

PROVISIONAL ANSWER KEY

Question 64/2023/OL

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Question1:-The placement of rooms/functional spaces in correlation with each other and in due proximity to each other is known as _____.

A:-Aspect

B:-Juxtaposition

C:-Grouping

D:-Circulation

Correct Answer:- Option-C

Question2:-What is the most famous work of Gaudi that is still unfinished?

A:-Park Guell

B:-Casa Batilo

C:-Sagrada Familia

D:-D. Casa Vicens

Correct Answer:- Option-C

Question3:-Whose statement is "Today I am accused of being a revolutionary, yet I confess to having had only one master: the past; and only one discipline: the study of the past."?

A:-Le Corbusier

B:-F L Wright

C:-Oscar Neimeyer

D:-Philip Johnson

Correct Answer:- Option-A

Question4:-The red series of the modular man developed by the master Architect Le Corbusier is based on the height of the _____.

A:-Hip of a Man

B:-Navel of a Man

C:-Shoulder of a Man

D:-Face of a Man

Correct Answer:- Option-B

Question5:-What is the name given to the effect produced by deriving the

maximum benefits from the minimum dimensions of a room?

A:-Privacy

B:-Grouping

C:-Roominess

D:-Compactness

Correct Answer:- Option-C

Question6:-Which among the following is not a design element?

A:-Value

B:-Space

C:-Line

D:-Movement

Correct Answer:- Option-D

Question7:-Bhonga houses have roofs supported by _____ walls.

A:-Flat and cylindrical

B:-Cuboid and cylindrical

C:-Conical and cylindrical

D:-Flat and cuboid

Correct Answer:- Option-C

Question8:-_____ consists of load bearing masonry piers and infill walls with wood runners at floor levels which tie the walls together with floors, all of which get locked together by the force induced by the masonry.

A:-Bhonga house

B:-Pol

C:-Taq

D:-Dhajji

Correct Answer:- Option-C

Question9:-Name the field that deals with the scientific study of human measurements.

A:-Anthropology

B:-Anthrology

C:-Anthropometry

D:-Ergonomics

Correct Answer:- Option-C

Question10:-Which among the following is referred to by Jane Jacob's term "eyes on the street"?

A:-Maintaining a history of the city, by providing art and culture icons on the streets to enable people to relive its history through the eyes of others.

B:-Continuous use of the streets to create a safety for both strangers and residents, clearly distinguishing what is public vs. private space.

C:-Technology mounted on buildings of varying ages and sizes to monitor activity on the street, and to create a neighbourhood watch to alert enforcement authorities.

D:-People living in high-rise buildings that exist in dense urban settings are required to watch their streets as part of their volunteering in the community.

Correct Answer:- Option-D

Question11:-What is meant by pietra-dura?

A:-It was a landscaping technique used by the Romans.

B:-It was a technique for the inlay of precious stones and gems on stone walls.

C:-It was a technique used for placing shrubs and herbs in Japanese gardens.

D:-It was a landscaping technique used by the Greeks.

Correct Answer:- Option-B

Question12:-Palepolis means?

A:-Old city

B:-Great city

C:-Growing city

D:-Abandoned city

Correct Answer:- Option-A

Question13:-Who designed The Interlace, Singapore?

A:-Foster + Partners

B:-OMA

C:-Morphogenesis

D:-Gensler

Correct Answer:- Option-B

Question14:-Orbit Tower built at the London Olympic Park has been designed by

A:-Foster and Partners

B:-Zaha Hadid and Antony Gormley

C:-Anish Kapoor and Cecil Balmond

D:-Richard Rogers and Renzo Piano

Correct Answer:- Option-C

Question15:-Hiroshima Peace Memorial museum in Japan is designed by

A:-Kenzo Tange

B:-Kisho Kurokawa

C:-Tadao Ando

D:-I M Pei

Correct Answer:- Option-A

Question16:-Which among the following are the characteristics of Neo-Plasticism?

A:-Horizontal and vertical lines, primary colors and asymmetry

B:-Zigzag and diagonal lines. secondary colors and symmetry

C:-Horizontal and vertical lines, primary colors and symmetry

D:-Zigzag and diagonal lines, primary colors and asymmetry

Correct Answer:- Option-A

Question17:-Who designed Casa da Musica in Portugal?

A:-Renzo Piano

B:-Rem Koolhaas

C:-Norman Foster

D:-Yana Peel

Correct Answer:- Option-B

Question18:-Who is known as "Father of Contemporary Architecture"?

