

National Testing Agency

Question Paper Name: Civil Infrastructure for Smart City Development
Subject Name: Civil Infrastructure for Smart City Development
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Civil Infrastructure for Smart City Development

Group Number : 1
Group Id : 90958246
Group Maximum Duration : 0
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Civil Infrastructure for Smart City Development

Section Id : 90958246
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 100
Number of Questions to be attempted: 100
Section Marks: 100
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 90958249
Question Shuffling Allowed : Yes

Question Number : 1 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

When was the mission “Smart City” launched?

- A. 2015
- B. 2016
- C. 2010
- D. 2013

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 2 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Smart Cities Mission is a

- A. 5 years program
- B. 6 years program
- C. 4 years program
- D. 2 years program

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 3 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

As of January 2018, how many cities have been selected to be upgraded as part of the Smart Cities Mission?

- A. 99
- B. 98
- C. 100
- D. 96

Options :

- 1. A

2. B
3. C
4. D

Question Number : 4 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which state is excluded from the smart city mission?

- A. West Bengal
- B. Rajasthan
- C. Tamil Nadu
- D. Jammu & Kashmir

Options :

1. A
2. B
3. C
4. D

Question Number : 5 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which city tops list of 27 new smart cities announced by Ministry of Urban Development?

- A. Amritsar
- B. Ajmer
- C. Madurai
- D. Varanasi

Options :

1. A
2. B
3. C
4. D

Question Number : 6 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following States/UTs do not have even one city in the two rounds of the Smart City Challenge?

- 1.Uttarakhand
- 2.Lakshadweep
3. Puducherry

- A. 2,3
B. 1,2
C. 1,3
D. All of the above

Options :

1. A
2. B
3. C
4. D

Question Number : 7 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In the round 2 of Smart City Mission, which city tops the list?

- (A) Amritsar
(B) Ujjain
(C) Rourkela
(D) Nagpur

Options :

1. A
2. B
3. C
4. D

Question Number : 8 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following are among the newly added cities in the Smart Cities competition?

1. Aizawl
2. Lucknow
3. Chandigarh

- A. 1,3
- B. 1,2
- C. 2,3
- D. 1, 2, 3

Options :

1. A
2. B
3. C
4. D

Question Number : 9 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The centre announced the names of cities & towns to be developed as smart cities on 27 Aug'15. Which state gets the maximum number of aspirant smart cities?

- A. Maharashtra
- B. TamilNadu
- C. Uttar Pradesh
- D. Madhya Pradesh

Options :

1. A
2. B
3. C
4. D

Question Number : 10 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

How many mega schemes for revamping urban India will be launched by the PM Narendra Modi on 25 June'15?

- A. 1
- B. 2
- C. 3
- D. 4

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 11 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following city got first Smart City nomination?

- A. Hubballi-Dharwad
- B. Surat
- C. Pune
- D. Puducherry

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 12 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The implementing ministry is

- (A) Human resource
- (B) Housing and Urban affairs
- (C) Home affairs
- (D) External affairs

Options :

- 1. A
- 2. B
- 3. C

4. D

Question Number : 13 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The implementing ministry is

- A. Human resource
- B. Housing and Urban affairs
- C. Home affairs
- D. External affairs

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 14 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Smart city is based on the _____ policy taxes.

- A. 6
- B. 7
- C. 4
- D. 3

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 15 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The IoT platforms are mainly divided into how many types

- A. 3 types
- B. 5 types
- C. 4 types
- D. 2 types

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 16 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ play a key role in smart governance.

- A. ICT
- B. IOT
- C. IOTA
- D. ICX

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 17 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Initially Smart city scheme was governed by

- A. MDG
- B. JNNURM
- C. SDG
- D. NURM

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 18 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The number of cities allocated for smart city challenge nomination in Tamilnadu is ____

- A. 13
- B. 12
- C. 10
- D. 8

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 19 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following statements is/are correct about Smart Cities Mission?

1. 500 cities and towns, with a population of one lakh and above each accounts for 73% of urban population is target of smart cities.
2. It has a Central Outlay of Rs.48, 000 Cr for the next five years.

