

tscte

Question Paper Name: Architecture and Planning 28th May 2019 Shift 2
Subject Name: Architecture and Planning
Creation Date: 2019-05-27 18:50:59
Duration: 120
Total Marks: 120
Display Marks: No
Share Answer Key With Delivery Engine: Yes
Actual Answer Key: Yes

Architecture and Planning

Group Number : 1
Group Id : 39090035
Group Maximum Duration : 0
Group Minimum Duration : 120
Revisit allowed for view? : No
Revisit allowed for edit? : No
Break time: 0
Group Marks: 120

Architecture and Planning

Section Id : 39090065
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 120
Number of Questions to be attempted: 120
Section Marks: 120
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 39090065
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 3909004081 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Dandaka form of settlement layout is basically a

Options :

1. Grid iron pattern

2. Ring radial pattern
3. Linear pattern
4. Informal pattern

Question Number : 2 Question Id : 3909004082 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

One of the earliest neighborhood concepts in city planning was advocated by

Options :

1. Patrick Geddes
2. Le Corbusier
3. Clarence Stein
4. Ludwig Mies van der Rohe

Question Number : 3 Question Id : 3909004083 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The art of creating sculptures in the medium of clipped trees, shrubs and sub-shrubs is known as

Options :

1. Topiary
2. Statuary
3. Bosquet
4. Pergola

Question Number : 4 Question Id : 3909004084 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Green Building Rating System, developed by the U.S. Green Building Council (USGBC), that provides a suite of standards for environmentally sustainable construction is known as

Options :

TS PGECET 2019

1. ASHRAE
2. HVAC&R
3. LEED
4. GBCI

Question Number : 5 Question Id : 3909004085 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

As per Kevin Lynch, the five components of a city that are used to build order into its structure are:

Options :

1. Path, Edge, Building, Landmark, Area.
2. Road, Shell, Environment, District, Node.
3. Nature, Man, Society, Shell, Network.
4. Landmark, District, Edge, Node, Path.

Question Number : 6 Question Id : 3909004086 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The imposing pyramidal gateways of Hindu temples of South India are known as

Options :

1. Mahadwars
2. Gopurams
3. Vimanas
4. Toranas

Question Number : 7 Question Id : 3909004087 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The 'Lake Shore Apartments', Chicago, Illinois, is designed by

Options :

TS PGECET 2019

1. Charles Edouard Jeanneret
2. Frank Lloyd Wright
3. Ludwig Mies van der Rohe
4. Louis Kahn

Question Number : 8 Question Id : 3909004088 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one of these, is not meant for aerobic decomposition?

Options :

1. Septic Tank.
2. Aeration Tank.
3. Contact Beds.
4. Trickling filters

Question Number : 9 Question Id : 3909004089 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The full form of PERT, in project management is:

Options :

1. Project (or Program) Education and Results Technique.
2. Program (or Project) for Examination of Research Time.
3. Project (or Program) Evaluation and Review Technique.
4. Practical Evaluation of Research Time.

Question Number : 10 Question Id : 3909004090 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The type of flooring is preferable for badminton court is

Options :

TS PGECET 2019

1. RCC
2. Grass Carpet
3. Wooden
4. Soft-board

Question Number : 11 Question Id : 3909004091 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Agora was provided in Greek Towns as a place of

Options :

1. Worship
2. Drama
3. Sports
4. Meeting

Question Number : 12 Question Id : 3909004092 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The type of survey in Planning, where selections of samples are done arbitrarily is known as

Options :

1. Simple Random Sampling.
2. General Sampling.
3. Stratified Sampling.
4. Clustered Sampling.

Question Number : 13 Question Id : 3909004093 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In transport planning, the diagram which shows the main points of Origin and Destination of traffic and the relative quantity traffic passing from each point of origin and destination is known as

Options :

1. Flow Diagram
2. Desire Line Diagram
3. Linear Diagram
4. Trip Diagram.

Question Number : 14 Question Id : 3909004094 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

‘Segregation at source’ is a concept associated with

Options :

1. Solid waste management
2. Disaster management
3. Traffic management
4. Water management

Question Number : 15 Question Id : 3909004095 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

As per the National Building Code of India 2016, the minimum turning radius (in meters) required for fire tender movement is

Options :

1. 8.0
2. 8.5
3. 9.0
4. 9.5

Question Number : 16 Question Id : 3909004096 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The command for drawing polylines in AutoCad is

Options :

1. SPLINE
2. PLINE
3. XLINE
4. PSLINE

Question Number : 17 Question Id : 3909004097 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In ONE-PIPE SYSTEM plumbing, how many numbers of pipes are there?

