PROVISIONAL ANSWER KEY

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Alphacode	A

Question1:-Two lines are intersect in a point. How many angles are formed?
    A:-2
    B:-4
    C:-8
    D:-10
    Correct Answer:- Option-B

Question2:-How many edges are in a square pyramid?
    A:-4
    B:-12
    C:-8
    D:-5
    Correct Answer:- Option-C

Question3:-A solid body with length, breadth and height are equal, what is its name?
    A:-Rectangle
    B:-Circle
    C:-Cube
    D:-Parallelogram
    Correct Answer:- Option-C

Question4:-6, 10, 12, 15, 16, 18, 21. What is its Arithmetic Mean?
    A:-12
    B:-14
    C:-15
    D:-18
    Correct Answer:- Option-B

Question5:-What is the total surface area of a sphere with its radius 2.5 cm?
    A:-6.25 Π cm^2
    B:-2.5 Π cm^2
    C:-25 Π cm^2
    D:-3.14 cm^2
    Correct Answer:- Option-C

Question6:-What is sin 45°?
    A:-$\sqrt{2}$
    B:-1
    C:-$\sqrt{3}$
    D:-$\frac{1}{\sqrt{2}}$
    Correct Answer:- Option-D

Question7:-In a parallelogram one side is 15 cm and distance from this side to its opposite side is 9 cm, what is its area?
    A:-135 cm^2
    B:-67.5 cm^2
    C:-80 cm^2
    D:-24 cm^2
    Correct Answer:- Option-A

Question8:-Find the value of $0.05 + 1\frac{1}{2} + 2.45$
    A:-4
    B:-5
    C:-4.05
    D:-3.45
    Correct Answer:- Option-A

Question9:-Find the value of $2\frac{8}{11} + 3\frac{4}{12}$
    A:- $5\frac{12}{23}$
    B:-$\frac{200}{33}$
    C:-$\frac{100}{33}$
    D:-$\frac{90}{43}$
    Correct Answer:- Option-B

Question10:-The trigonometric term 'Tangent' is originate from
    A:-French
    B:-Greek
    C:-Latin
    D:-Arabic
    Correct Answer:- Option-C

Question11:-If $5^2 \times 5^4 \times 5^6 \times ... \times 5^{2n} = (0.04)^{-28}$, what is the value of '$n$' ?
    A:-8
    B:-7
    C:-14
    D:-12
    Correct Answer:- Option-B

Question12:-30°, 60°, 90° are the angles of a triangle; opposite side of 30° is two metre, what is the length of side opposite to 60°?
    A:-$\sqrt{3}$
    B:-$\frac{2}{\sqrt{3}}$
    C:-$2\sqrt{3}$
    D:-$\frac{1}{\sqrt{2}}$
    Correct Answer:- Option-C

Question13:-A sector with radius 18 cm and centre angle 60°. While folding to make a cone, what will be the radius of that cone?
    A:-3 cm
    B:-9 cm
    C:-30 cm
    D:-36 cm
    Correct Answer:- Option-A

Question14:-If $x_n = (n+1)^2 - (n-1)^2$, what is its x_2 ?
    A:-10
    B:-12
    C:-20
    D:-8
    Correct Answer:- Option-D

Question15:-Find the half of 2^{14}.
    A:-2^7
    B:-1^7
    C:-7^2
    D:-2^{13}

Correct Answer:- Option-D

Question16:-The sides of a triangle are 10 cm, 13 cm, 13 cm. What is its area?

A:-60cm^2

B:-36cm^2

C:-130cm^2

D:-13cm^2

Correct Answer:- Option-A

Question17:-Sum of first ' n ' terms of an arithmetic sequence is $2n^2+3n$, what is its second term?

A:-9

B:-8

C:-10

D:-4

Correct Answer:- Option-A

Question18:- $x^2-x-6=0$, what are the two factors of this equation?

