many values of k.
- B. f is discontinuous at x=1
- C. f is differentiable only when k=2
- D. there are infinitely many values of k for which f is differentiable.

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957389

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.10

The coordinates of the foot of the perpendicular from the point (2,3) on the line  $x+y-11=0$  are\_\_\_\_\_.

- A. (-6,5)
- B. (5,6)
- C. (-5,6)
- D. (6,5)

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957380

Status : Answered

Chosen Option : D

**Q.11** The total number of terms in the expansion of  $(x + a)^{51} - (x - a)^{51}$  after simplification is \_\_\_\_\_.

- A. 102
- B. 25
- C. 26
- D. None of these

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957378**  
Status : **Answered**  
Chosen Option : **A**

**Q.12** If  $10^n + 3 \cdot 4^{n+2} + k$  is divisible by 9 for all  $n \in N$ , then the least positive integral value of k is \_\_\_\_\_.

- A. 5
- B. 3
- C. 7
- D. 1

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957370**  
Status : **Not Attempted and Marked For Review**  
Chosen Option : --

Q.13

Domain of  $\sqrt{a^2 - x^2}$   $a > 0$  is \_\_\_\_\_.

- A.  $[a, -a]$
- B.  $[-a, a]$
- C.  $[0, a]$
- D.  $[-a, 0]$

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957366  
Status : Answered  
Chosen Option : C

Q.14

The equation  $|z + 1 - i| = |z - 1 + i|$  represents a \_\_\_\_\_.

- A. Straight line
- B. Circle
- C. Parabola
- D. Hyperbola

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957373  
Status : Answered  
Chosen Option : D

Q.15

If  $\alpha + \beta = \frac{\pi}{4}$ , then the value of  $(1 + \tan \alpha)(1 + \tan \beta)$  is \_\_\_\_\_.

- A. 1
- B. 2
- C. -2
- D. Not defined

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957369

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.16

The intercept cut off by a line from y-axis is twice than that from x-axis, and the line passes through the point (1,2). The equation of the line is \_\_\_\_\_.

- A.  $2x + y = 4$
- B.  $2x + y + 4 = 0$
- C.  $2x - y = 4$
- D.  $2x - y + 4 = 0$

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957381

Status : **Answered**

Chosen Option : A

Q.17

The system of equations

$$\lambda x + y + z = 0$$

$$-x + \lambda y + z = 0$$

$$-x - y + \lambda z = 0$$

has a non-zero solution if real value of  $\lambda$  are \_\_\_\_\_.

A. 0

B. -1

C. 2

D. none of these

Ans  A. A B. B C. C D. D

Question ID : 2233957383

Status : Answered

Chosen Option : B

Q.18

The first term of an A. P. is a, the second term is b and the last term is c. The sum of

A.P. is \_\_\_\_\_.

A.  $\frac{(b+c-2a)(c+a)}{2(b-a)}$

B.  $\frac{(b+c+2a)(c+a)}{2(b-a)}$

C.  $\frac{(b+c-2a)(c-a)}{2(b-a)}$

D.  $\frac{(b+c-2a)(c+a)}{2(b+a)}$

Ans  A. A B. B C. C D. D

Question ID : 2233957379

Status : Answered

Chosen Option : B

**Q.19** If the complex number  $z = x + iy$  satisfies the condition  $|z + 1| = 1$ , then  $z$  lies on \_\_\_\_\_.

- A.  $x$ -axis
- B. circle with centre  $(-1, 0)$  and radius 1
- C. circle with centre  $(1, 0)$  and radius 1
- D.  $y$ -axis

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957372

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.20** Sum of the series  $\sum_{r=1}^n \frac{r}{(r+1)!}$  is

- A.  $1 - \frac{1}{n!}$
- B.  $1 - \frac{1}{(n+1)!}$
- C.  $2 - \frac{1}{(n+1)!}$
- D. none of these

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957386

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.21

The value of  $\lim_{x \rightarrow \infty} \sqrt{x^2 + 1} - \sqrt{x^2 - 1}$  is \_\_\_\_\_.

- A. 1
- B. -1
- C. 0
- D. none of these

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957387  
Status : Answered  
Chosen Option : B

Q.22

Sum to n term of the series  $\frac{1}{2} + \frac{3}{4} + \frac{7}{8} + \frac{15}{16} + \dots$  is \_\_\_\_\_.