Options :

1. One
2. Two
3. Three
4. Four

Question Number : 18 Question Id : 3909004098 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In transport planning, the number of vehicles that pass through a highway in one hour under ideal condition is known as

Options :

1. Volume of traffic
2. Capacity of roads
3. Carriageway
4. Level of service

Question Number : 19 Question Id : 3909004099 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

All items in any field of enquiry of research is known as

Options :

1. Universe or Population
2. Samples
3. Variables
4. Examples

Question Number : 20 Question Id : 3909004100 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In theories of town planning, Concentric Zone Theory was advocated by

Options :

1. Ernest Burgess
2. Homer Hoyt
3. Chauncy Harris
4. W. Alonso.

Question Number : 21 Question Id : 3909004101 Question Type : MCQ Option Shuffling : Yes 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 brick bond?

Options :

1. German Bond
2. English Bond
3. Flemish Bond
4. Monk Bond.

Question Number : 22 Question Id : 3909004102 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In project management, the sequence of project network activities which add up to the longest overall duration is known as

Options :

1. Critical Path
2. Network Path
3. Evaluation Path
4. Effective Path.

Question Number : 23 Question Id : 3909004103 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In water supply system, the 'tree system of layout' of pipes is also known as

Options :

1. Grid-iron method.
2. Dead-end method.
3. Circular method.
4. Radial method.

Question Number : 24 Question Id : 3909004104 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Jawahar Kala Kendra, Jaipur is designed by

Options :

1. Charles Correa
2. B V Doshi
3. Hafiz Contractor

4. Pилоo Modi

Question Number : 25 Question Id : 3909004105 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The triangular space found between two consecutive arches is

Options :

1. Tympanum
2. Spandrel
3. Regulia
4. Extradados

Question Number : 26 Question Id : 3909004106 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

In visual design, two unequal masses placed on either side of the central axis in such a way that they appear to be in equilibrium is known as

Options :

1. Segregation
2. Occult balance
3. Coherence
4. Balance

Question Number : 27 Question Id : 3909004107 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Every known food chain in an ecosystem begins with a type of:

Options :

1. Heterotrophs

2. Carnivorous animals
3. Mammals
4. Autotrophs

Question Number : 28 Question Id : 3909004108 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The type of housing, where a basic four walls and roof is made, where a family can stay, and expand it later as per need is known as

Options :

1. Apartment housing
2. Core housing
3. Semi-Detached Housing
4. Row Housing.

Question Number : 29 Question Id : 3909004109 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In town planning, the 'gross residential area density' is defined as the ratio of :

Options :

1. Total Population: Total residential area
2. Total Population: Total town area
3. Floor area in all floors: Total plot area
4. Total Population: Total developed area.

Question Number : 30 Question Id : 3909004110 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Government Scheme of PMAY is for which of the following planning documents?

Options :

1. Housing for All Plan of Action
2. Integrated Cluster Action Plan
3. Service Level Improvement Plan
4. City Livelihood Centre Development Plan

Question Number : 31 Question Id : 3909004111 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The concept of 'Dry Garden' is associated with

Options :

1. Japanese Garden
2. Chinese Garden
3. Mughal Garden
4. Egyptian Garden

Question Number : 32 Question Id : 3909004112 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The temperature to which air would have to be cooled to reach saturation is called the:

Options :

1. Adiabatic point
2. Dew point
3. Vapor point
4. Sublimation point.

Question Number : 33 Question Id : 3909004113 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

A view, especially through a long narrow avenue of trees, buildings, etc. is known as

Options :

1. Array
2. Visual survey
3. Perspective
4. Vista

Question Number : 34 Question Id : 3909004114 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Which is the tallest building among these?

