# Telangana State Council Higher Education

#### **Notations:**

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with \* icon are incorrect.

**Question Paper Name :**Architecture and Planning 12th June 2024

Shift 2

**Subject Name:** Architecture and Planning

**Creation Date :** 2024-06-12 17:30:42

**Duration:** 120 **Total Marks:** 120 **Display Marks:** Yes **Share Answer Key With Delivery Engine:** Yes **Actual Answer Key:** Yes **Change Font Color:** No **Change Background Color:** No **Change Theme:** No **Help Button:** No **Show Reports:** No **Show Progress Bar:** No

# **Architecture and Planning**

Group Number:

**Group Id:** 38382343

Group Maximum Duration:

Group Minimum Duration:

Show Attended Group?:

No
Edit Attended Group?:

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Break time:

0

Group Marks:

# **Architecture and Planning**

**Section Id:** 383823117

Section Number:

Section type: Online

Mandatory or Optional: Mandatory



Number of Questions: 120
Number of Questions to be attempted: 120
Section Marks: 120
Maximum Instruction Time: 0
Sub-Section Number: 1

**Sub-Section Id:** 383823117

**Question Shuffling Allowed :** Yes

Question Number: 1 Question Id: 3838236001 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

Under the Smart Cities Mission in India, what is the emphasis of "Area-Based Development"?

### **Options:**

- 1. \* Prioritizing centralized development projects
- 2. \* Focusing exclusively on luxury housing complexes
- Promoting inclusive development of specific city zones
- ▲ Ignoring the need for infrastructure upgrades

 ${\bf Question\ Number: 2\ Question\ Id: 3838236002\ Question\ Type: MCQ\ Option\ Shuffling: Yes}$ 

**Display Question Number : Yes** 

Correct Marks : 1 Wrong Marks : 0

Which construction technique involves assembling pre-made components off-site and then transporting them to the construction site for final assembly?

### **Options:**

- 1 \* Traditional Construction
- 2. Prefabrication
- 3. \* Modular Coordination
- 4. PERT

Question Number: 3 Question Id: 3838236003 Question Type: MCQ Option Shuffling: Yes

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**Display Question Number: Yes** 

### Correct Marks: 1 Wrong Marks: 0

The "Diwan-i-Khas" in the Red Fort served a specific purpose. What was it?

### **Options:**

- 1. The emperor's private audience hall
- 2. \* The living quarters of the royal family
- 3 \* The administrative centre of the Mughal Empire
- The treasury for storing precious stones and gold

Question Number: 4 Question Id: 3838236004 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Public participation is crucial in the planning process because it

### **Options:**

- 1 \* Increases the cost of projects
- Slows down decision-making
- 3 Ensures diverse perspectives are considered
- 4. \* Guarantees all proposals are approved

Question Number : 5 Question Id : 3838236005 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks: 1 Wrong Marks: 0

The concept of dry garden is associated with

- Japanese garden
- 2 \* Mughal garden
- 3. x Italian garden
- 4. \* French garden



Question Number: 6 Question Id: 3838236006 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes

Correct Marks: 1 Wrong Marks: 0

According to whom, city is a living organism

### **Options:**

- Patrick Geddes
- 2. Le Corbusier
- 3 \* Charles Correa
- 4. \* Lewis Mumford

Question Number: 7 Question Id: 3838236007 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

How often a long-term comprehensive plan is typically reviewed and updated?

## **Options:**

- Every year
- 2 \* Every five years
- 3. V Every ten years
- ▲ Every seven years

Question Number: 8 Question Id: 3838236008 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

The chances of silt formation are higher in which of the following water distribution system?

- 1. \* Grid Iron system
- 2. \* Radial system
- 3. Ring system



# 4. Tree System

Question Number: 9 Question Id: 3838236009 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

In Auto CAD, polar coordinate is used for creating

### **Options:**

- 1 Arc
- 2. \* Angular lines
- 3. Ellipse
- 4. \* Rectangle

Question Number: 10 Question Id: 3838236010 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

What is the primary goal of National housing policies?

### **Options:**

- 1 Addressing housing affordability and accessibility issue
- 2. \* Promoting luxury housing
- 3 \* Encouraging gated communities
- 4 × Ignoring urban development

Question Number: 11 Question Id: 3838236011 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Which of the following is characterized by a forest-like arrangement of columns supporting the roof?