- A.  $\frac{n}{2^n}$
- B.  $\frac{n+1}{2^{n+1}}$
- C.  $n + 1 - \frac{1}{2^n}$
- D.  $n - 1 + \frac{1}{2^n}$

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957385  
Status : Answered  
Chosen Option : A

**Q.23** If the sum of first  $2n$  terms of the A. P. 2, 5, 8, ..... , is equal to the sum of first  $n$  terms of the A. P. 57, 59, 61, ....., then  $n$  equals

- A. 10
- B. 12
- C. 11
- D. 13

**Ans** ☒ A. A  
☒ B. B  
☒ C. C  
☒ D. D

Question ID : **2233957384**

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.24** Let  $f(x) = \begin{cases} x + 1, & x \leq 1 \\ 4 - ax^2, & x > 1 \end{cases}$  the value of  $a$  so that  $f$  is continuous is \_\_\_\_\_.

- A.  $1/2$
- B. 1
- C. 2
- D. 3

**Ans** ☒ A. A  
☒ B. B  
☒ C. C  
☒ D. D

Question ID : **2233957388**

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.25** In how many ways a committee consisting of 3 men and 2 women, can be chosen from 7 men and 5 women?

- A. 45
- B. 350
- C. 4200
- D. 230

**Ans** ☒ A. A  
☒ B. B  
☒ C. C  
☒ D. D

Question ID : **2233957376**

Status : **Answered**

Chosen Option : **C**



## Section : Computer Awareness and Physics Chemistry Related Knowledge

**Q.1** In excel you can copy cell formats from one cell to another by using the\_\_\_\_\_.

- A. Backspace key
- B. Default font
- C. Format painter
- D. Formatting toolbar

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957395

Status : Answered

Chosen Option : D

**Q.2** Who is known as father of artificial intelligence?

- A. John McCarthy
- B. Vint Cerf
- C. Dennis Ritchie
- D. James Gosling

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957414

Status : Answered

Chosen Option : D

Q.3

For opening and closing of the file in excel, you can use which bar?

- A. Formatting
- B. Standard
- C. Title
- D. None of these

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957397

Status : Answered

Chosen Option : C

Q.4

The prefix that stands for “billionth” is\_\_\_\_\_.

- A. Giga
- B. Tera
- C. Nano
- D. Peta

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957410

Status : Answered

Chosen Option : D

Q.5

Which of the following is non-impact printer?

- A. Chain printer
- B. Line printer
- C. Drum printer
- D. Laser printer

Ans  A. A B. B C. C D. D

Question ID : 2233957415

Status : Answered

Chosen Option : D

Q.6

The least powerful computer is \_\_\_\_\_

- A. Minicomputer
- B. Microcomputer
- C. Mainframe computer
- D. All of the above

Ans  A. A B. B C. C D. D

Question ID : 2233957391

Status : Answered

Chosen Option : C

Q.7

Which one amongst them is not an inter network?

- A. LAN
- B. WAN
- C. MAN
- D. None of these

Ans  A. A B. B C. C D. D

Question ID : 2233957411

Status : Answered

Chosen Option : D

Q.8

Alerts are mostly appear in \_\_\_\_\_.

- A. Dialog box
- B. Combo box
- C. Check box
- D. All of these

Ans  A. A B. B C. C D. D

Question ID : 2233957404

Status : Answered

Chosen Option : A

**Q.9** The first generation computers were characterized by\_\_\_\_\_.

- A. Micro processor chips
- B. Thermionic values
- C. Transistors
- D. Integrated circuits

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957399**  
Status : **Answered**  
Chosen Option : **B**

**Q.10** A scripting language similar to HTML and which runs only on a browser is\_\_\_\_\_.

- A. Java script
- B. Fortran
- C. Basic
- D. FoxPro

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957401**  
Status : **Answered**  
Chosen Option : **A**

Q.11

What is correcting errors in a program called?

- A. Interpreting
- B. Translating
- C. Debugging
- D. Compiling

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957413

Status : Answered

Chosen Option : A

Q.12

The contents of information are stored in \_\_\_\_\_.

- A. Memory data register
- B. Memory address register
- C. Memory access register
- D. Memory arithmetic register

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957394

Status : Answered

Chosen Option : C

Q.13

What technology of memory is cache RAM usually?

- A. DRAM
- B. SRAM
- C. Flash
- D. ESRAM

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957408

Status : Answered

Chosen Option : C

Q.14

Which of the following is used to write web pages?

- A. URL
- B. HTML
- C. HTTP
- D. FTP

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957412

Status : Answered

Chosen Option : A

Q.15

Computer read which type code?