Options :

1. Shanghai Tower
2. Petronas Twin Tower
3. Burz-Khalifa
4. Taipei 101

Question Number : 35 Question Id : 3909004115 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The requirements regarding water supply, for communities with population above 100,000 together with full flushing system as per IS1172:1993 is:

Options :

1. 450 to 500 litres per head per day
2. 350 to 400 litres per head per day

3. 250 to 300 litres per head per day
4. 150 to 200 litres per head per day

Question Number : 36 Question Id : 3909004116 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

A finishing or protective course or cap to an exterior masonry wall or the like to protect it from water is known as

Options :

1. Coping
2. Canopy
3. Tothing
4. Threshold

Question Number : 37 Question Id : 3909004117 Question Type : MCQ Option Shuffling : Yes 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 grade of concrete?

Options :

1. M 12
2. M 10
3. M 15
4. M 20

Question Number : 38 Question Id : 3909004118 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

In India, the term 'Town Planning Scheme' refers to

Options :

1. Land renewal
2. Land rejuvenation
3. Land reclamation
4. Land readjustment

Question Number : 39 Question Id : 3909004119 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

In statistical analysis, the term ANOVA stands for

Options :

1. Analysis Of Variance
2. An Observation of Variable Answers
3. A Numerical Observation of Varying Aspects
4. An Observed and Verified Analysis

Question Number : 40 Question Id : 3909004120 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The concept of Transit Oriented Development (TOD) refers to

Options :

1. Transit oriented planning in institutional campuses
2. High density development along a mass transit corridor
3. Orienting residential blocks towards the transit in a gated community
4. Spatial design for persons with disabilities along a mass transit corridor

Question Number : 41 Question Id : 3909004121 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The minimum road curb length required for parking 10 cars perpendicular to road is

Options :

1. 15 m
2. 25 m
3. 35 m
4. 40 m

Question Number : 42 Question Id : 3909004122 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

As per the Urban and Regional Development Plan Formulation and Implementation (URDPFI) guidelines, the plan period considered in a 'Perspective plan' is

Options :

1. 1-10 years
2. 11-15 years
3. 20-30 years
4. 35-45 years

Question Number : 43 Question Id : 3909004123 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In 3DS Max, smooth 3D surfaces, by blending a series of selected shape curves, can be created by

Options :

1. Sweeping
2. Lofting

3. Filleting
4. Extruding.

Question Number : 44 Question Id : 3909004124 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The Urban Land (Ceiling and Regulation) Act was passed in India in the year:

Options :

1. 1996
2. 1956
3. 1976
4. 1986

Question Number : 45 Question Id : 3909004125 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

In 1985, Rajiv Gandhi Launched a scheme for rural housing named as

Options :

1. Rajiv Awaas Yojana
2. Indira Awaas Yojana
3. Pradhanmantri Awaas Yojana
4. Ambedkar Awaas Yojana

Question Number : 46 Question Id : 3909004126 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Bamboo is a type of

Options :

1. Shrub

2. Timber
3. Evergreen tree
4. Perennial grass

Question Number : 47 Question Id : 3909004127 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Heat loss in human body for thermal balance takes place by means of:

Options :

1. Heat conduction, heat convection, heat radiation and evaporative heat loss.
2. Heat generation, heat absorption, heat sensation and heat loss.
3. Volume of air, heat convection, heat radiation, and evaporative heat loss.
4. Temperature, air flow, heat generation, heat loss.

Question Number : 48 Question Id : 3909004128 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

In a color wheel, the colors that are opposite to one another are known as

Options :

1. Complimentary Colors
2. Supplementary Colors
3. Contrasting Colors
4. Contradictory Colors.

Question Number : 49 Question Id : 3909004129 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is also known as the Great Pyramid at Giza?

Options :

1. Pyramid of Khufu
2. Pyramid of Khefre
3. Bent Pyramid
4. Stepped Pyramid

Question Number : 50 Question Id : 3909004130 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Howrah Bridge is an example of

Options :

1. Suspension Bridge
2. Cantilever Bridge
3. Simply Supported Bridge
4. Hanging Bridge

Question Number : 51 Question Id : 3909004131 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The term 'Working head' in context of water supply system means

Options :

1. Height of a body of water falling freely under the force of gravity to acquire a certain velocity
2. Difference between supply and delivery water levels
3. Total head with deduction for velocity head or losses

4. Rate of increase of velocity with respect to distance normal to the direction of flow

Question Number : 52 Question Id : 3909004132 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Which of the following is a binding material?

