

## FINAL ANSWER KEY

Question 13/2025/OL

Paper Code:

Category 003/2024

Code:

Exam: Lecturer in Architecture Govt Polytechnics

Date of Test 06-02-2025

Department Technical Education

Question1:-Match the terms in Group - I with their Descriptions in Group - II

Group - I

Group - II

P. Gentrification  
urban area

1. Haphazard and low-density outward growth of

Q. Urban core revitalization  
dependency

2. Primarily dormitory settlement with functional  
on parent city

R. Urban sprawl  
income

3. Replacement of low income residents with high  
population

S. Satellite town

4. Physical Socio-Economic revival of the inner city

sensitive

5. Restricted developments in an environmentally

zone

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

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

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

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

Correct Answer:- Option-C

Question2:-Consider the following statements:

i. India has signed the Methane Pledge at COP27.

ii. India has pledged to reduce emissions intensity of its GDP by 45% by 2030.

A:-Only i is correct

B:-Only ii is correct

C:-Both i and ii are correct

D:-None of the statements are correct

Correct Answer:- Option-B

Question3:-Match the initiatives in Group I with statements in Group II

Group I

Group II

P. International Solar Alliance  
for

i. minimum energy performance standards  
buildings

Q. One Sun One World One Grid  
Change

ii. part of the National Action Plan on Climate

R. Energy Conversation Building Code

iii. connecting energy supply across borders

S. National Solar Mission  
France

iv. conceived as a joint effort by India and

A:-P-iii, Q-iv, R-i, S-ii

B:-P-iii, Q-iv, R-ii, S-i

C:-P-iv, Q-iii, R-ii, S-i

D:-P-iv, Q-iii, R-i, S-ii

Correct Answer:- Option-D

Question4:-What is the biggest source of greenhouse gas emissions in India?

A. Industrial Processes

B. Manufacturing and Construction

C. Energy Sector

D. Buildings

A:-A

B:-B

C:-C

D:-D

Correct Answer:- Option-C

Question5:-Consider the following statements :

i. Compliance with Energy Conservation Building Code (ECBC) is mandatory for all commercial buildings in India.

ii. ECBC applies to all buildings with a connected load of 50 kW or above.

iii. ECBC is applicable to all commercial buildings with a connected load of 100 kW or above.

iv. ECBC compliance is mandatory in Karnataka and Andhra Pradesh.

A:-ii and iv are true

B:-iii and iv are true

C:-only ii is true

D:-only iii is true

Correct Answer:- Option-B

Question6:-Match the following in Group I with their major outcomes in Group II:

Group I

Group II

P. Kyoto Protocol  
Change

i. United Nations Framework Convention on Climate

Q. COP 21

ii. Paris Agreement

R. COP 27

iii. Carbon Credits

S. Earth Summit

iv. Loss and Damage Fund

A:-P-i, Q-iii, R-iv, S-ii

B:-P-iii, Q-ii, R-iv, S-i

C:-P-i, Q-ii, R-iii, S-iv

D:-P-ii, Q-iii, R-iv, S-i

Correct Answer:- Option-B

Question7:-The concept pertaining to '*Creative Class, Cities and Economic Development*' is given by:

A:-Richard Florida

B:-Saskia Sassen

C:-Manuel Castells

D:-John Friedmann

Correct Answer:- Option-A

Question8:-Base isolation technique was first demonstrated in India after the

A:-2005 Kashmir earthquake

B:-1991 Uttarkashi earthquake

C:-1993 Killari earthquake

D:-1950 Assam earthquake

Correct Answer:- Option-C

Question9:-The architect of Khalsa College, Amritsar is

A:-William Emerson

B:-Robert Chisholm

C:-Major C Mant

D:-Bhai Ram Singh

Correct Answer:- Option-D

Question10:-Which of the following Govt of India program aims to :

*"Bring together urban planning, economic growth and heritage conservation in an inclusive manner to preserve the heritage character of Old Indian Cities"*.

