

FINAL ANSWER KEY

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Question1:-Who was the founder editor of the Magazine "Yukthivadi"?

A:-Sahodaran Ayyappan

B:-Ayyankali

C:-Dr.Palpu

D:-Pandit K P Karuppan

Correct Answer:- Option-A

Question2:-The slogan for the Asian Games held at Incheon in 2014

A:-Green,Clean and Friendship

B:-We clear, We share, We win

C:-Diversity shines here

D:-None of these

Correct Answer:- Option-C

Question3:-"Visakhavijayam" is the work of?

A:-Kodungallur Kunhikkuttan Thampuran

B:-Kerala Varma Valiyakoyi Thampuran

C:-Kumaran Assan

D:-Ulloor S Parameswara Iyer

Correct Answer:- Option-B

Question4:-The 25th anniversary of the Fall of Berlin Wall was celebrated in ..?

A:-1989 November 9

B:-1961 November 9

C:-2013 November 9

D:-2014 November 9

Correct Answer:- Option-D

Question5:-Who was the Maharaja of Travancore during the Abstention Movement?

A:-Sri Chithira Thirunal

B:-Visakhham Thirunal

C:-Sri Moolam Thirunal

D:-Swathi Thirunal

Correct Answer:- Option-A

Question6:-The first European Union country which recognized the state of Palestine?

A:-Germany

B:-Italy

C:-Sweden

D:-England

Correct Answer:- Option-C

Question7:-Duleep Trophy is associated with?

A:-Football

B:-Volleyball

C:-Basketball

D:-Cricket

Correct Answer:- Option-D

Question8:-'Jeevitha Samaram' is the autobiography of....?

A:-TK Madhavan

B:-C Kesavan

C:-K P Kesavamenon

D:-K Kelappan

Correct Answer:- Option-B

Question9:-The first woman High Court Judge in India?

A:-Anna Chandy

B:-Akkamma Cheriyan

C:-Arya Pallam

D:-AV Kuttimalu Amma

Correct Answer:- Option-A

Question10:-'Rashtriya Ekta Diwas' was observed on 31st October 2014 to commemorate the birth anniversary of ...?

A:-Dadabhai Naoroji

B:-Gopalakrishna Gokhale

C:-Sardar Vallabhbhai Patel

D:-Mahatma Gandhi

Correct Answer:- Option-C

Question11:-The eigen value of the matrix $A = \begin{bmatrix} \cos\theta & -\sin\theta \\ \sin\theta & \cos\theta \end{bmatrix}$ is

A:- $\exp \pm i\theta/2$

B:- $\exp \pm 2i\theta$

C:- $\exp \pm 3i\theta$

D:- $\exp \pm i\theta$

Correct Answer:- Option-D

Question12:- The necessary condition for the function $f(Z)$ to be analytic at the point Z is

A:- $\frac{\partial U}{\partial y} = \frac{\partial V}{\partial x}$ and $\frac{\partial U}{\partial x} = \frac{\partial V}{\partial y}$

B:- $\frac{\partial U}{\partial x} = \frac{\partial V}{\partial y}$ and $\frac{\partial V}{\partial x} = -\frac{\partial U}{\partial y}$

C:- $\frac{\partial U}{\partial x} = \frac{\partial U}{\partial y}$ and $\frac{\partial V}{\partial x} = -\frac{\partial V}{\partial y}$

D:- $\frac{\partial U}{\partial x} = \frac{\partial U}{\partial y}$ and $\frac{\partial V}{\partial x} = -\frac{\partial V}{\partial y}$

Correct Answer:- Option-B

Question13:-The residue of $\frac{z}{(z-a)(z-b)}$ at infinity is

A:- a/b

B:- $-b/a$

C:-1

D:- -1

Correct Answer:- Option-D

Question14:- Which one of the following is a tensor of order zero, if **A** and **B** are vectors?