A:-Louis Sullivan

B:-Frank Gehry

C:-Norman Foster

D:-Le Corbusier

Correct Answer:- Option-A

Question19:-Tuscan and composite orders are associated with

A:-Greek architecture

B:-Byzantine architecture

C:-Islamic architecture

D:-Roman architecture

Correct Answer:- Option-D

Question20:-Name the architect who designed London's Millennium Bridge.

A:-Norman Foster

B:-Renzo Piano

C:-Louis Khan

D:-Frank Gehry

Correct Answer:- Option-A

Question21:-Which among the following is not designed by Eero Saarinen?

A:-TWA Flight Center, John F. Kennedy International Airport

B:-Gateway Arch, St. Louis Missouri

C:-Dulles International Airport, Washington Dc.

D:-John F. Kennedy Presidential Library, Boston

Correct Answer:- Option-D

Question22:-Name the Architect of Guggenheim Museum in Bilbao, Spain

- A:-Louis Khan
- B:-Frank Gehry
- C:-Le Corbusier
- D:-Renzo Piano

Correct Answer:- Option-B

Question23:-_____ is the ism that was developed to advocate the idea that ordinary and depictive expressions are vital and important, but that the sense of their arrangement must be open to the full range of imagination according to the Hegelian Dialectic.

- A:-Brutalism
- B:-Expressionism
- C:-Surrealism
- D:-De-constructivism

Correct Answer:- Option-C

Question24:-Which among the following is not an Art Nouveau Building?

- A:-Villa Majorelle, France
- B:-Las Pozas, Mexico
- C:-Hotel Chile, Argentina
- D:-Fine arts Palace, Mexico

Correct Answer:- Option-B

Question25:-Name the Architect of Guangzhou Opera House.

- A:-Ricardo Bofill
- B:-Mario Botta
- C:-John Burgee
- D:-Zaha Hadid

Correct Answer:- Option-D

Question26:-Which of the properties of 'FORM' in Architecture is/are correct with respect to the conditions under which we view them?

- (i) Changing perspective or angle of view presents different shapes or aspects of a **Form** to our eyes.
- (ii) Our distance from a **Form** does not determine its apparent size.
- (iii) Lighting conditions under which we view a **Form** does not affect the clarity of its shape and structure.
- (iv) The visual field surrounding a **Form** influences our ability to read and identify it.

A:-(iii)

B:-(iii) and (iv)

C:-(i) and (iv)

D:-(iv)

Correct Answer:- Option-C

Question27:-The Faculty-Student ratio of undergraduate and post graduate program in Architecture course as per COA minimum standards of Architectural education shall be _____ respectively.

A:-1:10 and 1:15

B:-1:10 and 1:5

C:-1:15 and 1:10

D:-1:20 and 1:10

Correct Answer:- Option-B

Question28:-A fixed amount paid as deposits by contractors to Architect/Owner as a guarantee for faithful performance which is usually 10% of the value of work. This amount can be deposited in installments from the payments due to him for the works already executed and it gets blocked up and does not bear any interest is called as

A:-Earnest money

B:-Retention money

C:-Security deposits

D:-Fixed fee

Correct Answer:- Option-B

Question29:-In designing an apartment building if site area is 4500 sq.m., permissible ground coverage is 50% and FAR is 2.5 and each floor height is 3m, calculate the height of the building to be built to achieve the given FAR.

A:-18 m

B:-12 m

C:-15 m

D:-21 m

Correct Answer:- Option-C

Question30:-GRIHA rating system awards the certification in the following levels:

A:-1 star, 2 star, 3 star, 4 star, 5 star

B:-Green, Green plus, Super Green

C:-Bronze, Silver, Gold, Emerald

D:-Certified, Silver, Gold, Platinum, Super Platinum

Correct Answer:- Option-A

Question31:-A portion of an ordinary brick with the cut made longitudinally and usually having one uncut stretcher face is

A:-Bat

B:-Splay

C:-Mitred

D:-Closer

Correct Answer:- Option-D

Question32:-From the following take out the term which is not applied in construction of arches in an Arcade

A:-Quoin

B:-Intrados

C:-Haunch

D:-Spandrel

Correct Answer:- Option-A

Question33:-Match the figures in group-1 with their corresponding joints in group-2
Group 1



a.



b.



c.

d.