A:-AMRUT

B:-JNNURM

C:-HRIDAY

D:-UCDP

Correct Answer:- Option-C

Question11:-Which of the following are included in the UN Sustainable Development Goals (SDGs)?

i. Ensure access to affordable, reliable, sustainable and modern energy for all.

ii. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.

iii. Explore sustainable habitats in space.

A:-all of the above

B:-ii only

C:-iii only

D:-i and ii

Correct Answer:- Option-D

Question12:-Which of the Sustainable Development Goal is related to Sustainable Cities?

A:-SDG-9

B:-SDG-11

C:-SDG-15

D:-SDG-16

Correct Answer:- Option-B

Question13:-What happens when WBT = DBT?

A:-Maximum evaporation

B:-Relative humidity = Absolute humidity

C:-100% Relative humidity

D:-100% Absolute humidity

Correct Answer:- Option-C

Question14:-Class D type fire assembly has :

A:-1 1/2 hour fire resistance

B:-1 hour fire resistance

C:-3/4 hour fire resistance

D:-3 hour fire resistance

Correct Answer:-**Question Cancelled**

Question15:-The Pritzker Architecture Prize 2022 went to:

A:-B.V. Doshi

B:-Diebedo Francis Kere

C:-Arata Isozaki

D:-Anna Lacaton and Jean Philippe Vassal

Correct Answer:- Option-B

Question16:-Which of the following elements is not a feature of a Gothic Church?

A:-Rose Window

B:-Flying Buttress

C:-Hemispherical Dome

D:-Ribbed Vault

Correct Answer:- Option-C

Question17:-Who among the following was not a part of the New York Five?

A:-Michael Graves

B:-John Quentin Hejduk

C:-Charles Gwathmey

D:-Philip Johnson

Correct Answer:- Option-D

Question18:-Who among the following coined the maxim 'Less is a bore'?

A:-Robert Venturi

B:-Robert A.M. Stern

C:-Robert Brown

D:-Robert Fellowes Chisholm

Correct Answer:- Option-A

Question19:-What is the elemental configuration of a Chicago Window?

A:-Three fixed glass panes of equal size

B:-Large central fixed glass pane with a narrower operable sash window on each side

C:-Large central operable sash window with narrower fixed glass panes on each side

D:-Three operable sash windows of equal size

Correct Answer:- Option-B

Question20:-In which of the following Mughal buildings was the *pietra dura* technique of surface ornamentation done on a large scale for the first time?

A:-Bibi ka Makbara

B:-Humayun ka Makbara

C:-Itmad ud Daulah ka Makbara

D:-Anarkali ka Makbara

Correct Answer:- Option-C

Question21:-Who among the following can be credited as the pioneer of the Arts and Crafts Movement in Victorian Britain?

A:-Alfred Waterhouse

B:-William Morris

C:-Charles Barry

D:-Giles Gilbert Scott

Correct Answer:- Option-B

Question22:-Who is the author of *Delirious New York*?

A:-Zaha Hadid

B:-Robert A.M. Stern

C:-Rem Koolhaas

D:-Denise Scott Brown

Correct Answer:- Option-C

Question23:-Which of the following architectural stylistic expression is associated with Brunelleschi, Alberti and Palladio?

A:-Renaissance

B:-Victorian Gothic

C:-Romanesque

D:-Byzantine

Correct Answer:- Option-A

Question24:-Which of the following is part of Corbusier's 'Five Points of a New Architecture'?

A:-Grid

B:-Eaves

C:-Fenestration

D:-Pilotis

Correct Answer:- Option-D

Question25:-Which of the following is not an architectural element of a Buddhist Stupa?

A:-Anda

B:-Harmika

C:-Jharokha

D:-Chhatra

Correct Answer:- Option-C

Question26:-Sustainable and inclusive development, with an idea to look at compact areas to create a replicable model which will act as a lighthouse to other aspiring cities, thus catering to the core infrastructural elements and provisions like Efficient urban mobility and public transport, affordable housing (especially to the poor) is the aim and focus of

A:-Development Control Norms

B:-Smart City Mission

C:-Building Height Regulations

D:-None of the above

Correct Answer:- Option-B

Question27:-Can an architect allow his name to appear in advertisements inserted in the press by suppliers or manufacturers of materials used in a building he has designed?