A:-**A + B**

B:-**A - B**

C:-**A . B**

D:-**A x B**

Correct Answer:- Option-C

Question15:- A_{ij} and B_{ij} represent symmetric and anti symmetric real valued tensor respectively in three dimension. The number of independent components of A_{ij} and B_{ij} are

A:-3 and 6

B:-6 and 3

C:-6 and 6

D:-9 and 6

Correct Answer:- Option-B

Question16:-If $F(s)$ is the Laplace transform of $F(t)$ the Laplace transform of $F(at)$ is

A:- $\frac{1}{a} F(s)$

B:- $\frac{1}{a} F(s/a)$

C:- $F(s)$

D:- $F(s/a)$

Correct Answer:- Option-B

Question17:-The matrix $\begin{bmatrix} 0 & -1 & 0 \\ 1 & 0 & 0 \\ 0 & 0 & 1 \end{bmatrix}$ is

A:-orthogonal

B:-hermitian

C:-anti symmetric

D:-None of the above

Correct Answer:- Option-A

Question18:-If H is Hermitian matrix then $\exp(iH)$ will be

A:-hermitian

B:-anti hermitian

C:-unitary

D:-orthogonal

Correct Answer:- Option-C

Question19:-Orthogonal property of Legendre's polynomial is given by

A:- $\int_{-1}^1 P_m(x)P_n(x)dx=0$ $m \neq n$

B:- $\int_{-1}^1 P_m(x)P_n(x)dx=1$ $m \neq n$

C:- $\int_0^1 P_m(x)P_n(x)dx=0$ $m \neq n$

D:- $\int_0^1 P_m(x)P_n(x)dx=0$ $m \neq n$

Correct Answer:- Option-A

Question20:-Find the value of $\Gamma(5/2)$ i.e gamma (5/2)

A:- $(3\sqrt{\pi})/4$

B:- $(\sqrt{\pi})/2$

C:- $(15\sqrt{\pi})/8$

D:- $(\sqrt{\pi})/3$

Correct Answer:- Option-A

Question21:-A particle of mass m is bound by a linear potential $U=kr$. For what energy will the orbit be a circle of radius r about the origin

A:- $(3kr)/2$

B:- $3kr$

C:- kr

D:- $(kr)/2$

Correct Answer:- Option-A

Question22:-Two circular discs have the same mass m and same thickness t. Disc one has uniform density less than that of disc two. Which of the following is correct.

A:-Disc two has larger moment of inertia

B:-Disc one has larger moment of inertia

C:-Both have same moment of inertia

D:-Can not be predicted from given data.

Correct Answer:- Option-B

Question23:-Consider motion of a particle of mass m under the influence of a force $F=-kr$, where k is a positive constant and r is the position vector of the particle. Now the orbit will be

A:-Ellipse

B:-Along a line

C:-Circle

D:-Parabola

Correct Answer:- Option-A

Question24:-A violin string 0.5m long has a fundamental frequency 200Hz. At what speed does a transverse pulse travel on this string?

A:-100m/s

B:-400m/s

C:-200m/s

D:-300m/s

Correct Answer:- Option-C

Question25:-Consider the longitudinal vibration of a linear triatomic molecule with two atoms of mass m each symmetrically situated on either sides of an atom of mass M. Now which of the following is a normal mode frequency of the system, if we use a spring model

A:- \sqrt{kM}

B:- \sqrt{km}

C:-0

D:- \sqrt{kMm}

Correct Answer:- Option-C

Question26:-Number of generalized coordinates required to describe the motion of a particle of mass m constrained to move on the surface of a sphere of radius R are

A:-3

B:-1

C:-0

D:-2

Correct Answer:- Option-D

Question27:-The Hamiltonian of a particle in a central potential $V(r)$ is

A:- $(p^2)/(2m)$

B:- $(p^2)/(2m) + V(r)$

C:- $(p^2)/(2m) - V(r)$

D:- $(p^2)/(2m) + \text{grad}V(r)$

Correct Answer:- Option-B

Question28:-Two particles of same mass m are emitted in the same direction with momenta $5mc$ and $10mc$ respectively (c is the speed of light). As seen from the slower one, what is the speed of the faster particle?