### **Options:**

× Pylon



- 2. Hypostyle Hall
- 3. W Obelisk
- 4 \* Mastaba

Question Number: 12 Question Id: 3838236012 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

The term used to describe the process of determining the best use and arrangement of land and structures on a site is

### **Options:**

- Zoning
- 2 Programming
- 3 V Site analysis
- 4 Landscaping

Question Number: 13 Question Id: 3838236013 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0 Select the feature of Mughal garden

Options:

- 1. \* Occult symmetry, pontoon bridges, stepping stone
- Hierarchy of courts, hierarchy of gates, zoomorphic form
- 3. Symmetrical layout, water cascades, entombment
- A Radial layout, symmetrical sculpture, boulevards

Question Number: 14 Question Id: 3838236014 Question Type: MCQ Option Shuffling: Yes

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**Display Question Number: Yes** 

Correct Marks: 1 Wrong Marks: 0

The natural residence of every organism is known as

### **Options:**

1 Biome

2 × Niche

3. # Habit

4. W Habitat

Question Number: 15 Question Id: 3838236015 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Which of the following is an example of a regional planning tool used for forecasting future population growth?

### **Options:**

1. \* Environmental impact assessment

2 \* Housing affordability analysis

3. Land use zoning

4. Population projection models

Question Number: 16 Question Id: 3838236016 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

As per NBC, buildings are classified into how many types?

# **Options:**

1. \* 8

2. 🗸 9

3. \* 6

4. \* 7



Question Number: 17 Question Id: 3838236017 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

In project management, the term PERT stands for

### **Options:**

- Project Execution and Resource Tracking
- 2. Program Evaluation and Review Technique
- 3 \* Project Estimation and Resource Timelines
- Program Execution and Resource Tracking

Question Number: 18 Question Id: 3838236018 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

The role of urban planners in pedestrian and slow moving traffic planning is

### **Options:**

- 1 \* Ignoring pedestrian needs
- Designing streets with minimal consideration for safety
- 3 Incorporating features that encourage walking and cycling
- 4 \* Focusing solely on accommodating vehicular traffic

Question Number: 19 Question Id: 3838236019 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

The term used to describe the central point of interest in a design or urban space is

- 2. × Vista



- 3. \* Imageability
- 4. Wisual Survey

Question Number: 20 Question Id: 3838236020 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

Which financial institution plays a crucial role in implementing and financing housing programs in India?

#### **Options:**

- \* Reserve Bank of India (RBI)
- 2. \* Industrial Development Bank of India (IDBI)
- 3. \* State Bank of India (SBI)

Question Number: 21 Question Id: 3838236021 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

The function of Gantt charts in project management is

#### **Options:**

- 1 \* Resource allocation
- 7 Time scheduling
- 3 Cost estimation
- 4. \* Quality control

Question Number: 22 Question Id: 3838236022 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Which remote sensing technique is commonly used to assess vegetation health and land cover in urban areas?



#### **Options:**

- 1. \* LiDAR (Light Detection and Ranging)
- 2 \* Hyperspectral imaging
- 3. Synthetic Aperture Radar (SAR)
- 4 ✓ Normalized Difference Vegetation Index (NDVI)

Question Number: 23 Question Id: 3838236023 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

What distinguishes a "Multi-Sector" SEZ from a "Single-Sector" SEZ in terms of city planning?

### **Options:**

- 1 \* Architectural design flexibility
- ∠ Inclusion of multiple industries in one zone
- 3 \* Exclusive focus on residential development
- △ \* Greater emphasis on historical preservation

 ${\bf Question\ Number: 24\ Question\ Id: 3838236024\ Question\ Type: MCQ\ Option\ Shuffling: Yes}$ 

**Display Question Number: Yes** 

Correct Marks: 1 Wrong Marks: 0

Non-structural mitigation measures focus on

- Building physical infrastructure to reduce disaster risks
- 2. Increasing public awareness and preparedness for potential disasters
- 3 \* Providing financial compensation for losses incurred during disasters
- 4. \* Rebuilding communities after disasters have struck



Question Number: 25 Question Id: 3838236025 Question Type: MCQ Option Shuffling: Yes

**Display Question Number: Yes** 

Correct Marks: 1 Wrong Marks: 0

The 30 St Mary Axe skyscrapers in London, nicknamed "The Gherkin" due to its distinctive shape, was designed by which architect known for his innovative and sustainable designs?

### **Options:**

- Norman Foster
- 2. Richard Rogers
- Renzo Piano
- 4. Will Alsop

Question Number: 26 Question Id: 3838236026 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Which sustainable design principle focuses on optimizing a building's orientation to the sun?

### **Options:**

- 1 Passive solar design
- 2. \* Excessive energy consumption
- 3 \* Traditional building orientation
- 4 \* Minimal consideration for sunlight

Question Number: 27 Question Id: 3838236027 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

A water treatment process of removing suspended solids by destabilizing the suspended particles in water solutions is

- Clarks process
- 2. Screening



- 3. Coagulation
- 4. \* Disinfection

Question Number: 28 Question Id: 3838236028 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Which structural design philosophy considers both elastic and ultimate strength conditions?