Options :

1. Lime
2. Sand
3. Coarse Aggregate
4. Water

Question Number : 53 Question Id : 3909004133 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

In a mono-centric Urban Model, land rent is expected to

Options :

1. Diminish as one moves towards the center
2. Diminish as one moves away from the center
3. Remain constant across the whole Urban Area
4. Be unrelated with distance from center.

Question Number : 54 Question Id : 3909004134 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

In town Planning, Sector Model Theory of Landuse Zoning was advocated by

Options :

1. Homer Hoyt

2. Chauncy Harris
3. Edward Ullman
4. Earnest Burgess

Question Number : 55 Question Id : 3909004135 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

‘Sight Distance’ is considered in the design of

Options :

1. Road intersection
2. Fenestration
3. Open kitchen
4. Auditorium

Question Number : 56 Question Id : 3909004136 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The sanctum of Hindu temples are known as

Options :

1. Gopuram
2. Jagamohana
3. Garbha Griha
4. Sikhara

Question Number : 57 Question Id : 3909004137 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

As per the fire safety requirements for high rise buildings in the National Building Code of India 2016, minimum width of stair case is

Options :

1. 2.5 m
2. 3.0 m
3. 1.5 m
4. 2.0 m

Question Number : 58 Question Id : 3909004138 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A housing Finance Institution in Private sector is

Options :

1. HUDCO
2. SBI
3. PNB
4. HDFC

Question Number : 59 Question Id : 3909004139 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Stone lanterns are features of:

Options :

1. Chinese Landscape
2. Japanese Landscape
3. Indonesian Landscape
4. Sri Lankan Landscape

Question Number : 60 Question Id : 3909004140 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The speed of wind is measured by

Options :

1. Hydrometer
2. Anemometer
3. Thermometer
4. Hygrometer

Question Number : 61 Question Id : 3909004141 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The difference in luminance and/or color that makes an object (or its representation in an image or display) distinguishable is known as

Options :

1. Brightness
2. Illumination
3. Contrast
4. Value

Question Number : 62 Question Id : 3909004142 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Which of the following is an example of Colonial Architecture in India?

Options :

1. Red Fort, Delhi
2. Chhatrapati Shivaji Terminus, Mumbai

3. Gwalior Fort, Gwalior

4. Lotus Temple, Delhi.

Question Number : 63 Question Id : 3909004143 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Shodhan House, Ahmedabad was designed by

Options :

1. Anant Raje

2. Le Corbusier

3. Louis I. Kahn

4. B. V. Doshi

Question Number : 64 Question Id : 3909004144 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Invert level of a pipe at a given cross section refers to the

Options :

1. highest point of the internal surface

2. lowest point of the internal surface

3. highest point of the external surface

4. lowest point of the external surface

Question Number : 65 Question Id : 3909004145 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Super plasticizer is added in a concrete mix to

Options :

1. Reduce the water-cement ratio for a given workability

2. Increase the water-cement ratio for a given workability
3. Reduce the flow
4. Reduce the content of coarse aggregate

Question Number : 66 Question Id : 3909004146 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following material is suitable for plinth filling?

Options :

1. Mud
2. Sand
3. Lime
4. Boulder

Question Number : 67 Question Id : 3909004147 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Planning term “Urban core revitalization” refers to

Options :

1. Physical and socio-economic revival of the inner-city
2. Haphazard and low-density growth of urban area
3. Primarily dormitory settlement with functional dependency on parent city
4. Transit Orientated Development of City area

Question Number : 68 Question Id : 3909004148 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The Book “Space, Time and Architecture” is authored by

Options :

1. Kevin Lynch
2. Jane Jacob
3. Gideon S.
4. Francis D. K. Ching

Question Number : 69 Question Id : 3909004149 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

In mass transportation, LRTS stands for

Options :

1. Light Rail Transit System
2. Linear Rail Transit System
3. Light Rail Transportation System
4. Linear Rail Transportation System

Question Number : 70 Question Id : 3909004150 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

As per National Building Code (India) “A room occupied or designed for occupancy by one or more persons for study, living, sleeping, eating, kitchen if it is used as a living room, but not including bathrooms, water-closet compartments, laundries, serving and store pantries, corridors, cellars, attics, and spaces that are not used frequently or during extended periods” is known as

Options :

1. Drawing Room
2. Bed Room

3. Habitable Room

4. Deluxe Room

Question Number : 71 Question Id : 3909004151 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Which of the following is not an architectural software?