- A. Character
- B. English letter
- C. Binary code
- D. Integer

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957405**  
Status : **Answered**  
Chosen Option : **C**

Q.16

Packet transmission is related to \_\_\_\_\_.

- A. Application layer
- B. Transport layer
- C. Data link layer
- D. Network layer

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957400**  
Status : **Answered**  
Chosen Option : **D**



Q.17

EPROM consists of:

- A. Bipolar transistors
- B. Easily erasable
- C. MOSFETs
- D. Diodes

Ans  A. A

 B. B

 C. C

 D. D

Question ID : **2233957393**

Status : **Answered**

Chosen Option : **B**

Q.18

Bing is a(n)\_\_\_\_\_.

- A. Software
- B. Search engine
- C. Antivirus
- D. Hardware

Ans  A. A

 B. B

 C. C

 D. D

Question ID : **2233957406**

Status : **Answered**

Chosen Option : **B**

Q.19

A byte can hold one \_\_\_\_\_ of data.

- A. Bit
- B. Binary digit
- C. Character
- D. Kilobyte

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957398

Status : Answered

Chosen Option : A

Q.20

What type of port sends data one bit at a time?

- A. Serial
- B. Parallel
- C. USB
- D. FireWire

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957409

Status : Answered

Chosen Option : A

Q.21

The most popular secondary storage today is:

- A. Magnetic tape
- B. Floppy disk
- C. Mass storage
- D. Semi conductor

Ans  A. A B. B C. C D. DQuestion ID : **2233957396**Status : **Answered**Chosen Option : **C**

Q.22

The CPU and memory are located on the:

- A. Expansion board
- B. Mother board
- C. Storage device
- D. Output device

Ans  A. A B. B C. C D. DQuestion ID : **2233957402**Status : **Answered**Chosen Option : **B**

Q.23

Which of the following wafer used the memory cells to etched?

- A. Platinum wafer
- B. Gold wafer
- C. Silicon wafer
- D. Germanium wafer

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957392

Status : Answered

Chosen Option : C

Q.24

A tuple is a\_\_\_\_\_.

- A. Column of a table
- B. Two-Dimensional table
- C. Row of table
- D. Key of a table

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957403

Status : Answered

Chosen Option : D

Q.25

What kind of server converts IP addresses to domain names?

- A. RTP
- B. UTP
- C. MNS
- D. DNS

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957407

Status : Answered

Chosen Option : B

Section : Analytical and Logical Reasoning

Q.1

In the series AB, EDC, FGHI, \_\_\_\_\_, OPQRST; the missing term is:

- A. JKLM
- B. NMLKJ
- C. JMKNL
- D. NMKLJ

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957417

Status : Answered

Chosen Option : A

Q.2

If 'LONDON' is written as 'QNBLPQ' how will 'DENCIL' be coded?

- A. GFANLK
- B. GFALNK
- C. GFAKLN
- D. GFLAKN

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957438

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.3

What was the day of the week is 15<sup>th</sup> Aug 2020?

- A. Thursday
- B. Friday
- C. Saturday
- D. Sunday

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957421

Status : Answered

Chosen Option : C

Q.4

In an accurate clock showing 9:30 a.m. What is its Mirror image?

- A. 1:30
- B. 2:30
- C. 3:30
- D. 4:30

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957423

Status : Answered

Chosen Option : B

Q.5

What should come next in the series: Q11F, S14E, U17D, \_\_\_\_\_?

- A. W20C
- B. W20B
- C. X21A
- D. X20C

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957418

Status : Answered

Chosen Option : A

Q.6

Find the number of triangles in the given figure.



- A. 8
- B. 10
- C. 12
- D. 14

Ans ☒ A. A  
☒ B. B  
☒ C. C  
☒ D. D

Question ID : 2233957420

Status : Answered

Chosen Option : B

Q.7

In a code language if 'TABLE' is written as 'GZYOV', the 'JUICE' is written in that:

- A. QFRXV
- B. QFXRV
- C. QFRVX
- D. QRFVX

Ans ☒ A. A  
☒ B. B  
☒ C. C  
☒ D. D

Question ID : 2233957431

Status : Not Attempted and  
Marked For Review

Chosen Option : --



Q.8

Look at this series: 0, 6, 24, 60, \_\_\_\_\_. What number should come next?

- A. 110
- B. 115
- C. 120
- D. 125

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957416

Status : Answered

Chosen Option : B

Q.9

Look at this series: 0.5, 1.5, 4.5, 13.5, \_\_\_\_\_. What number should come next?