A:- $(x+2)(x+3)$

B:- $(x-3)(x+2)$

C:- $(x-2)(x-3)$

D:- $(x+3)(x-2)$

Correct Answer:- Option-B

Question19:-An equilateral triangle with one side 8 cm. What is the radius of its incircle?

A:-4

B:-6

C:- $\frac{4}{\sqrt{3}}$

D:-2

Correct Answer:- Option-C

Question20:-In a right angled triangle, small sides are 3.5 cm; 2.5 cm; what is its hypotenuse?

A:-6

B:-4.3

C:-3.5

D:-5.5

Correct Answer:- Option-B

Question21:-Which major port in India is known as ''Offspring of Partition''?

A:-Haldia

B:-Kandla

C:-Nawashewa

D:-Mumbai

Correct Answer:- Option-B

Question22:-On which river in India does the Dhuan Dhar waterfall situate?

A:-Yamuna

B:-Mahanadi

C:-Kosi

D:-Narmada

Correct Answer:- Option-D

Question23:-Which soil in India is known as 'Self-Ploughing Soil'?

A:-Red soil

B:-Laterate soil

C:-Black soil

D:-Alluvial soil

Correct Answer:- Option-C

Question24:-Which among the following personality called Bharathappuzha ''Sokanasini''?

A:-Kunchan Nambiar

B:-Ezhuthachan

C:-Vallathol

D:-M.T. Vasudevan Nair

Correct Answer:- Option-B

Question25:-The only Malayalee who was one among the eight personalities who prepared the ''Bombay Plan''?

A:-E. Sreedharan

B:-V.K. Krishna Menon

C:-John Mathai

D:-M.S. Swaminathan

Correct Answer:- Option-C

Question26:-At which of the following central jail, Bhagat Singh was hanged to death?

A:-Alipur

B:-Lahore

C:-Amritsar

D:-Thihar

Correct Answer:- Option-B

Question27:-Who among the following organized the Ganapathi and Shivaji festivals to awaken mass consciousness?

A:-Bankim Chandra Chatterjee

B:-Swami Vivekananda

C:-Bal Gangadhar Tilak

D:-Surendranath Banerjee

Correct Answer:- Option-C

Question28:-Who is known as ''India's Unofficial Ambassador to England''?

A:-Dadabhai Naoroji

B:-Surendranath Banerjee

C:-W.C. Banerjee

D:-Gopalakrishna Gokhale

Correct Answer:- Option-A

Question29:-The Women Unit of Indian National Army (INA) was

A:-Rani of Lakshmi

B:-Rash Bihari Bose

C:-Aruna Asaf Ali

D:-Rani of Jhansi

Correct Answer:- Option-D

Question30:-The partition of Bengal was in the year

A:-1905

B:-1911

C:-1885

D:-1909

Correct Answer:- Option-A

Question31:-Who was the author of ''Jaathikkummi''?

A:-Dr. Pulpu

B:-Pandit Karuppan

C:-Kumara Guru

D:-Thycaud Ayya

Correct Answer:- Option-B

Question32:-Who was the founder of ''God's Church of Visible Salvation''?

A:-Kuriakose Elias Chavara

B:-Pope John Paul II

C:-St. Alphonsa

D:-Poikayil Yohannan

Correct Answer:- Option-D

Question33:-The first president of Nair Service Society was

A:-K. Kelappan

B:-Mannath Padmanabhan

C:-Chattampi Swamikal

D:-Pattom Thanu Pillai

Correct Answer:- Option-A

Question34:-Aruvippuram consecration was in the year
A:-1928
B:-1903
C:-1856
D:-1888
Correct Answer:- Option-D

Question35:-What was the original name of Thycaud Ayya Guru?
A:-V.K. Gurukkal
B:-Muthukutty
C:-Subbarayan
D:-Shanmukhadasa
Correct Answer:- Option-C