- A:-0.595c
- B:-0.425c
- C:-0.795c
- D:-0.85c

Correct Answer:- Option-A

Question29:-Which of the following has positive intrinsic curvature?

- A:-Saddle
- B:-Plane
- C:-Sphere
- D:-Cylinder

Correct Answer:- Option-C

Question30:-A particle is constrained to move on a plane, where it is attracted towards a fixed point with force is inversely proportional to square of the distance from the point. What is the Lagrangian of the particle in polar coordinates?

- A:- $\frac{1}{2}m\dot{r}^2 + mr^2\dot{\theta}^2 - \frac{k}{r}$
- B:- $\frac{1}{2}m\dot{r}^2 - \frac{k}{r}$
- C:- $\frac{1}{2}m\dot{r}^2 - \frac{k}{r^2}$
- D:- $\frac{1}{2}m\dot{r}^2 + \frac{1}{2}mr^2\dot{\theta}^2 - \frac{k}{r}$

Correct Answer:- Option-A

Question31:-The de-Broglie wavelength of an electron accelerated to a potential difference of V volts is

- A:- $\frac{12.27}{\sqrt{V}}$ Å
- B:- $\frac{h}{\sqrt{2mE}}$
- C:- $\frac{h}{\sqrt{2mkT}}$
- D:- $\frac{12.27}{\sqrt{meV}}$ Å

Correct Answer:- Option-A

Question32:-The electron orbit in a ground state hydrogen atom is in circumference equals to

- A:-one de-Broglie wave length
- B:-Two de-Broglie wave length
- C:-Ten de-Broglie wave length
- D:-Twelve and half de-Broglie wave length

Correct Answer:- Option-A

Question33:-In case more than one linearly independent wave functions belong to the same energy E , the level is said to be

- A:-orthogonal
- B:-orthonormal
- C:-degenerate
- D:-non-degenerate

Correct Answer:- Option-C

Question34:-The particle confined within the potential well displays

- A:-discrete series of energy
- B:-continuous series of energy
- C:-both continuous and discrete series at time
- D:-none of the above

Correct Answer:- Option-A

Question35:-If the uncertainty in momentum Δp_x is known, then Δp_y will be

- A:-equal to Δp_x
- B:- $3.33 \times 10^{-10} \Delta p_x$
- C:- $0.5 \times 10^{-10} \Delta p_x$
- D:-impossible to say

Correct Answer:- Option-D

Question36:-A golf ball of 46 gm travels at 30 m/s. The wave length associated with it is

- A:- 4.8×10^{-34} m
- B:- 0.48×10^{-34} m
- C:- 4.8×10^{-36} m
- D:- 0.048×10^{-34} m

Correct Answer:- Option-A

Question37:-Since electrons has an intrinsic magnetic dipole moment due to its spin, the electron interacts with the external magnetic field and the operator for this moment is $\hat{\mu}$ is

- A:- $\frac{eh}{4\pi m} \hat{\sigma}$

- B: $-\frac{e\hbar}{8\pi m} \hat{\sigma}$
 C: $-\frac{e\hbar}{4(h/2\pi)} \hat{\sigma}$
 D: $-\frac{e\hbar}{2(h/2\pi)} \hat{\sigma}$
 Correct Answer: Option-A

Question38:-A wave function is said to be symmetric if the interchange of any pair of particles

- A:-changes the sign of ψ
 B:-does not change the sign of ψ
 C:-change or does not change ψ
 D:-none of the above is true

Correct Answer: Option-B

Question39:-The value of $[\hat{L}_x, \hat{L}_y]$ is

- A: $-i(\hbar/2\pi) L$
 B: $-i(\hbar/2\pi) \hat{L}_z$
 C: zero
 D: $-i \hat{L}_z$