### **Options:**

- 1 / Limit State Design
- 2. \* Elastic Design
- 3 \* Ultimate Load Design
- 4 \* Plastic Design

Question Number: 29 Question Id: 3838236029 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

"Transit-Oriented Development" (TOD) emphasizes

#### **Options:**

- Encouraging sprawling suburban developments
- 2. \* Disregarding the integration of housing and transportation
- 3. \* Isolating residential areas from public amenities

Integrating housing with public transportation to reduce dependency on private

4. vehicles

Question Number: 30 Question Id: 3838236030 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0



In the context of eco-cities, what does the term "Blue-Green Infrastructure" refer to?

### **Options:**

- 1. \* Sustainable transportation systems
- 2. Integrated water management and green spaces
- Energy-efficient building materials
- 4. \* Eco-friendly waste management practices

Question Number: 31 Question Id: 3838236031 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

As per URDPFI Guidelines 2015 of Government of India, choose the correct hierarchy of plans from higher order to lower order

### **Options:**

- 1. \* Perspective plan, Development plan, Zonal plan, Regional plan
- Perspective plan, Regional plan, Development plan, Zonal plan
- 3. \* Regional plan, Perspective plan, Development plan, Zonal plan
- Zonal plan, Development plan, Perspective plan, Regional plan

 ${\bf Question\ Number: 32\ Question\ Id: 3838236032\ Question\ Type: MCQ\ Option\ Shuffling: Yes}$ 

**Display Question Number: Yes** 

Correct Marks: 1 Wrong Marks: 0

Which of the following pollutants are responsible for the cause of SMOG?

- 1 \* From incinerators
- 2 \* Emissions from vehicles
- 3. Both incinerators and emissions from vehicles
- 4 \* Bioreserves



Question Number: 33 Question Id: 3838236033 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes

Correct Marks: 1 Wrong Marks: 0

The Gandhi Smarak Sangrahalaya in Ahmedabad, with its simple structures and focus on natural elements, showcases the work of which architect?

### **Options:**

2. Laurie Baker

3. B.V. Doshi

4. \* Hasmukh C Patel

Question Number: 34 Question Id: 3838236034 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

The "Texture" in architectural design refers to

### **Options:**

1. \* The visual weight of elements

2 \* The arrangement of colours in a composition

The tactile quality or feel of surfaces

4. \* The repetition and variation of patterns

Question Number: 35 Question Id: 3838236035 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks : 1 Wrong Marks : 0

The ability of the material to deform under stress and return to its original shape when the stress is removed is called

# Options:

1. VElasticity

2. \* Plasticity



- 3. \* Brittleness
- 4. \* Stiffness

Question Number: 36 Question Id: 3838236036 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

The dome of the Florence cathedral was designed by?

### **Options:**

- 1 / Filippo Brunelleschi
- 2. \* Leon Batista Alberti
- 3 \* Giuliano da Sangallo
- 4. \* Giacomo da Vignola

Question Number: 37 Question Id: 3838236037 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

The document providing detailed guidelines for physical planning development of specific zones within a city is

#### **Options:**

- 1 \* Long-term comprehensive plan
- 2. \* Structural development plan
- 3 / Zonal plan
- 4 \* Master plan

Question Number: 38 Question Id: 3838236038 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

In Auto Cad when a layer is turned off



- 1 \* Details can still be added to the layer
- Details on the layer cannot be seen
- 3 \* Details cannot be erased from the layer
- 4 \* Design file is displayed

Question Number: 39 Question Id: 3838236039 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

Which of the following cities is known for being India's first Greenfield smart city?

#### **Options:**

Bengaluru 🗶

2 \* Mumbai

3 / Naya Raipur

∠ 

✓ Chennai

Question Number: 40 Question Id: 3838236040 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

What is the primary advantage of pre-stressing in structural design?

### **Options:**

1 \* Increased durability

2 \* Enhanced aesthetic appeal

3 \* Improved fire resistance

4. 

✓ Higher load-carrying capacity

Question Number: 41 Question Id: 3838236041 Question Type: MCQ Option Shuffling: Yes

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**Display Question Number: Yes** 

### Correct Marks: 1 Wrong Marks: 0

Identify the command that does not belong to the Boolean group in AutoCAD

### **Options:**

1. union

2 \* subtract

3. \* intersect

4. divide

Question Number: 42 Question Id: 3838236042 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

What is the main purpose of fiscal policy?

#### **Options:**

1. \* To regulate the money supply

2. ✓ To achieve economic stability and growth

3 \* To control inflation

4. \* To promote international trade

Question Number: 43 Question Id: 3838236043 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

What is the name of the section of a Gothic cathedral that houses the clergy and choir during services?