Question36:-The 35th National Games was held at
A:-Assam
B:-Kerala
C:-Karnataka
D:-Manipur
Correct Answer:- Option-B

Question37:-Swach Bharat Project was launched on
A:-1st March 2014
B:-1st January 2015
C:-1st February 2015
D:-2nd October 2014
Correct Answer:- Option-D

Question38:-Who is the Chief Minister of Bihar?
A:-Tarun Gogoi
B:-Nitish Kumar
C:-Dr. Raman Singh
D:-Manohar Lal
Correct Answer:- Option-B

Question39:-The Scheme "Project Arrow" is related to
A:-Rural Department
B:-Telephone Department
C:-Postal Department
D:-Forest Department
Correct Answer:- Option-C

Question40:-Kailash Satyarthi, the Nobel laureate belongs to which State?
A:-Andhra Pradesh
B:-Bihar
C:-Madhya Pradesh
D:-Assam
Correct Answer:- Option-C

Question41:-When a resistance wire is stretched twice its lenght,its area of cross-section reduced by half.Then its resistance
A:-increases twice
B:-increases 4 times
C:-reduces to half
D:-no change
Correct Answer:- Option-B

Question42:-In a p-type semiconductor,the majority carriers are
A:-electrons
B:-holes
C:-neutrons
D:-protons
Correct Answer:- Option-B

Question43:-When a white light undergo dispersion through a triangular glass prism,the colour that deviates the most
A:-violet
B:-red
C:-indigo
D:-yellow
Correct Answer:- Option-A

Question44:-When an explosion occurs 6800m away from a man, then how long after its sound reaches the man(speed of sound in air is 340 m/s)
A:- 2 s
B:-6.8 s
C:-3.4 s
D:-20 s
Correct Answer:- Option-D

Question45:-Time taken by sunlight to reach the earth is approaximately
A:-8½ minutes
B:-8½ seconds
C:-8½ hours
D:-8½ light years
Correct Answer:- Option-A

Question46:-A transformer works on
A:-Self induction
B:-Joule's heating effect
C:-Maxwell's law
D:-Mutual induction
Correct Answer:- Option-D

Question47:-Unit of electric power
A:-Volt
B:-Watt
C:-Ampere
D:-Newton
Correct Answer:- Option-B

Question48:-Einstein's mass-energy relation is
A:-$E=M/c2$
B:-$E=Mc2$
C:-$E=M2c$
D:-$E=Mc/2$
Correct Answer:- Option-B

Question49:-When a body is lifted from the surface of the earth,acceleration due to gravity(g) on it
A:-increases
B:-remains the same
C:-first increases and then decreases
D:-decreases
Correct Answer:- Option-D

Question50:-During free fall of a body,its weight
A:-decreases
B:-increases
C:-no weight
D:-none of the above
Correct Answer:- Option-C

Question51:-A gas can be liquified by,
A:-High temperature and high pressure
B:-Low temperature and low pressure
C:-Low temperature and high pressure
D:-High temperature and low pressure
Correct Answer:- Option-C

Question52:-At constant pressure, the volume of a fixed mass of gas is directly proportional to its temperature in Kelvin scale. This is known as,

A:-Boyle's law
B:-Charles' law
C:-Avogadro's law
D:-Hentry's law
Correct Answer:- Option-B

Question53:-36g of water contains
A:-$2 \times 6.023 \times 10^{23}$ molecules
B:-6.023×10^{23} molecules
C:-6.023×10^{22} molecules
D:-$2 \times 6.023 \times 10^{22}$ molecules
Correct Answer:- Option-A

Question54:-Maximum number that can be accommodated in p subshell is,
A:-2
B:-6
C:-14
D:-10
Correct Answer:- Option-B

Question55:-The metal with maximum electropositivity is,
A:-K
B:-Na
C:-Fe
D:-Cs
Correct Answer:- Option-D

Question56:-An important ore of aluminium is,
A:-Dolomite
B:-Haematite
C:-Bauxite
D:-Carnalite
Correct Answer:- Option-C