Correct Answer: Option-B

Question40:-Find the correct relation

- A: $H\psi = i(\hbar/2\pi) \frac{d\psi}{dx}$
 B: $H\psi = i(\hbar/2\pi) \frac{d\psi}{dt}$
 C: $H\psi = \left(\frac{\hbar^2}{8m} \frac{d^2}{dx^2} + V \right) \psi$
 D: $H\psi = (\hat{p}^2 + \hat{V}) \psi$

Correct Answer: Option-B

Question41:-If a material has a conductivity of 25 S/m and relative permittivity of 80, then at a frequency of 3 GHz the material will act as

- A:-insulator
 B:-conductor
 C:-perfect dielectric
 D:-none of the above

Correct Answer: Option-B

Question42:-For normal incidence at an air glass interface with refractive index of 1.5 the fraction of energy reflected is given by

- A:-0.40
 B:-0.2
 C:-0.16
 D:-0.04

Correct Answer: Option-D

Question43:-Which of the following current densities \mathbf{J} can generate the magnetic vector potential $\mathbf{A} = y^2\mathbf{i} + x^2\mathbf{j}$

- A: $-2(x\mathbf{i} + y\mathbf{j})/\mu_0$
 B: $-2(i + j)/\mu_0$
 C: $-2(i - j)/\mu_0$
 D: $-2(xi - yj)/\mu_0$

Correct Answer: Option-B

Question44:- Find out the correct relation between magnetic field \mathbf{B} and electric field \mathbf{E} , if \mathbf{n} is the unit vector along the direction of propagation

- A: $\mathbf{B} = (\mathbf{n} \times \mathbf{E})/c$
 B: $\mathbf{B} = c(\mathbf{n} \times \mathbf{E})$
 C: $\mathbf{B} = c/(\mathbf{n} \times \mathbf{E})$
 D: $\mathbf{B} = (\mathbf{E} \times \mathbf{n})/c$

Correct Answer: Option-A

Question45:-Neper/meter is the SI unit of

- A:-phase constant
 B:-attenuation constant
 C:-planck's constant
 D:-skin depth

Correct Answer: Option-B

Question46:-A system of N non-interacting classical point particles are constrained to move on the two-dimensional surface of a sphere. The internal energy of the system is

- A: $\frac{3}{2} N k_B T$
 B: $\frac{1}{2} N k_B T$
 C: $\frac{5}{2} N k_B T$

D: $-N k_B T$

Correct Answer:- Option-D

Question47:-The isothermal compressibility of an ideal gas at temperature T and volume V is given by

A: $K = -V \left(\frac{\partial P}{\partial V} \right)_T$

B: $K = V \left(\frac{\partial P}{\partial V} \right)_T$

C: $K = \frac{1}{V} \left(\frac{\partial V}{\partial P} \right)_T$

D: $K = -\frac{1}{V} \left(\frac{\partial V}{\partial P} \right)_T$

Correct Answer:- Option-D

Question48:-What is the temperature of an ideal gas of He atoms, if there are 6×10^{22} atoms occupying 2 litres at atmospheric pressure?

A:-341K

B:-241K

C:-300K

D:-273K

Correct Answer:- Option-B

Question49:-Consider a photon gas enclosed in a volume V and in equilibrium at temperature T. What is the chemical potential of this gas?

A: $-\frac{3}{2} kT$

B: $-\frac{3}{2} \left(\frac{kT}{V} \right)$

C: 0

D: $-\frac{1}{2} kT$

Correct Answer:- Option-C

Question50:-A white dwarf star is supported against gravity by

A:-Electron degeneracy pressure

B:-Radiation pressure

C:-Thermal pressure

D:-Neutron degeneracy pressure

Correct Answer:- Option-A

Question51:-Anomalous Zeeman effect is exhibited by atoms having

A:-zero spin angular momentum

B:-non-zero spin angular momentum

C:-non-zero orbital angular momentum

D:-none of these

Correct Answer:- Option-B

Question52:-The Lande g factor for the 3D1 level of an atom is

A:-1/2

B:-3/2

C:-5/2

D:-7/2

Correct Answer:- Option-A

Question53:-The ratio of intensity of D1 and D2 line of sodium atom is

A:-1:2

B:-2:1

C:-3:2

D:-2:3

Correct Answer:- Option-B

Question54:-Identify the molecule whose vibrations are both Raman and IR active

A: CO_2

B: CS_2

C: H_2O

D: O_2

Correct Answer:- Option-C

Question55:-The term (j_1, j_2) arising from 2s1,2p1 electronic configuration in jj coupling scheme is