- A. 30.5
- B. 35.5
- C. 40.5
- D. 45.5

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957433

Status : Answered

Chosen Option : C

Q.10

In a row of girls, Ramya is fifth from the left and priya is sixth from the right. When they exchange their positions, then Ramya becomes thirteenth from the left. What will be Priya's position from the right?

- A. 14
- B. 12
- C. 9
- D. 7

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957427

Status : Marked For Review

Chosen Option : A

**Q.11** January 1<sup>st</sup>, 2021 was a Friday. What day of week lies on December 31<sup>st</sup>, 2021?

- A. Thursday
- B. Friday
- C. Saturday
- D. Sunday

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957436**

Status : **Marked For Review**

Chosen Option : **B**

**Q.12** A man walks 5 km towards south and then turns to the right. After walking 3 km he turns to the left and walks 5 km. Now in which direction is he from the starting place?

- A. West
- B. South
- C. North-East
- D. South-West

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957425**

Status : **Answered**

Chosen Option : **B**

**Q.13** Look at this series: 3, 12, 27, 48, 75, \_\_\_\_\_. What should come next?

- A. 100
- B. 104
- C. 108
- D. 112

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957428**

Status : **Answered**

Chosen Option : **C**

Q.14

Choose the number which is different from others in the group:

- A. 248
- B. 326
- C. 329
- D. 414

Ans ☒ A. A  
☒ B. B  
☒ C. C  
☒ D. D

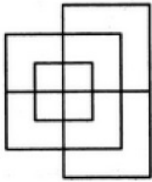
Question ID : 2233957419

Status : Answered

Chosen Option : C

Q.15

Find the minimum number of straight lines required to make the given figure.



- A. 13
- B. 15
- C. 17
- D. 19

Ans ☒ A. A  
☒ B. B  
☒ C. C  
☒ D. D

Question ID : 2233957422

Status : Answered

Chosen Option : D

Q.16

Three of the following from a group. Find the Odd one.

- A. FDI
- B. NLQ
- C. SQW
- D. USX

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957434

Status : Answered

Chosen Option : C

Q.17

In a code language, **MANGO** is written as **50** and **LEMON** is written as **59**, then **COVID** is written in the same code as:

- A. 52
- B. 53
- C. 54
- D. 55

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957424

Status : Answered

Chosen Option : C

Q.18 How many times are the hands of a clock at right angle in a day?

- A. 22
- B. 24
- C. 44
- D. 48

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957440  
Status : Answered  
Chosen Option : D

Q.19 At what time between 9 and 10 will the hands of a clock be in the straight line, but not together?

- A. 16 minutes past 9
- B.  $16\frac{4}{11}$  minutes past 9
- C.  $16\frac{6}{11}$  minutes past 9
- D.  $16\frac{9}{11}$  minutes past 9

Ans  A. A  
 B. B  
 C. C  
 D. D

Question ID : 2233957439  
Status : Answered  
Chosen Option : B

**Q.20** Look at this series: 9, 19, 40, 83, \_\_\_\_\_. What number should come next?

- A. 155
- B. 160
- C. 165
- D. 170

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957435**  
Status : **Answered**  
Chosen Option : **B**

**Q.21** Look at this series: 8, 6, 9, 23, 87, \_\_\_\_\_. What number should come next?

- A. 128
- B. 226
- C. 324
- D. 429

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957437**  
Status : **Marked For Review**  
Chosen Option : **A**

**Q.22** Look at this series: 121, 225, 361, \_\_\_\_\_. What number should come next?

- A. 526
- B. 527
- C. 528
- D. 529

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957432**  
Status : **Answered**  
Chosen Option : **D**

**Q.23** Look at this series: 3, 12, 27, 48, 75, \_\_\_\_\_. What should come next?

- A. 100
- B. 104
- C. 108
- D. 112

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957429**  
Status : **Answered**  
Chosen Option : **C**

**Q.24** If A is the brother of B; B is the sister of C; and C is the father of D, How D is related to A?

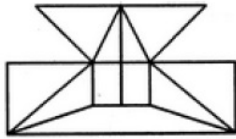
- A. Sister
- B. Brother
- C. Nephew
- D. Cannot be determined

**Ans**  A. A  
 B. B  
 C. C  
 D. D

Question ID : **2233957426**  
Status : **Answered**  
Chosen Option : **D**

Q.25

Find the minimum number of straight lines required to make the given figure



- A. 16
- B. 17
- C. 18
- D. 19

Ans ☒ A. A  
☒ B. B  
☒ C. C  
☒ D. D

Question ID : 2233957430

Status : Answered

Chosen Option : A