Options :

1. Adobe Photoshop

2. Auto CAD

3. Revit

4. Google Sketchup

Question Number : 72 Question Id : 3909004152 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

City of Bhubaneswar was planned by

Options :

1. B V Doshi

2. Otto Koenigsberger

3. BijuPattanaik

4. Charles Correa

Question Number : 73 Question Id : 3909004153 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

FAR is the ratio of:

Options :

1. Total Floor Area to Total Built-up area
2. Total Floor Area to Plot Area
3. Total Floor Area to Height of building
4. Carpet Area to Total Floor Area.

Question Number : 74 Question Id : 3909004154 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

As per NBC 2016 for height of the building up to 18m, the minimum exterior open spaces to be left on all sides is:

Options :

1. 5.0m
2. 6.0m
3. 7.0m
4. 8.0m

Question Number : 75 Question Id : 3909004155 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

FicusReligiosa is the botanical name of:

Options :

1. Banyan Tree
2. Neem Tree
3. Peepal Tree
4. Palash Tree

Question Number : 76 Question Id : 3909004156 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

GRIHA refers to

Options :

1. Green Rating for Indian House Assessment.
2. Green Rating for Integrated Habitat Assessment.
3. Global Rating for International Habitat Analysis.
4. Green building Rating for Indian Housing Areas.

Question Number : 77 Question Id : 3909004157 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

In Urban Design, the theory of Serial Vision is advocated by

Options :

1. Gordon Cullen
2. Edward T. Hall
3. Kevin Lynch
4. Oscar Newman

Question Number : 78 Question Id : 3909004158 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Buland Durwaza is located in

Options :

1. Red Fort
2. Agra Fort
3. Golconda Fort

4. Fatehpur Sikri

Question Number : 79 Question Id : 3909004159 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Star Rating of an Air Conditioner is determined by its

Options :

1. Power Consumption
2. Energy Efficiency Ratio
3. Cooling Capacity
4. Power of Compressor.

Question Number : 80 Question Id : 3909004160 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The 28th day compressive strength of M-25 concrete is

Options :

1. 25 kg/sqm
2. 25 N/sqmm
3. 250 N/sqmm
4. 2.5 N/sqmm

Question Number : 81 Question Id : 3909004161 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is not used in RCC?

Options :

1. Steel
2. Gypsum

3. Coarse Aggregate

4. Sand

Question Number : 82 Question Id : 3909004162 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

SPMRM is introduced by Government of India in 2016 for

Options :

Delivering integrated project-based infrastructure in the rural areas, which will also include development of economic activities and skill
1. development.

Delivering integrated project-based infrastructure in urban agglomeration, which will also include development of religious,
2. social and cultural development.

Delivering mass housing for economically weaker sections of both urban and rural areas, which will also include supply of water,
3. electricity and cooking gas.

Delivering economic stability to the poor of urban and rural areas of India, which will also include safety, security and banking system.
4.

Question Number : 83 Question Id : 3909004163 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

V7 concept given by Le Corbusier refers to

Options :

1. Neighbourhood Planning

2. Housing Typologies

3. Architecture Design Principle

4. Hierarchy of Roads

Question Number : 84 Question Id : 3909004164 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

As per fire safety norms of NBC India, for building having assembly and institutional occupancies, the maximum travel distance in meters to an exit from the dead end of the corridor is:

Options :

1. 30
2. 24
3. 12
4. 6

Question Number : 85 Question Id : 3909004165 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Odeon Software is used for

Options :

1. Lighting analysis
2. Air-flow analysis
3. Acoustical design
4. Outdoor thermal environment

Question Number : 86 Question Id : 3909004166 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Identify the formula for calculating the reverberation time (t) of a hall of volume V cu.m., where S represents sound absorption area

Options :