### **Options:**

1. \* Transept

2. × Nave

3. \* Apse

4. Chancel



Question Number: 44 Question Id: 3838236044 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

**Correct Marks: 1 Wrong Marks: 0** 

The state of the atmosphere over an area at any point in time is known as

### **Options:**

- 1. Weather
- 2. Climate
- 3. # Heat
- ∠ Second Cold

Question Number: 45 Question Id: 3838236045 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

**Correct Marks: 1 Wrong Marks: 0** 

The plumbing system in which anti siphonage pipe is provided only for solid waste line is

### **Options:**

- 1. Partially ventilated single stack system
- 7 \* Two pipe system
- Single stack system
- △ \* One pipe

Question Number: 46 Question Id: 3838236046 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

The characteristic which defines eclecticism in architecture is

- 1 \* Rigidity in adhering to a single historical style
- 2. Incorporation of elements from various architectural styles



- 3. \* Emphasis on minimalist design and functionality
- 4. \* Focus on the use of innovative materials and technologies

Question Number: 47 Question Id: 3838236047 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

Pile foundation is mostly preferred in

### **Options:**

- Soft rocks
- Soft and loose soils
- 3. \* Hard rocks
- 4. \* Compact granular soils

Question Number: 48 Question Id: 3838236048 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes

Correct Marks: 1 Wrong Marks: 0

The planning approach which emphasizes community participation and collaboration in the urban renewal process is

# Options:

- 1. \* Top-down planning
- 2 \* Market-oriented planning
- 3. \* Comprehensive planning

Question Number: 49 Question Id: 3838236049 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

The expansion device used in domestic refrigerator working on vapour compression cycle is



### **Options:**

- 1. \* Electrically operated throttle valve
- 2 \* Manually operated valve
- 3. \* Thermostatic valve
- 4 V Capillary tube

Question Number: 50 Question Id: 3838236050 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Match the respective cities to their planners

P	Navi Mumbai	1	H.K. Mewada and Prakash M Apte
Q	Amaravati	2	Jamsetji Tata
R	Gandhinagar	3	Charles Correa
S	Jamshedpur	4	Hafeez Contractor

### **Options:**

- P-4, Q-3, R-2, S-1
- 2 \* P-4, Q-3, R-1, S-2
- 3 × P-3, Q-2, R-4, S-1
- A P-3, Q-4, R-1, S-2

Question Number: 51 Question Id: 3838236051 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

Line that connects the distributor conductor at the nearest pole to the consumer's end is

- Secondary transmission lines
- 2. Service mains
- 3. \* Primary transmission lines



4 \* Secondary distribution lines

Question Number: 52 Question Id: 3838236052 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes

Correct Marks: 1 Wrong Marks: 0

Which of the following architectural elements is NOT typically found in a South Indian temple complex?

### **Options:**

- 1. \* Gopuram
- 2. Wimana
- 3. Mandapa
- 4. Shikhara

Question Number: 53 Question Id: 3838236053 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following gas is produced from landfill wastes?

#### **Options:**

- 1. J Biogas
- 2. \* Compressed Natural gas
- 3 \* Liquified petroleum gas
- 4. \* Both Liquified petroleum gas and Compressed Natural gas

Question Number: 54 Question Id: 3838236054 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

What is the role of zoning laws in city planning?

# **Options:**

1. ✓ To regulate the use of land and buildings



- 2 \* To promote economic development
- 3. \* To provide affordable housing options
- 4. \* To encourage the construction of high-rise buildings

Question Number: 55 Question Id: 3838236055 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

Which survey technique utilizes aerial or satellite imagery to gather information about land use, vegetation and other features of the Earth's surface?

### **Options:**

- Field survey
- 2. Remote sensing
- 3 \* Participant observation
- 4. \* Interview survey

Question Number: 56 Question Id: 3838236056 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following trap is provided at the junction of house sewer and street sewer?

# **Options:**

- 1. \* Q-trap
- 2. \* Gully trap
- 3. Reflux valve
- ∠ ✓ Intercepting trap

Question Number: 57 Question Id: 3838236057 Question Type: MCQ Option Shuffling: Yes

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**Display Question Number: Yes** 

### Correct Marks: 1 Wrong Marks: 0

Where was the Great Granary of the Indus Valley civilization discovered?

#### **Options:**

- 1 \* Lothal
- 2 \* Harappa
- 3. Mohenjo-Daro
- 4. \* Kalibangan

Question Number: 58 Question Id: 3838236058 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

A slump test for concrete is carried out to determine

### **Options:**

→ Workability

- 2. \* Durability
- 3. \* Strength
- 4. Water content

Question Number: 59 Question Id: 3838236059 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

According to URDPFI guidelines, what is the full form of IDDP?