Group 2

1. Dovetail joint

2. Tounge and Groove joint

3. Lap joint

4. Mortise and Tenon joint

A:-a-3, b-2, c-4, d-1

B:-a-2, b-4, c-1, d-3

C:-a-4, b-1, c-3, d-2

D:-a-4, b-3, c-1, d-2

Correct Answer:- Option-B

Question34:-Among the following illustrated plan configurations which is a suitable configuration for earthquake resistant building form



A:-



B:-



C:-



D:-

Correct Answer:- Option-B

Question35:-Identify the trusses shown in the figures given below:



(i)

(ii)

A:-(i)-Howe, (ii)-Pratt

B:-(i)-Warren, (ii)-Howe

C:-(i)-Parker, (ii)-North light

D:-(i)-Warren, (ii)-Fink

Correct Answer:- Option-D

Question36:-An H-shaped hinge having a protruding knuckle so that a door can stand away from the wall when fully opened is known as

A:-Butt hinge

B:-Dovetail hinge

C:-Parliament hinge

D:-Cross garnet

Correct Answer:- Option-C

Question37:-A concrete slab reinforced by ribs in two directions laid in equal depth able to carry heavier loads and span longer distances is known as

- A:-Ribbed slab
- B:-Flat plate slab
- C:-Waffle slab
- D:-Flat slab

Correct Answer:- Option-C

Question38:-Identify from the following the type of glass made from plate glass by reheating and sudden cooling which is 3-5 times stronger than plate glass. The glass when broken, the pieces are relatively small in size and is extensively used in curtain walls

- A:-Obscure glass
- B:-Sheet glass
- C:-Opal glass
- D:-Tempered glass

Correct Answer:- Option-D

Question39:-Super-light rope technology with a carbon fiber core and high friction coating is an advanced technology in high rise buildings used for

- A:-Elevators
- B:-Sprinkler system
- C:-Electrical services
- D:-Structural design of slabs

Correct Answer:- Option-A

Question40:-Construction of a temporary support for an unsafe structure or during repairs or alterations or when an adjacent structure is to be dismantled is called as

- A:-Shoring
- B:-Underpinning
- C:-Scaffolding
- D:-Formwork

Correct Answer:- Option-A

Question41:-An electrically powered Macerator and pump unit is fitted to

- A:-Geyser
- B:-Lifts
- C:-Water closets in basement
- D:-Fire sprinkler system

Correct Answer:- Option-C

Question42:-Choose the correct sequence from the options given below with respect to water supply connection to building from municipal lines

- (a) Service pipe
- (b) Goose neck
- (c) Ferrule
- (d) Stop cock
- (e) Water meter

A:-(c)-(b)-(a)-(d)-(e)

B:-(d)-(b)-(c)-(a)-(e)

C:-(b)-(a)-(c)-(e)-(d)

D:-(a)-(c)-(b)-(e)-(d)

Correct Answer:- Option-A

Question43:-In structural design of long span structures, select the correct answer:

- (i) Deflection is a major design determinant rather than bending stresses
- (ii) Sections should be deepest where the bending moments are greatest
- (iii) Long span structures such as arches, vaults and domes develop thrust at their supports
- (iv) Majority of long span structures are one way systems

A:-(i) and (iii)

B:-(i), (ii) and (iii)

C:-(i) and (ii)

D:-All the above

Correct Answer:- Option-D

Question44:-Select the correct answer related to the ducting system in air conditioning in buildings

A:-Aspect ratio with rectangular section should not exceed 4:1

B:-A square section maximizes the initial and operating cost

C:-With lower air velocities size of the duct decreases

D:-A sharp right angled bend causes a very large pressure rise

Correct Answer:- Option-A

Question45:-According to fire safety regulations of NBC, the EXITS in a Type-1 construction in Group-A category buildings shall be so located that the travel distance on the floor shall not exceed

A:-45 m

B:-22.5 m

C:-30 m

D:-60 m

Correct Answer:- Option-C

Question46:-The role of vermiculite in vertical landscaping is _____.

A:-Fertilizer

B:-Water retention material

C:-Binding material

D:-Holding material

Correct Answer:- Option-B

Question47:-Match the terminologies in Column - I with their descriptions in Column - II and select the appropriate option.