A: $(1/2, 3/2)_{(2,1)}$ and $(1/2, 1/2)_{(1,2)}$

B: $(1/2, 3/2)_{(2,1)}$ and $(1/2, 1/2)_{(1,0)}$

C: $(3/2, 5/2)_{(4,3)}$ and $(1/2, 3/2)_{(2,1)}$

D: $(1/2, 1/2)_{(2,1)}$ and $(3/2, 1/2)_{(1,0)}$

Correct Answer:- Option-B

Question56:-Metallic sodium has a BCC structure. Which of the following lines will be absent in the diffraction pattern

A:-(100)

B:-(200)

C:-(110)

D:-(222)

Correct Answer:- Option-A

Question57:-The reciprocal lattice to a BCC lattice is a lattice of type

A:-Simple cubic

B:-BCC

C:-FCC

D:-none of the above

Correct Answer:- Option-C

Question58:-Hall co-efficient gives an indication of

A:-thermal conductivity

B:-specific heat capacity

C:-carrier concentration

D:-None of the above

Correct Answer:- Option-C

Question59:-If the fermi energy of copper is 7.0 eV, what is the corresponding fermi temperature ?

A:-81.2 K

B:-812 K

C:-8120 K

D:-81200 K

Correct Answer:- Option-D

Question60:- Which of the following is not true for type I super conductor

A:-Exhibit complete Meissner Effect

B:-Perfect diamagnetism below T_c

C:-Also known as soft superconductors

D:-Exhibits a vortex state

Correct Answer:- Option-D

Question61:-Average Binding Energy of a nucleon in the nucleus of an atom is

A:-7.8eV

B:-7.8KeV

C:-7.8MeV

D:-7.8BeV

Correct Answer:- Option-C

Question62:-Weak nuclear forces act on

A:-both hadrons and leptons

B:-hadrons only

C:-all particles

D:-all charged particles

Correct Answer:- Option-A

Question63:-An admissible potential between the proton and neutron in a deuteron is

A:-coulomb

B:-harmonic oscillator

C:-finite square well

D:-infinite square well

Correct Answer:- Option-C

Question64:-` Half life of a radio active material is 4 days. After 20 days the fraction remaining undecayed will be

A:-1/32

B:-1/20

C:-1/16

D:-1/8

Correct Answer:- Option-A

Question65:-Nuclear fusion requires high temperature because

A:-all nuclear reactions absorb heat

B:-the particles can not come closer unless they are moving rapidly

C:-the B.E. must be supplied from an external source

D:-mass defect must be supplied

Correct Answer:- Option-B

Question66:-The ripple factor in a rectifier circuit indicates

- A:-amount of a.c. voltage present in output
 - B:-amount of d.c. voltage present in output
 - C:-change in d.c. voltage when input a.c. changes
 - D:-change in d.c. voltage when load. changes
- Correct Answer:- Option-A

Question67:-The cathod of a zener diod in a voltage regulator is normally

- A:-more positive than the anode
 - B:-more negative than the anode
 - C:-at +0.7 V
 - D:-grounded
- Correct Answer:- Option-A

Question68:-An oscillator differs from an amplifier because

- A:-it has more gain
 - B:-it requires no input signals
 - C:-it requires no d.c. supply
 - D:-it always has the same output
- Correct Answer:- Option-B

Question69:-If maximum and minimum amplitudes of an amplitude modulated waves are 10V and 5V respectively, the modulation index is