- A. Only 1
- B. Only 2
- C. 1 and 2
- D. None

Options :

1. A
2. B
3. C
4. D

Question Number : 20 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Whose offer has been approved by the Ministry of Urban Development for cooperation in Conducting the 'Cities Challenge' competition to select the cities for financing under the Smart Cities Mission of the Government?

- A. Bloomberg Philanthropies
- B. BBC
- C. Future Group
- D. Housing and Urban Development

Options :

1. A
2. B
3. C
4. D

Question Number : 21 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Name the country that has proposed to assist in developing Delhi as the first global and smart city in India under the framework of the draft MoU presented on 27Apr'15.

- A. Spain
- B. France
- C. China
- D. Sri Lanka

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 22 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

When was the term 'Sustainable Development' came into existence?

- A. 1987
- B. 1980
- C. 1978
- D. 1992

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 23 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

How many Sustainable Development Goals (SDGs) have been agreed to, by all the world's nations, as part of the 2030 Agenda?

- A. 17
- B. 8
- C. 10
- D. 16, plus a few statements about implementation that are not actually a Goal

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 24 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In order to promote _____ the government should employ more management.

- A. eGovernment related
- B Enterprise-based
- C. Company based
- D. Business oriented platform

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 25 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is/are not an objective (s. of sustainable development)?

- A. Continue to implement the family planning program.
- B. Strengthen efforts to protect and safeguard the world's cultural and natural heritage
- C. Maintain a dynamic balance of water resources by reducing water consumption for every unit of gross development product growth and agricultural value added
- D. To bring about a gradual and sometime catastrophic transformation of environment

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 26 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What does LEED stand for?

- A. Leadership in Energy Efficiency Design
- B. Leadership in Energy and Environmental Design
- C. Leadership in Energy Emissions Design
- D. Leadership in Effluent Energy Design

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 27 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What are the features of Green building?

- A. Sustainable site design
- B. Energy defficiency
- C. Water defficiency
- D. expensive

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 28 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is not the concept of Green building.

- A. Environmentally sustainable building
- B. Optimal use of renewable resources
- C. Cost higher than traditional building
- D. Minimise environmental impacts

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 29 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A _____ building material can be made into new products repeatedly.

A. recyclable

B. reusable

C. repairable

D. Green material

Options :

1. A
2. B
3. C
4. D

Question Number : 30 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Sustainable construction considers the _____ and _____ impacts of construction activities on the surrounding neighbourhood.

A. operational; economical

B. environmental; operational

C. environmental; social

D. operational; social

Options :

1. A
2. B
3. C
4. D

Question Number : 31 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is a sustainably maintained building?

- A. A building, which uses innovative technology in their design
- B. A building which requires little energy and attention for upkeep and operation
- C. A building, which requires intensive maintenance and repairs for upkeep and operation
- D. A building which requires more energy.

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 32 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is not a local voluntary programme benchmarking building performance?

- A. Building Environmental Assessment Method (BEAM).
- B. Leadership in Energy and Environmental Design (LEED).
- C. Hong Kong Energy Efficiency Registration Scheme for Buildings (HKEERSB).
- D. The German Sustainable Building Council (DGNB) – Deutsche Gesellschaft für Nachhaltiges Bauen e.V.

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 33 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

By evaluating a building's ecological impact, environmental harm is identified,
_____ and prevented.

- A. reduced
- B. increased
- C. enhanced
- D. analysed

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 34 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

How can you make a building energy efficient?

- A. Plant Shady Landscaping
- B. impair the Insulation in the building
- C. Use sodium vapour Bulbs
- D. Use mercury vapour lamp.

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 35 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Pick an option, which is not a Green building rating.

- A. Gold
- B. Platinum
- C. Silver
- D. Bronze

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 36 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is a green building strategy?

- A. Use of tunnels
- B. Use different coloured bins for collecting different categories of waste
- C. Provide partial treatment of
- D. Use of single bin for collecting waste.

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 37 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What does ICT stands for?

- A. Intelligent and communication technologies
- B. Information and communication technologies
- C. Intelligent and conservation Technologies
- D. Information and conservation technologies

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 38 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is a green building strategy?