Column - I	Column - II
P Pruning	1 Maintaining moisture content in soil by a protective layer
Q Stripping	2 Removing broken branches from trees for better growth
R Hoeing	3 Loosening the ground to remove weeds
S Mulching	4 Cutting tree
	5 Harvesting of bark

A:-P-2, Q-5, R-3, S-1

B:-P-1, Q-3, R-5, S-4

C:-P-3, Q-5, R-1, S-4

D:-P-2, Q-4, R-5, S-1

Correct Answer:- Option-A

Question48:-Which of the following statements is/are correct about the main ecological principles concerning cities?

- (i) Cities are ecosystems.
- (ii) Cities are dynamic.
- (iii) Human and natural processes interact in cities.
- (iv) Cities are spatially heterogeneous.

A:-Only (i) and (ii)

B:-Only (i), (ii) and (iv)

C:-Only (ii) and (iv)

D:-All the above

Correct Answer:- Option-D

Question49:-Match the Scientific names in Column - I with their common names in Column - II and select the appropriate option.

Column - I	Column - II
P Cassia fistula	1 Gulmohar
Q Delonix regia	2 Golden shower
R Toona Ciliata	3 Banyan
S Ficus benghalensis	4 Peepal
	5 Indian Mahagony

A:-P-2, Q-5, R-3, S-1

B:-P-1, Q-3, R-5, S-4

C:-P-3, Q-5, R-1, S-4

D:-P-2, Q-1, R-5, S-3

Correct Answer:- Option-D

Question50:-A hemispherical mound of 4 meter diameter is proposed to be constructed in a park. If the proportion of soil and sand for the construction is 3:1, the estimated volume of soil in cubic meters is _____.

A:-12.6

B:-25.2

C:-6.3

D:-18.9

Correct Answer:- Option-A

Question51:-Match the terminologies in Column - I with their descriptions in Column - II and select the appropriate option.

Column - I		Column - II	
P	Vista	1	Presented in the form of a path, line of fountains or trees
Q	Axis	2	Dense shrubs or trees that form a fence, screen or boundary.
R	Avenue	3	A flowerbed with a mix of different plants
S	Hedge	4	A straight path or road with a line of trees or large shrubs running
		5	along each side View amidst buildings, trees and landscape features

A:-P-2, Q-5, R-3, S-1

B:-P-5, Q-3, R-1, S-2

C:-P-5, Q-1, R-4, S-2

D:-P-2, Q-4, R-5, S-1

Correct Answer:- Option-C

Question52:-The layout of Mughal Gardens used a Proportioning system. It is derived from

A:-Rational number system

B:-Constants of equilateral triangle

C:-Irrational number system

D:-Constants of right angled isosceles triangle

Correct Answer:- Option-A

Question53:-Which among the following is not a geometric garden?

A:-Mughal gardens

B:-Chinese gardens

C:-Persian gardens

D:-Roman gardens

Correct Answer:- Option-B

Question54:-'Shakti Sthala' designed by Ravindra Bhan, is characterised by

A:-Continuous sequence along a zig zag line

B:-Walkway, symmetry, water cascades

C:-Radial layout, symmetrical sculptures, boulevard

D:-Earthen mounds, belt of trees, large rocks

Correct Answer:- Option-D

Question55:-The process of landscaping, or gardening, that reduces or eliminates the need for irrigation is known as

A:-Hardscape

B:-Dryscape

C:-Xeriscape

D:-Flatscape

Correct Answer:- Option-C

Question56:-Match the Scientific names of trees provided in Column - I with the corresponding colour of their bloom in Column - II and select the appropriate option.

	Column - I		Column - II
P	Lagerstroemia speciosa	1	Red
Q	Cassia fistula	2	Blue
R	Tabernaemontana	3	Yellow
S	Delonix regia	4	White
		5	Pink

A:-P-2, Q-5, R-3, S-1

B:-P-5, Q-3, R-4, S-1

C:-P-2, Q-3, R-4, S-1

D:-P-2, Q-4, R-5, S-1

Correct Answer:- Option-B

Question57:-A landscaped garden measures 20,000 sqm. It is covered with 10% brick paving, 15% cement concrete paving, 10% PVC geo-membrane and rest with grass. The peak intensity of rainfall in that region is 100 mm/hr. The coefficient of runoff for brick paving, cement concrete paving, PVC geo-membrane and grass is 0.8, 0.9, 1 and 0.5 respectively. The estimated quantity of runoff in cubic meter/hr for the entire garden area is _____.