Question57:-Maximum close packing can be seen in,
A:-Graphite
B:-Diamond
C:-Glass
D:-Liquids
Correct Answer:- Option-B

Question58:-Value of absolute zero is,
A:--273°C
B:-273°C
C:-0°C
D:-273K
Correct Answer:- Option-A

Question59:-The minimum energy required to remove the most loosely bound electron from an isolated gaseous atom is called its,
A:-Electronegativity
B:-Electropositivity
C:-Ionisation energy
D:-Electron gain enthalpy
Correct Answer:- Option-C

Question60:-Maximum number of electrons that can be accommodated in a shell is,
A:-$2n^2$
B:-n^2
C:-$2n$
D:-n
Correct Answer:- Option-A

Question61:-Which of the following is a unicellular green algae that is motile and with a light sensitive "eyespot"
A:-Chlamydomonas
B:-Hydra
C:-Spirogyra
D:-Chlorella
Correct Answer:- Option-A

Question62:-Plant hormone used in the ripening of fruits is
A:-Auxin
B:-Gibbrellin
C:-Ethylene
D:-Abscissic Acid
Correct Answer:- Option-C

Question63:-A viral disease of plant that spreads through aphides in the following is
A:-Coconut budrot
B:-Bunchytop of banana
C:-Wilt of brinjal
D:-Quick wilt in pepper
Correct Answer:- Option-B

Question64:-Light sensitive proteinacious pigment in plant involved in photomorphogenesis is
A:-Cytochrome
B:-Chlorophyll
C:-Phytohormone
D:-Phytochrome
Correct Answer:- Option-D

Question65:-Flowering plants are included under the group
A:-Phanerogams
B:-Cryptogams
C:-Bryophytes
D:-Lichens
Correct Answer:- Option-A

Question66:-Water and minerals are principally transported in angiosperms through
A:-Xylem parenchyma
B:-Xylem tracheids
C:-Xylem vessels
D:-Xylem fibres
Correct Answer:- Option-C

Question67:-Growth movement of plants in response to gravity is called
A:-Phototropism
B:-Hydrotropism
C:-Chemotropism
D:-Geotropism
Correct Answer:- Option-D

Question68:-Male reproductive organs of a flower are called
A:-Androecium
B:-Gynoecium
C:-Calyx
D:-Corolla
Correct Answer:- Option-A

Question69:-The structure meant for the nourishment of developing embryo in a seed is
A:-Phloem
B:-Pollentube
C:-Leaves
D:-Endosperm
Correct Answer:- Option-D

Question70:-The plant selected by G J Mendel for his genetic experiment is
A:-4' O Clock plant
B:-Garden pea

C:-Sweet pea

D:-Snap dragon

Correct Answer:- Option-B

Question71:-Deficiency of Tocopherol in human body leads to,

A:-Beriberi

B:-Pellagra

C:-Infertility

D:-Scurvy

Correct Answer:- Option-B

Question72:-Example for a uricotelic animal

A:-kangaroos

B:-bony fish

C:-cockroach

D:-frog

Correct Answer:- Option-C

Question73:-The part of brain which controls respiration

A:-cerebrum

B:-cerebellum

C:-medulla oblongata

D:-pons

Correct Answer:- Option-C

Question74:-Acromegaly is due to

A:-hypersecretion of growth hormone

B:-hyposecretion of growth hormone

C:-hypersecretion of ACTH

D:-hyposecretion of ACTH

Correct Answer:- Option-A

Question75:-A child's blood group is O.The parents blood group can not be

A:-A and B

B:-A and A

C:-AB and O

D:-B and O

Correct Answer:- Option-C

Question76:-The nitrogen base which pair with adenine in DNA

A:-uracil

B:-thymine

C:-cytosine

D:-guanine

Correct Answer:- Option-B

Question77:-Which one of the following is the most primitive ancestor of man ?