- A. Enhance outdoor lighting system efficiency and use renewable energy system
- B. Utilization of fly ash in building structure
- C. Use only low VOC paints in the interior of the building
- D. Use of high VOC paints in the interior of the building

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 39 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one is not an advantage of a sustainable building?

- A. Higher Life Cycle Costs
- B. Lower Insurance Fees
- C. Higher Productivity
- D. Reduced Effects on Infrastructure

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 40 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What are the elements of smart energy building?

- A. decreased daylight entrance
- B. Off-site electricity generation
- C. DC grid for DC loads
- D. AC grid for AC loads

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 41 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

High performance building includes _____

- A. High lighting facilities
- B. Integrated Building lighting Systems
- C. Computerised Integrated Systems
- D. High durability

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 42 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ constitutes Economy, Environment and Social community.

- A. Sustainable development
- B. City development
- C. Transport development
- D. Modern development

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 43 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The infrastructure involved in smart city planning are

- A. Physical, Social, environmental, Economy
- B. Physical, Institutional, Economy, Political
- C. Social, Institutional, Financial, Physical
- D. Physical, Social, Institutional, Economy

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 44 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ infrastructure includes access to utilities such as water, electricity, sewage system and connectivity.

- A. Social
- B. Physical
- C. Economy
- D. Institutional

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 45 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ infrastructure includes governance, planning, management of city.

- A. Social
- B. Physical
- C. Economy
- D. Institutional

Options :

- 1. A

2. B
3. C
4. D

Question Number : 46 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ is an important criterion in economic infrastructure.

- A. education
- B. health
- C. employment
- D. safety

Options :

1. A
2. B
3. C
4. D

Question Number : 47 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ equals integrated planning plus integrated implementation.

- A. Sustainable development
- B. Holistic development
- C. Social development
- D. Wealth

Options :

1. A
2. B
3. C
4. D

Question Number : 48 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The city infrastructure is analysed using _____ point scale.

- A. 4
- B. 5
- C. 6
- D. 3

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 49 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A smart city infrastructure has _____

- A. 5 pillars 79 indicators
- B. 4 pillars 79 indicators
- C. 6 pillars 69 indicators
- D. 4 pillars 69 indicators

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 50 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Aggregating the individual score of each of 79 indicators is _____

- A. Score card
- B. Smartness score
- C. Physical index
- D. Index of indicator

Options :

- 1. A

2. B
3. C
4. D

Question Number : 51 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ is also called as smartness score.

- A. Index
- B. Indicator
- C. Score
- D. Strategy

Options :

1. A
2. B
3. C
4. D

Question Number : 52 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The physical pillar constitutes _____ of smart infrastructure.

- A. 45%
- B. 25%
- C. 35%
- D. 55%

Options :

1. A
2. B
3. C
4. D

Question Number : 53 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ pillar constitutes the least percentage for smart infrastructure.

- A. Social
- B. Physical
- C. Economy
- D. Institutional

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 54 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The smart features of a city are clubbed into _____

- A. Education, health, housing
- B. Safety, health, housing
- C. Governance, health, housing
- D. Education, Governance, housing

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 55 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Social pillar constitutes _____ of smart infrastructure.

- A. 45%
- B. 25%
- C. 35%
- D. 55%

Options :

1. A
2. B
3. C
4. D

Question Number : 56 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ pillar constitutes the same percentage in smart infrastructure.

- A. Social, Physical
- B. Physical, Economy
- C. Economy, Institutional
- D. Institutional, Social

Options :

1. A
2. B
3. C
4. D

Question Number : 57 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The strategies in planning are represented as integrated planning _____

- A. triangle
- B. rectangle
- C. circle
- D. elliptical

Options :

1. A
2. B
3. C
4. D

Question Number : 58 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The city development is based on _____ smart features.

- A. 25
- B. 23
- C. 26
- D. 24

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 59 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Area based development is placed at the _____ of the pyramid.

- A. middle
- B. bottom
- C. top
- D. side

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 60 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Target of tax collected as percentage of tax billed is

- A. 17.5
- B. 16.4
- C. 16.7
- D. 17.1

Options :

- 1. A
- 2. B

3. C

4. D

Question Number : 61 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ constitutes the identity & culture, education, health, safety, security.