- 1. \* Inter District Development Plan
- 2 \* Intra District Development Planning
- 3. Integrated District Development Plan
- 4. \* Inter District Development Planning



Question Number: 60 Question Id: 3838236060 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Which of the following is NOT an example of noise pollution control measure?

### **Options:**

1. \* Soundproofing buildings

2. Increasing industrial activities in residential areas

3. \* Enforcing noise level regulations

Question Number: 61 Question Id: 3838236061 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Which one of these is not a part of the five hearths of urbanization

### **Options:**

✓ Etruscan Civilization

2 \* Mesopotamia

3 . Indus Valley Civilization

₄ ¥ Huang He and Wei river Valley

Question Number: 62 Question Id: 3838236062 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

How can mass transportation planning contribute to sustainable urban development?

### **Options:**

1 \* By encouraging urban sprawl

2 \* By prioritizing single-occupancy vehicle use

3. By reducing reliance on fossil fuels and minimizing environmental impacts



4. \* By disregarding the needs of vulnerable populations

Question Number: 63 Question Id: 3838236063 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

What is the main principle behind the strength of materials?

#### **Options:**

- 1 \* Material hardness
- 2. Material stress and strain
- 3. \* Material density
- ▲ Material colour

Question Number: 64 Question Id: 3838236064 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Which of the following is NOT typically a component of a Land Information System (LIS)?

#### **Options:**

- Spatial databases
- Geographic information systems (GIS)
- 3 \* Remote sensing techniques
- ✓ Economic forecasting models

Question Number: 65 Question Id: 3838236065 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

In 3ds Max, which of the following is a type of deformable object that provides controls for manipulating a mesh object made up of triangular faces as an object and at three sub-object levels: vertex, edge and face?



- Element
- 2. \* Keyframes
- 3 

  Editable mesh
- 4. \* Editable poly

Question Number: 66 Question Id: 3838236066 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

What is the purpose of contextualism in Post-Modern architecture?

### **Options:**

- 1. To blend seamlessly with the surrounding environment
- To create a stark contrast with the existing buildings
- 3 \* To prioritize functionality and efficiency in design
- 4 \* To focus solely on the building's aesthetic impact

Question Number: 67 Question Id: 3838236067 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

The shortcut to start a table in Auto Cad is

# Options:

- 1. **×** T
- 2. \* TA
- 3. \* TBL
- 4. V TABLE

 ${\bf Question\ Number: 68\ Question\ Id: 3838236068\ Question\ Type: MCQ\ Option\ Shuffling: Yes}$ 

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**Display Question Number: Yes** 

#### Correct Marks: 1 Wrong Marks: 0

The term "Wayfinding" encompasses a theoretical approach known as "Cognitive Mapping." Who developed the concept of Cognitive Mapping?

### **Options:**

- 1 🗶 Edward T. Hall
- 2 \* Richard Sennett
- 3. Kevin Lynch
- 4 \* Henri Lefebvre

Question Number: 69 Question Id: 3838236069 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

What role do public transportation systems play in traffic management in cities?

### **Options:**

- 1. \* They exacerbate traffic congestion
- 2. They provide an alternative to private vehicle use, reducing congestion and pollution
- 3. \* They have no impact on traffic management
- 4. \* They only serve as a last resort for commuters

Question Number: 70 Question Id: 3838236070 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks : 1 Wrong Marks : 0

Which of the following factors is NOT typically considered in a land use survey?

- 1 \* Zoning regulations
- 2. Population density
- 3. \* Environmental conservation efforts
- 4. Economic growth projections



Question Number: 71 Question Id: 3838236071 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes

Correct Marks: 1 Wrong Marks: 0

Effective institutional networking often involves

#### **Options:**

- Sharing best practices and learning from other organizations
- 2. Engaging in competition for resources and recognition
- 3 \* Isolating oneself from other institutions in the same field
- ▲ Focusing solely on individual institutional goals

Question Number: 72 Question Id: 3838236072 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

In construction, what does FRP stand for?

**Options:** 

- Fibre Reinforced Polymer
- 2 \* Flexible Reinforcement Panel
- 3. \* Fast-Repairing Plastic
- ▲ Fire-Resistant Particleboard

Question Number: 73 Question Id: 3838236073 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Several architectural elements within Buddhist monuments in India hold symbolic meanings. Explain the symbolic significance of the "Toranas" at Sanchi Stupa

- 1. They represent the gateway to the divine realm and the Buddha's teachings
- 2. They depict scenes from the Buddha's past lives and guide visitors towards enlightenment



- They serve as structural supports for the stupa's dome and enhance its stability
- They commemorate the life and achievements of Emperor Ashoka, the stupa's patron

Question Number: 74 Question Id: 3838236074 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

Barrier Free Design in urban planning aims to create spaces that are accessible to

### **Options:**

- Only pedestrians
- 2. Only cyclists
- 3. People with disabilities
- ∠ Solution Only vehicles

Question Number: 75 Question Id: 3838236075 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

What characterizes the "Bungalow" housing typology?