A:-630

B:-470

C:-1280

D:-1080

Correct Answer:- Option-C

Question58:-Match the landscape designers listed in Column - I with their designs in Column - II and select the appropriate option.

	Column - I		Column - II
P	F L Olmstead	1	Versailles Palace gardens
Q	Gertrude Jekyll	2	Central Park
R	André Le Nôtre	3	Hestercombe House, Somerset
S	Lancelot Brown	4	Blenheim Palace, Oxfordshire
		5	Design with Nature

A:-P-2, Q-5, R-3, S-4

B:-P-5, Q-3, R-4, S-1

C:-P-5, Q-3, R-4, S-2

D:-P-2, Q-3, R-1, S-4

Correct Answer:- Option-D

Question59:-Berms correspond to

A:-A barrier to prevent, divert or direct water away from a particular area.

B:-A shallow, broad and vegetated channel designed to store and/or convey runoff and removes pollutants.

C:-Are created where the edge of the plant bed meets another surface material.

D:-A narrow groove like or trench like depression in soil for water to flow.

Correct Answer:- Option-A

Question60:-Arrange the particles of soil in descending order of grain size.

A:-Sand, Gravel, Clay, Silt

B:-Gravel, Sand, Silt, Clay

C:-Gravel, Sand, Clay, Silt

D:-Silt, Clay, Gravel, Sand

Correct Answer:- Option-B

Question61:-The concentric circles in a sun-path diagram represent _____.

A:-Azimuth angle

B:-Altitude angle

C:-Day of the year

D:-Hour of the day

Correct Answer:- Option-B

Question62:-Which of the following acts as a wind catcher in a building and helps provide cross-ventilation and passive cooling?

A:-Mashrabiya

B:-Chajja

C:-Jharokha

D:-Badgir

Correct Answer:- Option-D

Question63:-Match the climate parameters in Column - I with the corresponding instruments in Column - II and select the appropriate option.

	Column - I		Column - II
P	Precipitation	1	Psychrometer
Q	Wind	2	Pyranometer
R	Solar Radiation	3	Anemometer
S	Humidity	4	Disdrometer

5 Barometer

A:-P-4, Q-3, R-2, S-1

B:-P-1, Q-3, R-2, S-4

C:-P-3, Q-5, R-1, S-4

D:-P-3, Q-5, R-2, S-1

Correct Answer:- Option-A

Question64:-The maximum and minimum indoor dry bulb temperatures of a room are 38°C and 32°C , respectively. If the corresponding outdoor maximum and minimum dry bulb temperatures are 40°C and 28°C , respectively, then the thermal damping of the room (in percentage, rounded off to two decimal place) is _____.

A:-66.67

B:-75.00

C:-50.00

D:-33.33

Correct Answer:- Option-C

Question65:-Which of the following factors do not impact Daylight Autonomy of a built space?

A:-Orientation of building

B:-Outdoor Illumination

C:-Latitude and longitude of building location

D:-Fenestration size

Correct Answer:- Option-B

Question66:-Which among the following acronyms does not represent a thermal comfort index?

A:-PMV

B:-PET

C:-ENVI

D:-UTCI

Correct Answer:- Option-C

Question67:-A 1.5 m high window is located on a south facing wall. The solar azimuth angle is equal to the wall azimuth angle and the solar altitude angle is 60° . The minimum depth (in metres, rounded off to two decimal places) of overhand required to completely shade the window is _____.

(Assume that the overhang is located at the lintel level of the window)

A:-0.87

B:-0.70

C:-1.00

D:-0.60

Correct Answer:- Option-A

Question68:-Assuming other variables remaining constant, the Tropical Summer Index.

- A:-Increases with increase in air velocity
- B:-Increases with increase in vapour pressure
- C:-Decreases with increase in globe temperature
- D:-Decreases with increase in wet-bulb temperature

Correct Answer:- Option-B

Question69:-A room measures 4 m (width) × 4.5 m (length) × 4 m (height). The outdoor temperature is 36°C. The volumetric specific heat of air is 1000 J/cu.m.°C. The ventilation heat flow rate in Watts required to attain an internal room temperature of 28°C with 2 air changes per hour is _____.

- A:-180
- B:-144
- C:-576
- D:-320

Correct Answer:- Option-D

Question70:-Which of the following statements is/are correct about EIA?