A:-Yes. he can allow his name to appear in such cases

B:-No, he cannot allow his name to appear in any advertisement

C:-All of the above

D:-None of the above

Correct Answer:- Option-A

Question28:-For an intake of 40 students in an architectural institution, Full time faculty may be recruited in the allied areas from the field of Engineering, Fine Arts,

Humanities, etc. provided that there is a

A:-Minimum of 10 core full time faculty along with head

B:-Minimum of 10 core full time faculty apart from with head

C:-Minimum of 12 core full time faculty along with head

D:-Minimum of 12 core full time faculty apart from with head

Correct Answer:- Option-C

Question29:-Every State designated agency, for its State, shall constitute State Energy Conservation Building Code Implementation Committee headed by

A:-Principal Secretary of the State or, his nominee

B:-Chief Secretary of the State or, his nominee

C:-Collector or his nominee

D:-Deputy Collector or his nominee

Correct Answer:- Option-B

Question30:-The Green Building Rating System developed as an indigenous building rating system, particularly to address and assess non-air conditioned or partially air-conditional buildings in India is

A:-LEED

B:-BREAM

C:-GRIHA

D:-CASBee

Correct Answer:- Option-C

Question31:-What is Cob?

A:-Wall-making technique using mud and straw

B:-Sun-dried mud brick

C:-Structural wall system

D:-None of the above

Correct Answer:- Option-A

Question32:-Why is cow dung used in traditional building construction practices?

A:-As an insect repellent

B:-Plastering the walls and verandahs

C:-Enhance clay's binding property for plastering

D:-All of the above

Correct Answer:- Option-D

Question33:-What is the purpose of KSECBC (The Kerala State Energy Conservation Building Code) 2017?

A:-To provide administrative regulations and building requirements

B:-To provide minimum requirements for the energy-efficient design and construction of buildings

C:-To provide stipulations regarding materials and structural design

D:-All of the above

Correct Answer:- Option-B

Question34:-Which pile types are provided when vertical piles cannot resist the applied horizontal force?

A:-Under-reamed piles

B:-Raker piles

C:-Timber piles

D:-None of the above

Correct Answer:- Option-B

Question35:-Name the roof designed as a two-hinged arch with a depth equal to the depth of an individual plank and a width equal to the span of the building.

A:-Trussed rafters

B:-Collar beam roof

C:-Lamella roofing

D:-Purlin roof

Correct Answer:- Option-C

Question36:-Typical lift arrangements include which of the following?

A:-2A straight line arrangement for three lifts

B:-2C arrangement for six lifts

C:-2D arrangements for eight lifts

D:-All of the above

Correct Answer:- Option-D

Question37:-When was the National Committee on Disaster Management (NCDM) set up?

A:-After 2001 Gujarat earthquake

B:-After 2004 Tsunami

C:-Before 2001 Gujarat earthquake

D:-After 1999 Odisha cyclone

Correct Answer:- Option-A

Question38:-How much is the sound level at which continuous exposure for years can cause permanent hearing loss?

A:-Upto 65 dBA

B:-90 dBA

C:-120 dBA



D:-150 dBA

Correct Answer:- Option-B

Question39:-How does 3D CAD (Computer-Aided Design) differ from BIM (Building Information Modeling)?