### **Options:**

- 1. \* A multi-story residential unit
- 2. A single-story dwelling, typically with a sloping roof
- An attached housing unit with shared walls
- 4. A high-density apartment building

Question Number: 76 Question Id: 3838236076 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

How does the "Build-Operate-Transfer" (BOT) model in PPP differ from other models in city planning?



#### **Options:**

- 1. \* It emphasizes government ownership throughout the project's lifespan
- 2 \* It involves only private sector stakeholders

It allows private entities to finance, operate and eventually transfer the project back to

the public sector

3. w the public sector

▲ It focuses exclusively on residential development

Question Number: 77 Question Id: 3838236077 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

What was the purpose of the Roman concept of "insulae" in urban planning?

### **Options:**

1 \* Agricultural estates

2 Residential apartment buildings

3. \* Temples and religious sites

Question Number: 78 Question Id: 3838236078 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

What is the purpose of a 'metope,' an element found on Doric frieze panels?

# **Options:**

1 \* To frame sculptures depicting mythological scenes

2 \* To channel rainwater away from the roof

3. To support the weight of the roof

4. ✓ To serve as a decorative element between triglyphs



Question Number: 79 Question Id: 3838236079 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

**Correct Marks: 1 Wrong Marks: 0** 

What design principle refers to the relationship between different elements in a composition and their relative size?

### **Options:**

- 1 Rhythm
- 2. Proportion
- 3. Harmony
- ▲ Symmetry

 ${\bf Question\ Number: 80\ Question\ Id: 3838236080\ Question\ Type: MCQ\ Option\ Shuffling: Yes}$ 

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

What is the primary factor considered in the elastic design of structural elements?

### **Options:**

- 1 Ultimate strength
- 2. Serviceability
- 3. Ductility
- 4. Plasticity

Question Number: 81 Question Id: 3838236081 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

What role does "Mixed-Use Zoning" play in neighbourhood design?

- 1. \* Encouraging segregation of land uses
- 2. \* Promoting a single-use approach
- 3. Facilitating diverse activities within the same zone



4. \* Focusing solely on residential developments

Question Number: 82 Question Id: 3838236082 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

The 73rd and 74th Amendments were enacted in

#### **Options:**

- 1 × 1950, along with the Indian Constitution
- 2 \* 1990, following the Mandal Commission recommendations
- 3 1992, aiming to decentralize power and improve local governance
- 2011, as part of a larger economic reforms program

Question Number: 83 Question Id: 3838236083 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Which of the following natural forms are frequently incorporated into Art Nouveau architecture?

#### **Options:**

- 1. \* Geometric shapes like squares and circles
- 2. Flowing lines, curves and organic shapes mimicking plants and insects
- 3. \* Strict symmetry and classical proportions

Question Number: 84 Question Id: 3838236084 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

What is a key consideration in the planning of evacuation routes in disaster-prone urban areas?



- 1. \* Encouraging residents to stay in their homes
- 2. Minimizing the width of evacuation corridors
- 3. \* Prioritizing scenic routes for evacuation
- 4. Ensuring quick and safe movement of people during emergencies

Question Number: 85 Question Id: 3838236085 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

The URDPFI guidelines are designed to promote

#### **Options:**

- Rapid and uncontrolled urban growth
- 2. Sustainable and well-planned development of urban and regional areas

Prioritization of short-term economic gains over long-term environmental

- 3. \* considerations
- 4. \* Centralized planning with minimal public participation

Question Number: 86 Question Id: 3838236086 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

What is Pruning?

- A live bud from a desired plant is inserted into a host
- 2 \* Loosening the ground to remove weeds
- 3. The process when individual branches are cut selectively
- 4 \* Adding fertilizers to the top soil

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Formulation of GIS based master plan is a sub-scheme of

#### **Options:**

- Smart Cities Mission
- 2. \* Jawaharlal Nehru National Urban Renewal Mission
- 3. Shyama Prasad Mukherji Urban Mission
- 4 Atal Mission for Rejuvenation and Urban Transformation

Question Number: 88 Question Id: 3838236088 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Which traffic survey method provides continuous data over extended periods without human intervention?

### **Options:**

- Video Cameras
- 2. \* Manual Traffic Counting
- 3. \* GPS and Mobile Data Analysis
- A W Automatic Traffic Counting

Question Number: 89 Question Id: 3838236089 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

In the context of "Wayfinding," what is a crucial consideration for effective navigation systems?

- Overemphasis on complex signage
- 2. 

  ✓ Cognitive load and user-friendly cues
- 3. \* Restriction of visual stimuli



4. \* Ignoring the concept of a focal point

Question Number: 90 Question Id: 3838236090 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

How does natural ventilation contribute to passive cooling in buildings?