- (i) It comprises of 4 stages - screening, scoping, public consultation and appraisal.
- (ii) Environmental assessments are classified into four types i.e., strategic environmental assessment, regional EIA, sectoral EIA and project level.
- (iii) The nature of impacts fall within three broad classifications i.e., direct, indirect and cumulative.

- A:-Only (i) and (ii)
- B:-All the above
- C:-Only (ii) and (iii)
- D:-Only (i) and (iii)

Correct Answer:- Option-B

Question71:-A zone of junction between two or more diverse ecosystems is termed as

- A:-Ecological niche
- B:-Ecozone
- C:-Ecotone
- D:-Ecotype

Correct Answer:- Option-C

Question72:-The rating tool for Green buildings, GRIHA was developed by

- A:-Bureau of Energy Efficiency
- B:-The Energy and Resources Institute

C:-Energy Conservation Building Council

D:-Ministry of New and Renewable Energy

Correct Answer:- Option-B

Question73:-Net Zero Coalition, as called for in the Paris Agreement corresponds to

A:-When the same amount of CO₂ is released into the atmosphere as is removed by various means, leaving a zero balance.

B:-A building which balances its energy needs with energy produced from renewable, zero-emission sources.

C:-A building where the amount of alternative water used and water returned to the original water source is equal to the building's total water consumption.

D:-Cutting greenhouse gas emissions to as close to zero as possible, with any remaining emissions re-absorbed from the atmosphere

Correct Answer:- Option-D

Question74:-Match the terms in Column - I with the corresponding definitions in Column - II and select the appropriate option.

Column - I		Column - II
P Sky View Factor	1	Ratio of areas of a site that have a positive effect on the ecosystem
Q Biotope Area Factor	2	Ratio of sky hemisphere visible from the ground
R Surface Roughness	3	Reflectivity of solar energy on Earth's surface
S Surface Albedo	4	Mean shadow fractions on the ground
	5	Irregularity of the building heights

A:-P-2, Q-1, R-5, S-3

B:-P-1, Q-3, R-5, S-4

C:-P-3, Q-5, R-1, S-4

D:-P-2, Q-4, R-5, S-3

Correct Answer:- Option-A

Question75:-The term coined by Paolo Soleri that combines ecology with architecture and deals with habitats maintaining an extremely high population density is _____.

A:-Utopia

B:-Arcology

C:-Proxemics

D:-Ekistics

Correct Answer:- Option-B

Question76:-Match the Urban Planning Theories in Group I with their Proponents in Group II

Group I		Group II
P Choice theory of planning	1	Walter Christaller
Q Central Place Theory	2	Paul Davidoff and T.A. Reiner

- | | | | |
|---|------------------------|---|-------------------|
| R | Neighborhood Theory | 3 | Harris and Ullman |
| S | Multiple Nuclei Theory | 4 | Clarence Perry |
| | | 5 | Homer Hoyt |

A:-P-4, Q-1, R-3, S-5

B:-P-4, Q-5, R-3, S-1

C:-P-3, Q-5, R-2, S-1

D:-P-2, Q-1, R-4, S-3

Correct Answer:- Option-D

Question77:-Total land area for a plotted housing development project is 75.0 hectare, of which, area under community facilities, common open spaces and roads are 9%, 10% and 16% respectively. Total number of saleable plots of 300 m² each will be

A:-1750

B:-1625

C:-1875

D:-1500

Correct Answer:- Option-B

Question78:-Match the characteristics in Group I with the type of settlements in Group II as given in URDPFI Guidelines 2015, Government of India

- | Group I | Group II |
|--|--------------------|
| P Towns that are notified under law by the concerned State/UT Government and have local bodies like Municipal Corporations, Municipalities, Municipal Committees, etc. | 1 Counter-Magnets |
| Q Town having potential for investment and development; identified on the basis of their interaerial relationship with the regional nodal centre | 2 Satellite Towns |
| R Settlements that are growing sub-nodal centres but located out of the direct functionally linked areas of the growth node / nodal centre in the region | 3 Peri-Urban Areas |
| S Zones of transition from rural to urban land uses located between the outer limits of urban and regional centres and rural environment | 4 Priotiry Towns |
| | 5 Statutory Towns |

A:-P-5, Q-4, R-1, S-3




B:-P-3, Q-2, R-5, S-4

C:-P-4, Q-1, R-2, S-3

D:-P-4, Q-2, R-5, S-1

Correct Answer:- Option-A

Question79:-Match the Street Layouts of Ancient Indian Settlements in Group I with their corresponding types in Group II