A:-Homo habilis

B:-Australopithecus

C:-Neanderthal man

D:-Ramapithecus

Correct Answer:- Option-D

Question78:-Kala azar is a disease caused by

A:-fungus

B:-bacteria

C:-virus

D:-protozoa

Correct Answer:- Option-D

Question79:-Majority of Carbon dioxide in human body is transported to lungs

A:-as bicarbonates

B:-as carbonic acid

C:-attached to haemoglobin

D:-attached to leucocytes

Correct Answer:- Option-A

Question80:-Which of the following is a true fish ?

A:-cuttle fish

B:-silver fish

C:-jelly fish

D:-flying fish

Correct Answer:- Option-D

Question81:-One of the girls .... a badminton player.

A:-are

B:-is

C:-were

D:-have been

Correct Answer:- Option-B

Question82:-I am clever,.....?

A:-aren't I?

B:-amn't I?

C:-shall I?

D:-do I?

Correct Answer:- Option-A

Question83:-Raju told me that he ....to go home that day.

A:-wants

B:-will want

C:-has wanted

D:-wanted

Correct Answer:- Option-D

Question84:-Shakespeare ....as the greatest playwright.

A:-is regarded

B:-is regarding

C:-regards

D:-has regarded

Correct Answer:- Option-A

Question85:-Gita is writing an essay ......the new economic policy.

A:-at

B:-on

C:-with

D:-to

Correct Answer:- Option-B

Question86:-If I got a lot of money, I ....buy an aeroplane.

A:-would

B:-will

C:-shall

D:-would have

Correct Answer:- Option-A

Question87:-Mr. Smith, the only foreigner in our group, is ....European.

A:-an

B:-a

C:-the

D:-any

Correct Answer:- Option-B

Question88:-My parents ....Paris last month.

A:-have visited

B:-will have visited

C:-visited

D:-has visited

Correct Answer:- Option-C

Question89:-Nina is ....than Anil.

    A:-clever

    B:-cleverest

    C:-most clever

    D:-cleverer

    Correct Answer:- Option-D

Question90:-We tried our best, but ....not win the match.

    A:-could

    B:-should

    C:-may

    D:-can

    Correct Answer:- Option-A

Question91:-The teacher wanted the students to ....the important points.

    A:-take after

    B:-take off

    C:-take down

    D:-take into

    Correct Answer:- Option-C

Question92:-'Maiden speech' means ....

    A:-a maid's speech

    B:-ready-made speech

    C:-first speech

    D:-a girl's speech

    Correct Answer:- Option-C

Question93:-............is the one word substitute for 'the pen name adopted by a writer'.

    A:-synonym

    B:-pseudonym

    C:-antonym

    D:-homonym

    Correct Answer:- Option-B

Question94:-Which prefix can be used to form the opposite of the word 'gratitude'?

    A:-un

    B:-mis

    C:-dis

    D:-in

    Correct Answer:- Option-D

Question95:-Prima facie means ....

    A:-beautiful face

    B:-prim and proper

    C:-at first view

    D:-prime time

    Correct Answer:- Option-C

Question96:-The story is about a ....between two brothers.

    A:-duel

    B:-duet

    C:-dual

    D:-dude

    Correct Answer:- Option-A

Question97:-Which of the following is the correct spelling?

    A:-asassination

    B:-asasination

    C:-assasination

    D:-assassination

    Correct Answer:- Option-D

Question98:-A group of lions is known as.........

    A:-swarm

    B:-flock

    C:-team

    D:-pride

    Correct Answer:- Option-D

Question99:-The plural form of the word 'criterion' is ....

    A:-criterions

    B:-criteria

    C:-criterias

    D:-criterion

    Correct Answer:- Option-B

Question100:-Which of the following is the synonym of 'attentive'?

    A:-attractive

    B:-servant

    C:-watchful

    D:-tentative

    Correct Answer:- Option-C