### **Options:**

1. By circulating cool air throughout the building

- By trapping heat inside the building
- 3. \* By increasing solar heat gain
- ▲ By reducing thermal mass

Question Number: 91 Question Id: 3838236091 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

Which building material is categorized as a polymer composite?

### **Options:**

- 1 \* Timber
- 2. Brick
- 3. X Steel
- 4. FRP (Fibre Reinforced Polymer)

Question Number: 92 Question Id: 3838236092 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

Which government initiative in India focuses on providing affordable housing to the urban poor?

#### **Options:**

Swachh Bharat Mission



- 2. Make in India
- 3. Pradhan Mantri Awas Yojana

Question Number: 93 Question Id: 3838236093 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

In the state of Himachal Pradesh, the "Kath-Kuni" architectural style involves an alternating construction of wood and stone. What is the primary advantage of this technique?

# **Options:**

- Increased structural stability in earthquake-prone zones
- 2 \* Enhanced insulation during cold winters
- Artistic expression and decorative appeal
- 4 \* Protection from heavy rainfall and snowfall

Question Number: 94 Question Id: 3838236094 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

Which of the following is not a property of ferrocement?

### **Options:**

- 1 \* Impervious nature
- 2 \* Capacity to resist shock
- No need to formwork
- 4. Strength per unit mass is low

Question Number: 95 Question Id: 3838236095 Question Type: MCQ Option Skipping & Studen Review Platfor

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0 The example for Radial Balance is

### **Options:**

- Stupa at Sanchi
   Stupa at Sanchi
- 2. \* Sydney Opera House
- 3 \* Humayun's Tomb
- 4. \* Great pyramid of Giza

Question Number: 96 Question Id: 3838236096 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

The term used to describe a document that outlines specific steps and strategies to achieve the goals set forth in a development plan is

### **Options:**

- 1 \* Urban master plan
- 2. Zoning ordinance
- 3. Action plan
- △ \* Comprehensive plan

Question Number: 97 Question Id: 3838236097 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Public participation is most effective when

#### **Options:**

- 1. \* Limited to a select few vocal individuals or groups
- 2 Inclusive, transparent and encourages diverse voices and perspectives

Focused solely on achieving consensus, even if it means compromising on important

3 \* considerations



△ Conducted through top-down directives and controlled communication channels

Question Number: 98 Question Id: 3838236098 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Which of the following is a technique used to reduce echoes in large spaces in architectural acoustics?

#### **Options:**

- 1. \* Installing reflective surfaces
- 2 Using sound-absorbing materials
- 3 \* Increasing the volume of the space
- ▲ Removing all barriers

Question Number: 99 Question Id: 3838236099 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

The term "residential density" in urban planning refers to

#### **Options:**

- 1 \* The height of buildings
- 2. The number of housing units per hectare or acre
- 3 \* The variety of housing typologies
- ★ The distance between neighbourhoods

Question Number: 100 Question Id: 3838236100 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

**Correct Marks: 1 Wrong Marks: 0** 

Inflorescence in a tree structure refers to

# **Options:**

1 \* Fragrance of the flower



- 2. \* Depth of the root structure
- 4. \* Branching

Question Number: 101 Question Id: 3838236101 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

Which type of fire protection is required for vapor explosion?

### **Options:**

- Fire hydrant system
- 2 × Sprinkler system
- 3. Water mist fire protection systems
- ▲ Portable fire extinguisher

Question Number: 102 Question Id: 3838236102 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

The conservation approach emphasizing the retention of original materials and features of historic buildings and structures is

### **Options:**

- Adaptive reuse
- Preservation
- Restoration
- 4. \* Reconstruction

Question Number: 103 Question Id: 3838236103 Question Type: MCQ Option Shuffling: Yes

collegedunia:

**Display Question Number: Yes** 

### Correct Marks: 1 Wrong Marks: 0

The following architectural element, often found in the Roman temples, features a raised platform accessed by a stairway is

### **Options:**

- 1 / Podium
- 2. \* Pediment
- 3. \* Cella
- 4. Pronaos

Question Number: 104 Question Id: 3838236104 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

What is the term for the process of decentralizing power and decision-making authority from central governments to local governments?

### **Options:**

- 1 Centralization
- 2. Devolution
- 3 # Globalization

Question Number: 105 Question Id: 3838236105 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes

Correct Marks: 1 Wrong Marks: 0

What is the primary purpose of building performance simulation and evaluation?

- 1. \* To design aesthetically pleasing buildings
- 2. \* To optimize structural integrity
- 3. To assess and improve the occupant comfort and energy efficiency of buildings



4 ★ To speed up construction processes

Question Number: 106 Question Id: 3838236106 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

Which of the following factors is NOT typically associated with the rapid growth of cities during the Industrial Revolution?