1. $t = 16 V/S$
2. $t = 0.16V^2/S$

3. $t = 0.16 \text{ V/S}$

4. $t = 16 \text{ V/S}^2$

Question Number : 87 Question Id : 3909004167 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The United Nations Commission on Sustainable Development (CSD) was established by the UN General Assembly in

Options :

1. December, 1992

2. December, 1993

3. December, 1994

4. December, 1995.

Question Number : 88 Question Id : 3909004168 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The term 'Necropolis' refers to

Options :

1. Organically growing settlement

2. Origin of a settlement

3. A dead settlement

4. Merging of two settlements.

Question Number : 89 Question Id : 3909004169 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The term 'gentrification' refers to

Options :

1. Migration of fresh population into a crowded urban area.
2. Settling of population in a new urban area.
3. Settling of military forces in an urban area.
4. Evacuation of population from a rural area.

Question Number : 90 Question Id : 3909004170 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Axial Planning, Symmetry and flowing water are characteristics of:

Options :

1. Mughal Garden
2. English Garden
3. French Garden
4. Hindu Garden.

Question Number : 91 Question Id : 3909004171 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

ECBC stands for

Options :

1. Electrical Conduit in Building Construction
2. Energy Conservation Building Code
3. Electrical Credit in Building Code
4. Energy Credit in Building Construction

Question Number : 92 Question Id : 3909004172 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

In Color Theory, Tint is the mixture of a color with which of the following?

Options :

1. Black
2. Grey
3. Red
4. White

Question Number : 93 Question Id : 3909004173 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is not an example of Greek Architecture?

Options :

1. Theatre of Dionysus
2. Parthenon
3. Pantheon
4. Temple of Hera, Olympus.

Question Number : 94 Question Id : 3909004174 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The sudden stoppage in the flow of water in a close conduit results in a phenomena called

Options :

1. Cavitation
2. Hydraulic Gradient
3. Stack Pressure
4. Water Hammer

Question Number : 95 Question Id : 3909004175 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The unit of measurement of Damp Proof Course (DPC) in building construction is

Options :

1. kg
2. cum
3. sqm
4. m

Question Number : 96 Question Id : 3909004176 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The wooden frame used for pitched roof are known as

Options :

1. Rafter
2. Purlin
3. Truss
4. Beam

Question Number : 97 Question Id : 3909004177 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Scheme JNNURM targets to

Options :

1. Urban amenities for rural areas
2. Infrastructure and Slum upgradation
3. Rural Employment
4. Land Acquisition

Question Number : 98 Question Id : 3909004178 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Which is not a classical spatial theory of landuse Planning?

Options :

1. Concentric Zone Theory
2. Multiple Nuclei Theory
3. Centripetal Theory
4. Sector Theory

Question Number : 99 Question Id : 3909004179 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Desire Line diagram helps in:

Options :

1. Completion of a project by a desired date
2. Meeting demand and supply in desired category of housing
3. Determining income versus expenditure pattern of individuals
4. Origin-Destination analysis in transport planning.

Question Number : 100 Question Id : 3909004180 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The information that is not essential to be submitted for sanction of a building plan is

Options :

1. Site Plan
2. Floor Plans
3. Title Deed

4. Land Cost

Question Number : 101 Question Id : 3909004181 Question Type : MCQ Option Shuffling : Yes 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 Building Information Modeling software tool?

Options :

1. Adobe Illustrator
2. Bentley Microstation
3. Autodesk Revit
4. Graphisoft ARCHICAD

Question Number : 102 Question Id : 3909004182 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The tendency of an ecosystem to maintain its balance by regulatory mechanisms when disrupted, is known as

Options :

1. Homeostasis
2. Entropy
3. Succession
4. Evolution

Question Number : 103 Question Id : 3909004183 Question Type : MCQ Option Shuffling : Yes 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 criterion for defining urban area in India?