Group I	Group II
<p>P </p>	<p>1 Swastika</p>
<p>Q </p>	<p>2 Nandyavarta</p>
<p>R </p>	<p>3 Chaturmukha</p>
<p>S</p>	<p>4 Karmukha 5 Padmaka</p>

A:-P-1, Q-5, R-3, S-4

B:-P-2, Q-5, R-4, S-1

C:-P-2, Q-1, R-4, S-5

D:-P-1, Q-5, R-2, S-3

Correct Answer:- Option-A

Question80:-Match the Events in Group I with their directives in Group II

Group I	Group II
<p>P The Venice Charter, 1965</p>	<p>1 Kyoto Protocol</p>
<p>Q UN Framework Convention on Climate change, New York, 1992</p>	<p>2 Conservation and Restoration of Monuments and sites</p>
<p>R UN Sustainable Development Summit, New York, 2015</p>	<p>3 Agenda 21</p>
<p>S Habitat II, Istanbul, 1996</p>	<p>4 Agenda 2030 5 Housing for All</p>

A:-P-3, Q-1, R-2, S-5

B:-P-2, Q-3, R-4, S-1

C:-P-2, Q-1, R-4, S-5

D:-P-3, Q-4, R-2, S-5

Correct Answer:- Option-C

Question81:-An Act to provide for the improvement and clearance of slum areas in certain Union territories and for the protection of tenants in such areas from

eviction is :

A:-The Slum Act 1970

B:-The Slum Areas (Improvement and Clearance) Act, 1956

C:-Slum Rehabilitation Act 1995

D:-Slum Development Act 1973

Correct Answer:- Option-B

Question82:-A housing project is proposed to be designed in a plot of 1.95 hectare. Maximum permissible FAR is 1. The share of the numbers of dwelling units (DU) for MIG, LIG and EWS is 1:2:3 having sizes of 60, 30 and 25 sq.m. respectively. The maximum number of DU which can be accommodated in the plot considering the builtup is only utilized for the DU's is _____.

A:-100

B:-300

C:-600

D:-900

Correct Answer:- Option-C

Question83:-Arrange the following states in Ascending order of the percentage of urbanization as per 2011 Census

1. Kerala
2. Mizoram
3. Goa
4. Tamil Nadu

Choose the correct option from the codes given below :

A:-2, 1, 4, 3

B:-1, 4, 2, 3

C:-4, 1, 3, 2

D:-4, 3, 1, 2

Correct Answer:- Option-B

Question84:-Match the schemes in Group I with their specific targets in Group II

Group I	Group II
P AMRUT	1. Urban Amenities for Rural Areas
Q NREGA	2. Urban Rejuvenation
R PURA	3. Housing for BPL families
S IAY	4. Rural Employment
	5. Slum Upgradation

A:-P-2, Q-1, R-4, S-3

B:-P-5, Q-3, R-4, S-1

C:-P-1, Q-4, R-5, S-3

D:-P-2, Q-4, R-1, S-3

Correct Answer:- Option-D

Question85:-Garden city by Sir Ebenezer Howard movement had the "Magnets" to addresses the question 'Where will the people go?' The choices are :

1. Country
2. Town
3. Town - Country
4. Employment

A:-1 and 2

B:-1, 2 and 4

C:-1, 2 and 3

D:-All of the above

Correct Answer:- Option-C

Question86:-Match the following Land Use structure for a Large City as per the URDPFI guidelines:

	Group A		Group B
P	Residential	1	36-39%
Q	Commercial	2	14-16%
R	Pub. and Semi Public	3	7-8%
S	Recreational	4	10-12%
		5	5-6%

A:-P-5, Q-1, R-4, S-3

B:-P-1, Q-5, R-3, S-4

C:-P-4, Q-6, R-3, S-1

D:-P-6, Q-5, R-3, S-4

Correct Answer:- Option-B

Question87:-Which of the following are the attributes of Demography?