#### **Options:**

- 1 \* Technological advancements in transportation
- 2. Expansion of agricultural lands
- 3. \* Migration from rural areas to urban centres
- ▲ Development of factories and industries

Question Number: 107 Question Id: 3838236107 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

The primary purpose of modular coordination in building construction is

#### **Options:**

1 \* Minimize construction costs

2. \* Maximize structural strength

3 Ensure standardized dimensions

4. \* Improve project management

Question Number: 108 Question Id: 3838236108 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes

Correct Marks: 1 Wrong Marks: 0

The primary goal of incorporating "Passive Solar Design" in eco-friendly housing is

### **Options:**

Maximizing artificial lighting



- 2. Minimizing energy consumption through natural heating and cooling
- 3. \* Exclusively relying on active solar technologies
- 4. \* Ignoring climate considerations in design

Question Number: 109 Question Id: 3838236109 Question Type: MCQ Option Shuffling: Yes

Display Question Number: Yes Correct Marks: 1 Wrong Marks: 0 The age of a tree is determined by

### **Options:**

- 1. Counting the number of rings in the stem cross section
- 2. \* Measuring the height of the tree from the root ball
- Counting the number of veins on the leaf

Question Number: 110 Question Id: 3838236110 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

What role do decomposers play in an ecosystem?

# **Options:**

- 1 \* They produce oxygen
- They break down dead organisms and recycle nutrients
- 3 \* They provide energy to producers
- They regulate the temperature of the ecosystem

Question Number: 111 Question Id: 3838236111 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Which of the following is a potential consequence of NOT having urban land ceilings?



#### **Options:**

- 1. \* Equitable distribution of urban land
- Increased land speculation and monopolization
- 3. \* Preservation of agricultural land
- ↓ Decreased urban population density

Question Number: 112 Question Id: 3838236112 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

The innovative technique used for the construction of the dome of the Florence Cathedral is

### **Options:**

- 1. Flying buttresses and ribbed vaults
- Pointed arches and stained-glass windows
- 3 Double-shelled dome with an inner and outer layer
- △ \* Extensive use of iron and steel framing

Question Number: 113 Question Id: 3838236113 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

The term used to describe the science of human settlements, as coined by the Greek architect and planner Constantinos apostolou doxiadis is

- Urbanology
   ■
- Anthropogeography
- 3. WEkistics
- 4. Socio spatial studies



Question Number: 114 Question Id: 3838236114 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

Taj Mahal is an example for which of the principles of visual composition?

### **Options:**

- 1 Scale
- 2. Rhythm
- 3. \* Form
- 4. Symmetry

Question Number: 115 Question Id: 3838236115 Question Type: MCQ Option Shuffling: Yes

**Display Question Number: Yes** 

Correct Marks: 1 Wrong Marks: 0

Which of the following is a key feature of green building design?

### **Options:**

- 1 \* Excessive energy consumption
- 2. \* Traditional construction materials only
- 3. \* Ignoring indoor air quality

Question Number: 116 Question Id: 3838236116 Question Type: MCQ Option Shuffling: Yes

**Display Question Number: Yes** 

Correct Marks: 1 Wrong Marks: 0

Which term is associated with the overall visual experience and impressions gathered while observing and analysing a space?

- 1 \* Imageability
- 2. Visual Survey
- 3. Wayfinding



4. \* Focal Point

Question Number: 117 Question Id: 3838236117 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0 In zoning, traffic zones are related to

### **Options:**

- 1 \* Homogeneity of land use
- 2. \* Population of defined ranges
- 3. \* Traffic density
- 4. 

  ✓ Both Homogeneity of land use and population of defined ranges

Question Number: 118 Question Id: 3838236118 Question Type: MCQ Option Shuffling: Yes

Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0

In architectural design, what does the term "Datum" typically refer to?

#### **Options:**

- A horizontal line or plane used as a reference
- The central point of interest in a composition
- The interplay of light and shadow
- △ \* The arrangement of colours within a space

Question Number: 119 Question Id: 3838236119 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

How does the concept of "Garden Cities" aim to balance urban development and green spaces?

### **Options:**

By prioritizing high-rise development



- 2. \* By dispersing residential areas without green spaces
- 3. By concentrating development while integrating ample green spaces
- 4. \* By ignoring the importance of urban planning

Question Number: 120 Question Id: 3838236120 Question Type: MCQ Option Shuffling: Yes

**Display Question Number : Yes** 

Correct Marks: 1 Wrong Marks: 0

What is the primary purpose of valuation in construction?

### **Options:**

Cost estimation

2. Property assessment

3. \* Quality control

4. \* Time scheduling