A:-Provide geometric forms of buildings

B:-Communicate the design and construction

C:-Management of information across the building lifecycle

D:-Provide geometric forms of infrastructure

Correct Answer:- Option-C

Question40:-The amount kept as a check so that the contractor fulfills the terms and conditions of the construction contract is known as

A:-Retention amount

B:-Earnest money

C:-Mobilisation fund

D:-Security deposit

Correct Answer:- **Question Cancelled**

Question41:-In specifying a particular grade of concrete, the following information shall be included

i. Type of cement

ii. Maximum nominal size of aggregate

iii. Minimum cement content

iv. Maximum water-cement ratio

A:-Only i and iii

B:-Only ii and iv

C:-All of the above

D:-None of the above

Correct Answer:- Option-C

Question42:-If the quantity of Concrete in the construction work is  $15 \text{ m}^3$ , the minimum number of samples is

A:-3

B:-2

C:-1

D:-4

Correct Answer:- Option-B

Question43:-For a reinforced concrete beam, the deflection including the effects of temperature, creep and shrinkage occurring after erection of partitions and the application of finishes should not normally exceed

A:-span, in mm/250 or 20 mm whichever is less

B:-span, in mm / 350 or 20 mm whichever is less

C:-span, in mm / 350 or 25 mm whichever is greater

D:-span, in mm / 300 or 20 mm whichever is less

Correct Answer:- Option-B

Question44:-In reinforced concrete columns, the cross-sectional area of longitudinal reinforcement

A:-shall not be less than 1% not more than 6% of gross cross-sectional area

B:-shall not be less than 1% not more than 4% of gross cross-sectional area

C:-shall not be less than 0.8% not more than 4% of net cross-sectional area

D:-shall not be less than 0.8% not more than 6% of gross cross-sectional area

Correct Answer:- Option-D

Question45:-Identify the appropriate External Staircase for Fire and Life Safety as per NBC.

i. No staircase, shall be inclined at an angle greater than  $45^\circ$  from the horizontal.

ii. All stairs shall be directly connected to the ground.

iii. Stairs shall have straight flight not less than 1500 mm wide.

iv. The stairs shall be constructed of non-combustible materials and any doorway leading to it shall have minimum 120 min fire resistance.

A:-Only i and iii

B:-Only ii and iv

C:-All of the above

D:-None of the above

Correct Answer:- Option-C

Question46:-Identify the total width of opening of doors for evacuating 500 capacity of an auditorium.

A:-3.2 m

B:-10.0 m

C:-5.0 m

D:-7.5 m

Correct Answer:-**Question Cancelled**

Question47:-Identify the appropriate earthing for maintenance free arrangement for LPSC in Building as per NBC.

A:-Pipe electrode with Arc welding

B:-Pipe electrode with funnel

C:-Copper electrode with Mig-welding

D:-Copper Bonded electrode with exothermic welding

Correct Answer:- Option-D

Question48:-Identify out door air requirement in Liters per second (L/S) for ventilation of patient rooms having 10 persons per  $100 \text{ m}^2$  floor (estimated maximum occupancy)

A:-5

B:-7

C:-9

D:-13

Correct Answer:-**Question Cancelled**

Question49:-Identify appropriate two pipe system of plumbing:

A:-(i) Soil Track : Water Closets, Urinals, Bidet and Bed Pan Sink;  
(ii) Waste Track : Baths, Sinks and Wash Basins

B:-(i) Soil Track : Water Closet, Wash Basins, Urinals;  
(ii) Waste Track : Bidet, Bed Pan Sinks, Sinks, Bath

C:-(i) Soil Track : Water Closet, Bed Pan Sinks, Sinks;  
(ii) Waste Track : Bath, Bidet, Wash Basins, Urinals

D:-(i) Soil Track : Water Closet , Urinals, Wash Basins;  
(ii) Waste Track : Bed Pan Sink, Sink, Bidet, Baths

Correct Answer:- Option-A

Question50:-If dynamic analysis method is considered for application of Earthquake Loads in Seismic zones of India that can be performed through the methods given below:

- i. Response Spectrum Method (RSM)
- ii. Model Time History Method (MTHM)
- iii. Time History Method (THM)
- iv. Static Monitor Method (SMM)

A:-Only i and ii

B:-Only i and iii

C:-Only i, ii and iii

D:-All of the above

Correct Answer:- Option-B

Question51:-Which irrigation system is most appropriate for a sloped Mediterranean garden featuring drought-resistant shrubs and ground cover to maximize water efficiency?