- P. Migration trends
- Q. Population growth
- R. Sex ratio
- S. Work force
- T. Annual rainfall of a region
- U. Local festivals

A:-All of the above

B:-P, Q, S, U only

C:-P, Q, R, S, U only

D:-P, Q, R, S only

Correct Answer:- Option-D

Question88:-Match the following:

Type of Road		Row
P. Arterial road	1.	12-30 M
Q. Sub Arterial	2.	50-80 M
R. Collector	3.	80-100 M
S. Local	4.	30-50 M

5. 12-20 M
6. 6-9 M

A:-P-2, Q-4, R-1, S-5

B:-P-5, Q-4, R-1, S-2

C:-P-2, Q-1, R-4, S-6

D:-P-2, Q-3, R-1, S-6

Correct Answer:- Option-A

Question89:-Match the following:

Vehicle Type		ECS
P. Car/Taxi	1.	1.00
Q. Two Wheeler	2.	0.15
R. Auto Rickshaw	3.	0.10
S. Bicycle	4.	0.25
	5.	0.50

A:-P-1, Q-2, R-5, S-3

B:-P-1, Q-4, R-5, S-3

C:-P-1, Q-5, R-3, S-2

D:-P-1, Q-2, R-3, S-5

Correct Answer:- Option-B

Question90:-Major objectives of a truck terminal are

1. To reduce parking, loading/unloading stress away from CBD
2. To locate facilities for vehicle repairing
3. To caters to intercity movements of goods
4. Manufacturing of small trucks
5. To serve as public transportation hub
6. To serve as tourist hub

A:-1, 2, 3 and 3 only

B:-1, 2, 3 only

C:-4, 5 and 6 only

D:-1, 2, 3, 4 and 5 only

Correct Answer:- Option-B

Question91:-What does Lithology refers to?

1. The study of rocks and rock formation
2. The study of soil and soil formation
3. The study of Lithium ion Batteries
4. Study of Lithography

A:-1 only

B:-1 and 2 only

C:-3 only

D:-4 only

Correct Answer:- Option-A

Question92:-Which of the following hold true according to Central Place Theory?

1. Resources are equally distributed in a city
2. This theory is suitable for hilly areas
3. This theory is suitable for Cold countries only
4. Mumbai is a good example for central place theory

A:-1 and 4 only

B:-1 and 2 both

C:-2 and 3 only

D:-1 only

Correct Answer:- Option-D

Question93:-What does Enoscope refers to?

A:-Satellite imagery analysis technique

B:-A tool box used to determine the spot speed of the vehicle

C:-A tool to observe stars

D:-A tool used determine the seismic vibrations

Correct Answer:- Option-B

Question94:-Match the following :

	Land Use Type		Colours
P.	Residential	1.	Red
Q.	Commercial	2.	Yellow
R.	Institutional	3.	Purple
S.	Industrial	4.	Green
		5.	Blue
		6.	Pink

A:-P-2, Q-1, R-5, S-3

B:-P-2, Q-5, R-1, S-6

C:-P-4, Q-1, R-5, S-3

D:-P-2, Q-1, R-4, S-6

Correct Answer:- Option-A

Question95:-When was the Kerala TP act was enacted?

A:-1960

B:-1991

C:-1992

D:-2016

Correct Answer:- Option-D

Question96:-Choose the various correct types of GIS software systems.

A:-Desktop GIS, ESRI ArcGIS, Developer GIS, Hand-held GIS

B:-ESRI ArcGIS, Server GIS, Developer GIS, ESRI ArcGIS

C:-Hand-held GIS, Server GIS, Desktop GIS, Developer GIS

D:-ESRI ArcGIS, Server GIS, Developer GIS, Desktop GIS

Correct Answer:- Option-C

Question97:-What is the scale of Maps for Planning Metropolitan Regional Plan according to URDPFI?

A:-1:50,000 - 1:25,000

B:-1:25,000 - 1:10,000

C:-1:10,000 - 1:8,000

D:-1:50,000 - 1:35,000

Correct Answer:- Option-B

Question98:-Who developed the first Artificial Neural Networks Model (ANN) - Perceptron

A:-Hinton

B:-David Rumelhart

C:-Frank Rosenblatt

D:-J.A. Anderson

Correct Answer:- Option-C

Question99:-NUIS stands for _____

A:-National Urban Information System

B:-National Urban Information Scheme

C:-National Urban Innovation Stack

D:-National Urban Innovation Scheme

Correct Answer:- Option-A

Question100:-Input Data for SLEUTH in CA land use change model are

A:-Slope, Land use, Exclusion land, Urbanization, Terrain, H - agent

B:-Spread, Land use, Elevation, Urbanization, H - agent

C:-Slope, Land use, Exclusion land, Urbanization, Transportation, Hill shade

D:-Slope, Land use, Elevation, Urbanization, Hill shade

Correct Answer:- Option-C