- A. Social smartness index
- B. Physical smartness index
- C. Economic smartness index
- D. Institutional smartness index

Options :

1. A

2. B

3. C

4. D

Question Number : 62 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

When was the term 'Sustainable Development' came into existence?

- A. 1987
- B. 1980
- C. 1978
- D. 1992

Options :

1. A

2. B

3. C

4. D

Question Number : 63 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

How many Sustainable Development Goals (SDGs) have been agreed to, by all the world's nations, as part of the 2030 Agenda?

- A. 17
- B. 8
- C. 10
- D. 16, plus a few statements about implementation that are not actually a Goal

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 64 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In order to improve their competitiveness and services assurance, the _____ require independently funded IoT projects.

- A. eGovernment related
- B. Enterprise-based
- C. Company based
- D. Business oriented platform

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 65 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is/are not an objective (s. of sustainable development?

- A. Continue to implement the family planning program.
- B. Strengthen efforts to protect and safeguard the world's cultural and natural heritage
- C. Maintain a dynamic balance of water resources by reducing water consumption for every unit of gross development product growth and agricultural value added
- D. To bring about a gradual and sometime catastrophic transformation of environment

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 66 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Sustainable construction considers the _____ and _____ impacts of construction activities on the surrounding neighbourhood.

- A. operational; economical
- B. environmental; operational
- C. environmental; social
- D. operational; social

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 67 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What does ICT stands for?

- A. Intelligent and communication technologies
- B. Information and communication technologies
- C. Intelligent and conservation Technologies
- D. Information and conservation technologies

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 68 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one is not an advantage of a sustainable building?

- A. Higher Life Cycle Costs
- B. Lower Insurance Fees
- C. Higher Productivity
- D. Reduced Effects on Infrastructure

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 69 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The _____ may become an important facilitator and stimulate for the modern economy.

- A. eGovernment related
- B. Enterprise-based
- C. Company based
- D. Business oriented platform

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 70 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

ITS stands for _____

- A. Internet Travel Services
- B. Internet Transportation Security
- C. Intelligent Transportation Security
- D. Intelligent Transportation Services

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 71 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What are the broad features of smart cities?

- A. Smart Economy, Smart Growth
- B. Smart Infrastructure, Smart Planning
- C. Smart Economy, Smart People, Smart Governance, Smart Mobility, Smart Environment, Smart Living
- D. Smart urban planning

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 72 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The three core functions of a smart city are:

- A. Collecting data, Communicating data, Data analysis
- B. Collecting data, Designing, Publishing the data
- C. Analysing data, Crunching the data, Methodology framework
- D. Analysing and manipulating the data

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 73 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What are the pillars of smart cities?

- A. Physical infrastructure, Social infrastructure, Institutional infrastructure
- B. Power, Entertainment, Security
- C. Connectivity, Health, Education
- D. Power, Connectivity, Infrastructure

Options :

- 1. A
- 2. B

Question Number : 74 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is NOT a reason for the emergence of the Smart cities concept in India?

- A. Urbanization
- B. Population Explosion
- C. High Death rates
- D. Rural Urban migration

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 75 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is another name for 'new towns'?

- A. Global town
- B. Satellite town
- C. Smart cities
- D. Rural areas

Options :

1. A
2. B
3. C
4. D

Question Number : 76 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is the biggest Infrastructure project ever attempted in Indian history?

- A. Haldia project
- B. Delhi Mumbai integrated corridor
- C. Make in India
- D. Skilled India

Options :

1. A
2. B
3. C
4. D

Question Number : 77 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the key to make Smart city program successful in India?

- A. Taking external assistance from International Financial institutions
- B. Opening up the economy for more FDI
- C. Extensive research into Country and Region's economic political and social situations
- D. Closing down the economy for more FDI

Options :

1. A
2. B
3. C
4. D

Question Number : 78 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What does the East Asian smart city model focus on?

- A. Environment
- B. GDP growth
- C. Physical infrastructure and environment management system
- D. NDP growth

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 79 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What are the main ways in which Central government can support smart cities in India?