A:-Traditional spray irrigation

B:-Drip irrigation

C:-Rotor Irrigation

D:-Surface flooding

Correct Answer:- Option-B

Question52:-What is the most effective design strategy for reducing stormwater runoff in a commercial landscape?

A:-Installing permeable pavement

B:-Creating bio-swales and rain gardens

C:-Using drought-resistant plants

D:-Installing French drains

Correct Answer:- Option-B

Question53:-When designing a landscape in a cold temperate zone with heavy snowfall, which consideration is most critical for evergreen tree placement?

A:-Distance from walkways and buildings

B:-Southern exposure positioning

C:-Proximity to deciduous trees

D:-Soil drainage patterns

Correct Answer:- Option-A

Question54:-In planing for urban wildlife habitat, which characteristic is most essential for ensuring long-term species survival?

A:-Habitat size

B:-Habitat connectivity

C:-Habitat diversity

D:-Habitat protection measures

Correct Answer:- Option-B

Question55:-When conducting a site analysis for urban ecological planning, which combination of factors is most critical to assess first?

A:-Soil quality, hydrology and existing vegetation

B:-Current land use, property values and zoning regulations

C:-Historical context, cultural significance and community preferences

D:-Infrastructure capacity, traffic patterns and utility locations

Correct Answer:- Option-A

Question56:-In calculating the cut and fill volumes for a large-scale landscape project, which method provides the most accurate results?

A:-Average end area method

B:-Grid method with spot elevations

C:-Prismoidal formula method

D:-Contour method

Correct Answer:- Option-C

Question57:-When implementing a complex grading plan on a site with existing mature trees, which construction technique is most appropriate to protect root systems?

A:-Air spading around critical root zones

B:-Traditional excavation with root pruning

C:-Raised grade installation with retaining walls

D:-Surface grading with minimal soil removal

Correct Answer:- Option-A

Question58:-Which fundamental principle best characterizes Frank Lloyd Wright's approach to site planning in his Usonian houses?

- A:-Maximizing vertical space utilization
- B:-Creating formal geometric gardens
- C:-Emphasizing symmetrical layouts
- D:-Organic integration with the natural landscape

Correct Answer:- Option-D

Question59:-Luis Barragán's site planning philosophy is best exemplified by which approach?

- A:-Minimalist geometric forms with vibrant colour planes
- B:-Complex curvilinear pathways
- C:-Traditional European garden design
- D:-Technology-driven spatial organization

Correct Answer:- Option-A

Question60:-In developing a community engagement strategy for a controversial urban waterfront redevelopment, which sequence of engagement methods would most effectively build trust while ensuring comprehensive input

- A:-Digital survey → Design Charrette → Public hearing → Implementation plan
- B:-Stakeholder interviews → Community visioning → Co-design workshops → Iterative feedback sessions
- C:-Public announcement → Expert consultation → Community review → Final presentation
- D:-Focus groups → Online platform → Town hall meeting → Decision announcement

Correct Answer:- Option-B

Question61:-Which shading devices is designed to reduce solar heat gain while maintaining natural daylight and is commonly installed horizontally or sloped over windows?

- A:-Electrochromic glass
- B:-Pergolas and Trellises
- C:-Solar water Heating System
- D:-Louvers and Blinds

Correct Answer:- Option-B

Question62:-What is the primary benefit of Building-integrated Photovoltaics (BIPV) compared to traditional solar panel systems?

- A:-BIPV is cheaper to install and maintain than standard solar systems
- B:-BIPV integrates solar technology directly into building materials, offering an aesthetically pleasing solution
- C:-BIPV systems are more efficient in converting sunlight into energy compared to conventional systems

D:-BIPV systems work exclusively for heating purposes, not electricity generation

Correct Answer:- Option-B

Question63:-What is the primary difference between active and passive systems in architecture?

A:-Active systems rely on natural environmental forces, while passive systems require external energy sources

B:-Active systems are more energy-efficient than passive systems

C:-Active systems require external energy sources, while passive systems rely on natural environmental factors

D:-Passive systems are more complex than active systems

Correct Answer:- Option-C

Question64:-Which of the following is NOT a key principle of climate adaptation in contemporary architecture?