- A:-2
 - B:-0.5
 - C:-3.3
 - D:-0.33
- Correct Answer:- Option-D

Question70:-Thermal runaway is not possible in FET because as the temperature of FET increases

- A:-the mobility decreases
 - B:-the transconductance increases
 - C:-the drain current increases
 - D:-none of the above
- Correct Answer:- Option-A

Question71:-The dimension of Cantor set is

- A:-0
 - B:-0.631
 - C:-1.683
 - D:-1
- Correct Answer:- Option-B

Question72:-The fixed points of the Logistic map $x_{(n+1)} = a x_{(n)} (1 - x_{(n)})$ are

- A:- $x=0$ and $x=1 - \frac{1}{a}$
 - B:- $x=0$ and $x=1/a$
 - C:- $x=1$ and $x=1/a$
 - D:- $x=1$ and $x=1 - \frac{1}{a}$
- Correct Answer:- Option-A

Question73:-A stable and unstable fixed point collide each other and vanish as the control parameter is decreased in

- A:-Hopf bifurcation
 - B:-Pitchfork bifurcation
 - C:-Transcritical bifurcation
 - D:-Saddle node bifurcation
- Correct Answer:- Option-D

Question74:-If $|0\rangle$ and $|1\rangle$ are eigen states of number operator which of these represent a state orthogonal to $\frac{1}{\sqrt{2}}(|0\rangle + |1\rangle)$

- A:- $\frac{1}{\sqrt{2}}(|0\rangle - |1\rangle)$
 - B:- $\frac{1}{\sqrt{2}}(|0\rangle + |1\rangle)$
 - C:- $|1\rangle$
 - D:- $|0\rangle$
- Correct Answer:- Option-A

Question75:-If $|n\rangle$ represent an eigen vector of number operator with eigen value n , the state $a^n |n\rangle$ has eigen value

- A:- n
- B:- $n+1$

C:- $n(n+1)$

D:- $n-1$

Correct Answer:-**Question Cancelled**

Question76:-Among the following, the fullerene also known as "bucky ball" is

A:- $C_{(70)}$

B:- $C_{(60)}$

C:- $C_{(76)}$

D:- $C_{(78)}$

Correct Answer:- Option-B

Question77:-Which among the following is a quantum dot?

A:- $CdSe$

B:- TiO_2

C:- SnO_2

D:- YCo_2

Correct Answer:- Option-A

Question78:-The temperature of cosmic background radiation is

A:-6K

B:-9.7K

C:-7.3K

D:-2.7K

Correct Answer:- Option-D

Question79:-Name the person who won Nobel prize in physics in 2011 for predicting the accelerating expansion of universe?

A:-R Feynmann

B:-Eric Drexler

C:-Paul Steinhardt

D:-S Perlmutter

Correct Answer:- Option-D

Question80:-The interaction which changes the flavor of a quark is?

A:-Strong interaction

B:-Electromagnetic interaction

C:-Weak interaction

D:-Gravitational interaction

Correct Answer:- Option-C

Question81:-The SE of the sample mean

A:-decreases in direct proportion to the sample

B:-decreases in inverse proportion to the sample

C:-increases in direct proportion to the sample

D:-does not depend on sample size

Correct Answer:- Option-B

Question82:-In an experimental research, a particular group is subjected to an innovative intervention and studied by way of its effects. Which of the following design will you consider suit the study?

A:-After-only experimental design

B:-Pre-post experimental design

C:-Ex-post facto design

D:-Panel study design

Correct Answer:- Option-B

Question83:-Operational definition of a variable means defining it in a way that

A:-identifies specific behaviour in which it is reflected

B:-makes it possible to understand the variable

C:-makes research methodology clearer to the reader

D:-differentiates it from the other similar variables

Correct Answer:- Option-C

Question84:-Systematic sampling is a type of

A:-purposive sampling

B:-quota sampling

C:-non probability sampling

D:-random sampling

Correct Answer:- Option-D

Question85:-A publication which has significant reproduction of content from a previously published article without proper reference or acknowledgement is