- A. By encouraging innovations, FDI and FII
- B. Financial, legal backing and policy support, capacity building
- C. By encouraging environment friendly practices
- D. By encouraging FDI alone

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 80 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following proposed smart cities failed to be built?

A. GIFT

B. Gurgaon

C. Surat

D. Malaysia multimedia super corridor

Options :

1. A

2. B

3. C

4. D

Question Number : 81 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What does the East Asian smart city model focus on?

A. Environment

B. GDP growth

C. NDP growth

D. Physical infrastructure and environment management system

Options :

1. A

2. B

3. C

4. D

Question Number : 82 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

HR' plans of any organization does not include

- A. personnel plans
- B. production plans
- C. compensation plans
- D. training and development plans

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 83 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Process which consists how and what positions are to be filled is called

- A. Economic planning
- B. Human resource planning
- C. Environment planning
- D. Urban planning

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 84 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

General land use planning deals with

- A. Residential
- B. Institutional
- C. Forests
- D. Commercial

Options :

- 1. A

2. B
3. C
4. D

Question Number : 85 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Urbanisation and occupation of riverbanks and flood plains lead to:

- A. Periodic exposure to inundation
- B. Greater flow velocity
- C. High run off
- D. Increased soil erosion

Options :

1. A
2. B
3. C
4. D

Question Number : 86 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Noise map is an excellent tool for _____ planning.

- A) Urban
- B) environmental
- C. personnel
- D. production

Options :

1. A
2. B
3. C
4. D

Question Number : 87 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Optimization of urban mobility can be intervened at the infrastructure level by use of:

- A. SUV lanes
- B. HOV lanes
- C. Toll free lanes
- D. Slow lanes

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 88 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the below green building in India has received a platinum LEED certification?

- A. Dabur India, Chandigarh
- B. Logix Cyber Park, UP
- C. Unitech Commercial Tower, Chandigarh
- D. Suzlon One Earth, Pune

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 89 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

For a gold LEED certification, how many points are required?

- A. 40-49
- B. 60-79
- C. 50-59
- D. 80-110

Options :

1. A
2. B
3. C
4. D

Question Number : 90 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ is a programme run by UN related to sustainable development.

- A. GHG indicator
- B. Agenda 21
- C. IPCC
- D. UNEP

Options :

1. A
2. B
3. C
4. D

Question Number : 91 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Low cost housing in Kerala was first developed by,

- A. Lawrence Becker
- B. Larry Baker
- C. Laurence Becker
- D. Laurie Baker

Options :

1. A
2. B
3. C
4. D

Question Number : 92 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Smart city uses information and communication (ICT) to enhance

- A. Lively hood
- B. Efficiency
- C. Sustainability
- D. Planning

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 93 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ five-year plan 2012-17 on aquifer mapping, water shed development, involuntary of NGOs efficiency in developing irrigation capacity.

- A. 12th
- B. 11th
- C. 10th
- D. 15th

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 94 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which year Indian approved US 7.5 million for the development of 100 smart cities.

- A. 2016
- B. 2015
- C. 2019
- D. 2000

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 95 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

At an average of _____ percentage, India has among the highest non-revenue water due to lack of poor distribution system.

- A. 78
- B. 80
- C. 65
- D. 60

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 96 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Electromagnetic flow meter using to detect

- A. leakage of water
- B. velocity of water
- C. acceleration of water flow
- D. rate of flow of water

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 97 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Under which rule of Government, guidelines for solid waste management are followed nowadays.

- A. Municipal Solid Waste Rules, 2000
- B. Municipal Solid Waste Rules, 2016
- C. Solid Waste Rules, 2000
- D. Solid Waste Rules, 2016

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 98 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Bio-medical waste can be effectively managed by the,

- A. thermal process
- B. electromagnetic process
- C. electrical process
- D. decomposition process

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 99 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The term ISWM refers to,

- A. International Solid Waste Management
- B. Integrated Solid Waste Management
- C. Integrated Solid Waste Machine
- D. International Solid Waste Mechanism

Options :

- 1. A
- 2. B

3. C

4. D

Question Number : 100 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Name the process by which waste is separated into different elements

- A. waste sorting
- B. waste segregation
- C. waste collection
- D. waste partitioning

Options :

1. A

2. B

3. C

4. D