A:-Resilience to climate extreme

B:-Water management systems

C:-Preference for high-gloss synthetic finishes

D:-Integration of renewable energy sources

Correct Answer:- Option-C

Question65:-Which of the following projects would require an EIA in India?

A:-The construction of a single-family home

B:-The development of a large thermal power plant

C:-The installation of rooftop solar panels

D:-The expansion of a local farmer's market

Correct Answer:- Option-B

Question66:-Which major summit led to the establishment of the United Nations Environment Programme (UNEP)?

A:-Paris Agreement (2015)

B:-Kyoto Protocol (1997)

C:-Stockholm Conference (1972)

D:-Earth Summit (1992)

Correct Answer:- Option-C

Question67:-What is the primary focus of the WELL Building Standard?

A:-Energy efficiency and water conservation

B:-Material sustainability and waste management

C:-Health and wellness of building occupants

D:-Renewable energy integration

Correct Answer:- Option-C

Question68:-How does rising temperature due to climate change impact building design in India?

A:-Increases reliance on energy-intensive air conditioning systems

B:-Reduces the need for passive cooling techniques

C:-Encourages the use of non-reflective building materials

D:-Decreases the demand for thermal insulation

Correct Answer:- Option-A

Question69:-Which of the following architectural strategies is most commonly used in flood-prone areas of India?

A:-Sunken foundations to absorb excess water

B:-Elevated structures and flood-resistant materials

C:-High-rise buildings with underground parking

D:-Use of highly reflective materials to prevent water absorption

Correct Answer:- Option-B

Question70:-Which of the following is NOT a primary benefit of Blue-Green Infrastructure (BGI)?

A:-Reduction of flood risks through natural water retention

B:-Enhanced biodiversity through green and blue spaces

C:-Increased dependence on non-renewable energy sources

D:-Improvement in urban air and water quality

Correct Answer:- Option-C

Question71:-In the context of carbon neutrality, which of the following is an example of a carbon offset project?

A:-Installing solar panels on residential rooftops

B:-Planting trees to absorb carbon dioxide

C:-Improving the energy efficiency of public buildings

D:-Promoting the use of electric vehicles in transportation networks

Correct Answer:- Option-B

Question72:-Which of the following is a key limitation of Life Cycle Assessment(LCA)?

A:-LCA only measures the direct emission during the production phase of a product

B:-LCA does not consider the effects of transportation and supply chains

C:-LCA is data-intensive, requiring large amounts of data to conduct a thorough analysis

D:-LCA always provides a definitive answer for product sustainability

Correct Answer:- Option-C

Question73:-Which of the following is NOT a consequence of the Urban Heat Island

(UHI) effect?

A:-Increased energy consumption for air conditioning

B:-Deterioration of urban infrastructure such as roads and buildings

C:-Improved air quality due to higher temperatures

D:-Increases risks of heat-related illnesses among vulnerable populations

Correct Answer:- Option-C

Question74:-Which of the following materials is most commonly used to achieve energy efficiency in buildings by reducing heat retention?

A:-High-performance insulation in walls, roofs and floors

B:-Locally sourced granite for flooring

C:-Recycled paper products for interior finishes

D:-Dark-colored asphalt for roofing

Correct Answer:- Option-A

Question75:-Which of the following materials is most likely to contribute to improved indoor environmental quality by reducing exposure to harmful chemicals?

A:-Standard vinyl flooring with high VOC emissions

B:-Low-VOC paints and finishes

C:-High-carbon concrete used for flooring

D:-Synthetic carpets with chemical treatments

Correct Answer:- Option-B

Question76:-What was the primary reason for the organic growth pattern observed in many medieval European cities?

A:-Pre-planned grid layout

B:-Lack of formal planning

C:-Focus on radial city design

D:-Importance of trade routes

Correct Answer:- Option-B

Question77:-Jane Jacobs famously critiqued which urban planning approach for its disregard of vibrant, mixed-use neighborhoods?