Options :

1. Population size.
2. Percentage of male working population engaged in non-agricultural pursuits.

3. Density of Population.
4. Percentage of pucca houses

Question Number : 104 Question Id : 3909004184 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Identify the role of Vermiculite in vertical landscape

Options :

1. Fertilizer
2. Holding Material
3. Binding Material
4. Water Retention Element

Question Number : 105 Question Id : 3909004185 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

In a room in hot dry climate the minimum aggregate area of openings excluding doors should be

Options :

1. One-fifth of the floor area
2. One-sixth of the floor area
3. One-eighth of the floor area
4. One-tenth of the floor area

Question Number : 106 Question Id : 3909004186 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

While the hue of a color remains unchanged, mixing of a color with any neutral color reduces it's

Options :

1. Chroma
2. Saturation
3. Contrast
4. Tone

Question Number : 107 Question Id : 3909004187 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The Sphinx is seen in

Options :

1. Spain
2. Egypt
3. Afghanistan
4. Mexico

Question Number : 108 Question Id : 3909004188 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The propagator of the concept of “Conservative Surgery” is

Options :

1. C.A. Doxiadis
2. Walter Gropius
3. Patrick Geddes
4. Clarence Stein

Question Number : 109 Question Id : 3909004189 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In Critical Path Method (CPM) for time scheduling, 'forward pass calculation' is carried out for determining

Options :

1. Late start and early finish time
2. Early start and early finish time
3. Late start and late finish time
4. Early start and late finish time

Question Number : 110 Question Id : 3909004190 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which structure is suitable in earthquake prone area?

Options :

1. Load Bearing Structure
2. Framed Structure
3. Vernacular Structure
4. Hanging Structure

Question Number : 111 Question Id : 3909004191 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

'AMRUT', the scheme launched by Government of India, stands for

Options :

1. Atal Mission for Rejuvenation and Urban Transformation
2. Atal Mission for Renewal of Urban Transportation
3. Atal Mission for Redevelopment of Urban Transportation
4. Atal Mission for Renewal and Urban Transformation.

Question Number : 112 Question Id : 3909004192 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A man starts from his residence and uses the following mode in sequence to reach the office- cycle rickshaw to Railway station, then train to destination station, followed by auto rickshaw to nearby bus stand and finally a bus to his office. Which of the following describes the sequence of transit usage?

Options :

1. Non Motorosied Transit- Paratransit- Mass Transit- Public Transit
2. Paratransit- Public Transit - Non Motorosied Transit -Mass Transit
Private Transit- Public Transit - Non Motorosied Transit -Mass
3. Transit
4. Non Motorosied Transit- Mass Transit- Paratransit- Public Transit

Question Number : 113 Question Id : 3909004193 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The command DVVIEW in Auto-Cad permit to view

Options :

1. A selected portion of the drawing in detail
2. The entire screen on the monitor
3. A perspective of the drawing
4. A damaged part of the drawing.

Question Number : 114 Question Id : 3909004194 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following vehicular traffic intersections converts all crossing into merging and diverging sequences?

Options :

1. Rotary

2. Manual signaling
3. Grade Separation
4. Automatic signaling

Question Number : 115 Question Id : 3909004195 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Weep Holes refers to

Options :

1. Internal duct in human anatomy connecting eyes and throat
2. Rainwater pipes connecting upper terrace to next lower level
3. Hole made in a log to remove moisture
4. Holes in retaining walls to allow water to drain out.

Question Number : 116 Question Id : 3909004196 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The dome of GolGumbaj at Bijapur is supported by

Options :

1. Intersecting walls
2. Filling inside corners
3. Intersecting arches
4. Massive pier

Question Number : 117 Question Id : 3909004197 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Urban design theory that deals with analysis of relationship between building mass and open space is

Options :

1. Open space theory
2. Figure ground theory
3. Linkage theory
4. Place theory

Question Number : 118 Question Id : 3909004198 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The KYOTO PROTOCOL – 2003 addressed the issue of:

Options :

1. Bio- diversity
2. Green House Gases
3. Wet lands
4. Rain water harvesting

Question Number : 119 Question Id : 3909004199 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Albedo refers to

Options :

1. Roughness of stone surface
2. Thermal properties of external surface materials
3. Height of a frame to allow creepers to grow,
4. Nosing of steps made in marble.

Question Number : 120 Question Id : 3909004200 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

TS PGECET 2019

Concept of self-supporting 'Industrial Town' was proposed by

Options :

1. Lewis Mumford
2. Henry Wright
3. Robert Owen
4. Ebenezer Howard