- A:-a redundant publication
- B:-an original publication
- C:-an authentic publication
- D:-a manuscript of a publication

Correct Answer:- Option-A

Question86:-Teaching in higher education is mainly for

- A:-preparing students fit for seeking job
- B:-lecturing on the information as per syllabus requirements
- C:-helping students in learning 'how to learn'
- D:-helping students to prepare for and pass the examination for securing a degree

Correct Answer:- Option-C

Question87:-The activities related to a topic done in the form of 'reflective practicum' will help students

- A:-get experiential learning
- B:-acquire problem solving skill
- C:-develop divergent thinking
- D:-all of the above

Correct Answer:- Option-D

Question88:-The most suitable method for learning disabled children is

- A:-behaviour guidance method
- B:-remedial teaching
- C:-brain storming
- D:-none of the above

Correct Answer:- Option-A

Question89:-'Professional and humane teachers' has been put forth as its prime objective by

- A:-NCF-2007
- B:-NCFTE-2010
- C:-NKC-Blue print -2007
- D:-UGC VI pay Commission

Correct Answer:- Option-B

Question90:-The propounder of 'meaningful reception learning' is

- A:-Bruner
- B:-Bloom
- C:-Ausubel
- D:-Skinner

Correct Answer:- Option-C

Question91:-Which one of the following type of justice is not mentioned in the Preamble of the Indian Constitution?

- A:-Political Justice
- B:-Social Justice
- C:-Economic Justice
- D:-None of the above

Correct Answer:- Option-D

Question92:-Which is the Fundamental Right omitted from Article 19 of the Constitution by The Constitution (44th Amendment) Act,1978?

- A:-Right to acquire, hold and dispose of property.
- B:-Right to freedom of speech and expression.
- C:-Right to practice any profession or to carry on any occupation, trade or business.
- D:-Right to form associations or unions.

Correct Answer:- Option-A

Question93:-What is the quorum to constitute a meeting of either house of the Parliament?

- A:-1/5th of the total number of members of the House.
- B:-1/10th of the total number of members of the House.
- C:-1/3rd of the total number of members of the House.
- D:-None of the above

Correct Answer:- Option-B

Question94:-What is the ground for declaration of emergency in a State under Article 356 of the Constitution?

- A:-War.
- B:-External aggression.

C:-Failure of constitutional machinery.

D:-Armed rebellion.

Correct Answer:- Option-C

Question95:-The President of India shall be elected by the members of an electoral college consisting of

A:-Elected members of Lok Sabha.

B:-Elected members of both Houses of Parliament.

C:-Elected members of the Legislative Assemblies of the States.

D:-Elected members of both Houses of Parliament and elected members of the Legislative Assemblies of the States.

Correct Answer:- Option-D

Question96:-Which is the Court with jurisdiction to decide cases under Protection of Women from Domestic Violence Act, 2005?

A:-Assistant Sessions Judge

B:-Chief Judicial Magistrate

C:-District/Sessions Judge

D:-Judicial First Class Magistrate

Correct Answer:- Option-D

Question97:-Designation of the Presiding Judge in Juvenile Justice Board under Juvenile Justice (Care and Protection of Children) Act, 2006

A:-Judicial First Class Magistrate

B:-Principal Magistrate

C:-Chief Judicial Magistrate

D:-None of the above

Correct Answer:- Option-B

Question98:-Denote the section enlisting the exemption from disclosure of information according to Right to Information Act, 2005

A:-Section 2

B:-Section 5

C:-Section 8

D:-Section 15

Correct Answer:- Option-C

Question99:-Rule making power under Section 6 of Environment (Protection) Act, 1986 is entrusted with

A:-The Central Government

B:-The State Government

C:-The Pollution Control Board

D:-District Authorities

Correct Answer:- Option-A

Question100:-Days of employment ensured by the Mahatma Gandhi National Rural Employment Guarantee Act as per the existing law?

A:-100

B:-120

C:-160

D:-180

Correct Answer:- Option-A