A:-Modernist planning

B:-Garden City Movement

C:-New Urbanism

D:-Postmodern urbanism

Correct Answer:- Option-A

Question78:-How did Marxist urban theory redefine urban growth in the 1970s?

A:-As a consequence of governmental-led initiatives

B:-As driven by capitalist accumulation and spatial inequality



C:-As a result of globalization and trade liberalization

D:-As an outcome of technological advancements

Correct Answer:- Option-B

Question79:-What was the central flaw of the Garden City movement as identified?

A:-Inability to integrate commercial and residential zones

B:-Failure to attract sufficient population density

C:-Over-reliance on industrial decentralization

D:-Overemphasis on low-density development

Correct Answer:- Option-D

Question80:-Which of the following is a fundamental principle of the New Urbanism movement?

A:-Prioritizing automobile traffic

B:-Encouraging urban sprawl

C:-Designing walkable, mixed-use communities

D:-Promoting low-density suburban development

Correct Answer:- Option-C

Question81:-What is the primary role of NITI Aayog in India's development planning framework?

A:-Regulating urban land use and zoning laws

B:-Implementing rural infrastructure projects directly

C:-Serving as a policy think tank and fostering cooperative federalism

D:-Conducting the decennial Census of India

Correct Answer:- Option-C

Question82:-Which of the following are techniques used in Master Planning?

A:-Public participation in drafting urban plans

B:-Integration of social, economic and environmental aspects

C:-Preparing long-term regional plans only for rural areas

D:-Both (1) and (2)

Correct Answer:- Option-D

Question83:-Which of the following are key features of the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)?

A:-Provides at least 100 days of guaranteed wage employment annually

B:-Focuses on creating durable assets like roads and water conservation structures

C:-Offers skill development training to rural youth

D:-Both (1) and (2)

Correct Answer:- Option-D

Question84:-Which of the following correctly describes the Atal Mission for Rejuvenation and Urban Transformation (AMRUT)?

- A:-Focuses on improving water supply, sewerage and urban greenery in cities
- B:-Targets heritage preservation in selected cities
- C:-Primarily addresses employment generation for the urban poor
- D:-Both (1) and (2)

Correct Answer:- Option-A

Question85:-Which of the following is a common criticism of urban renewal and redevelopment projects?

- A:-They typically lead to a decrease in local investments
- B:-They may result in the displacement of low-income residents
- C:-They are primarily focused on preserving rural areas
- D:-They often result in a lack of infrastructure improvement

Correct Answer:- Option-B

Question86:-Which of the following is a primary benefit of mixed-use development in neighborhood design?

- A:-Promotes the development of industrial zones
- B:-Encourages long commutes and car-dependent lifestyles
- C:-Integrates residential, commercial and recreational spaces, reducing travel needs
- D:-Increases the number of vacant spaces in residential areas

Correct Answer:- Option-C

Question87:-Which of the following best characterizes the relationship between mixed-use development and Transit-Oriented Development (TOD)?

- A:-Mixed-use development in TOD primarily focuses on creating residential - only areas near transit hubs
- B:-TOD aims to integrate residential, commercial, recreational and office spaces to reduce dependency on private vehicles
- C:-TOD discourages the inclusion of recreational spaces near transit stations in favor of office spaces
- D:-Mixed-use development in TOD restricts residential growth in favor of increasing the size of commercial spaces

Correct Answer:- Option-B

Question88:-Which of the following is a primary characteristic of a resilient city?

- A:-Prioritizing private transportation over public transit
- B:-Creating diversified infrastructure systems that are adaptable to shocks
- C:-Building high-rise commercial buildings near residential areas
- D:-Reducing access to public spaces to encourage private development

Correct Answer:- Option-B

Question89:-Which of the following concepts was central to Le Corbusier's modernist vision of urbanism?

A:-Emphasis on aesthetic ornamentation and historical references in design

B:-Rational planning with a focus on the separation of functions and the use of high-rise residential towers surrounded by green spaces

C:-The use of diverse architectural styles to reflect local cultural identities

D:-The promotion of pedestrian streets and walkable neighborhoods with mixed uses

Correct Answer:- Option-B

Question90:-What is the primary role of Geographic Information Systems (GIS) in urban planning?

A:-To collect real-time data on urban infrastructure

B:-To integrate, analyze and visualize spatial data to inform urban decisions

C:-To measure environmental impacts exclusively on transportation systems

D:-To automate the construction of city infrastructure

Correct Answer:- Option-B

Question91:-Which of the following research methods is most suitable for exploring the cause and effect relationship between variables in advanced research studies?

A:-Case study

B:-Experimental Research

C:-Ethnography

D:-Content Analysis

Correct Answer:- Option-B

Question92:-Which of the following research methods is best suited for studying the spatial behaviour of users in a public space?

A:-Historical research

B:-Ethnographic research

C:-Parametric modelling

D:-Structural analysis

Correct Answer:- Option-B

Question93:-Which of the following methods is most appropriate for handling missing data in a dataset to minimize bias in advanced research?

A:-Listwise Deletion

B:-Mean Substitution

C:-Multiple Imputation

D:-Pairwise Deletion

Correct Answer:- Option-C

Question94:-In qualitative research, which coding technique involves identifying

recurring patterns or themes directly from the data without applying pre-existing theories or frameworks?

A:-Deductive Coding

B:-Open Coding

C:-Axial Coding

D:-Selective Coding

Correct Answer:- Option-B

Question95:-In comprehensive research techniques, what is the primary purpose of conducting a meta-analysis?

A:-To statistically combine results from multiple studies to identify overall trends

B:-To develop new theoretical frameworks based on qualitative data to statistically combine results from multiple studies to identify overall trends

C:-To explore the lived experience of participants in depth

D:-To test hypotheses using controlled experimental designs

Correct Answer:- Option-A

Question96:-Which of the following is a key difference between qualitative and quantitative research methods?

A:-Qualitative research focuses on hypothesis testing, while quantitative research focuses on exploring meaning and experiences

B:-Qualitative research involves numerical data, while quantitative research involves non-numerical data

C:-Qualitative research seeks to understand phenomena in-depth, while quantitative research measures and analyses relationships between variables

D:-Qualitative research relies on controlled experiments, while quantitative research relies on participant observations

Correct Answer:- Option-C

Question97:-Which of the following is a key characteristic of participatory design processes in research method?

A:-Researchers control the entire design process and participants are only involved in data collection

B:-Participants collaborate with researchers throughout the design and implementation of research to ensure their needs are met

C:-Participants are excluded from decision-making and provide feedback only at the end of research

D:-The design process focuses solely on quantitative data and statistical analysis, with no participant input

Correct Answer:- Option-B

Question98:-Which of the following is a key feature of contemporary architectural practices that focuses on sustainability and innovation?

A:-Use of historical architectural styles to preserve cultural heritage

B:-Prioritization of traditional construction methods over modern techniques

C:-Exclusive focus on aesthetic design without considering environmental impact

D:-Incorporation of smart technologies and energy-efficient systems in building designs

Correct Answer:- Option-D

Question99:-Which of the following design strategies is most associated with the principles of parametric design in contemporary architecture, where complex forms and structures are generated through algorithms?

A:-The use of standardized, repeatable components for cost efficiency

B:-The application of flexible, computational models that adapt to environmental, spatial and functional parameters

C:-A focus on preserving traditional construction methods in modern buildings

D:-The reliance on static, predetermined blueprints for consistent outcomes

Correct Answer:- Option-B

Question100:-In contemporary architectural design, what does the concept of "biophilic design" primarily aim to achieve?

A:-Creation of spaces that foster a connection between occupants and the natural environment

B:-Integration of advanced technological systems to control building operations

C:-Prioritization of urban density and compact building forms

D:-Emphasis on traditional building materials over modern construction techniques

Correct Answer:- Option-A