



Itemcode : **HD1001**

Q1: As per National Building Code, the minimum size of a habitable room in m² is:

A	11
B	10.5
C	9.5
D	12

Correct Ans: **C**

Itemcode : **HD1002**

Q2: Who is the famous architect of buildings Sagrada familia and Casa mila?

A	Peter Eisenman
B	Daniel Libeskind
C	Santiago Calatrava
D	Antoni Gaudi

Correct Ans: **D**

Itemcode : **HD1003**

Q3: The effective floor area available for use within a residential apartment, is known as

A	Built-up Area
B	Carpet Area
C	Plinth Area
D	Super Built-up Area

Correct Ans: **B**

Itemcode : **HD1004**

Q4: Gantt Chart DOES NOT provide information about

A	Progress of Work
B	Duration of Jobs
C	Interdependency of Jobs
D	None of the above

Correct Ans: **C**

Itemcode : **HD1005**

Q5: Identify which is NOT a green building rating system

A	LEED
B	CASBEE
C	DAYSIM
D	GRIHA

Correct Ans: **C**

Itemcode : **HD1006**

Q6: AMRUT stands for:

A	Atal Memorandum for Renewal and Urban Transformation
B	Atal Mission for Rural and Urban Transformation
C	Atal Mission for Renewal and Urban Transformation
D	Atal Mission for Rejuvenation and Urban Transformation

Correct Ans: **D**

<u>Itemcode</u> : HD1007	
Q7: As per URDPFI Guidelines 2014, urban design framework is suggested under the ambit of which plan?	
A	Urban Redevelopment Plan
B	Zonal Development Plan
C	Specific Purpose Plan
D	Comprehensive Mobility Plan
Correct Ans: B	

<u>Itemcode</u> : HD1008	
Q8: The correct arrangement of the height of towers given below in descending order is: P. Burj Khalifa, Dubai Q. Petronas Tower, Kuala Lumpur R. Taipei 101, Taiwan S. Shanghai Tower	
A	P, Q, R, S
B	P, Q, S, R
C	P, R, S, Q
D	P, S, Q, R
Correct Ans: D	

<u>Itemcode</u> : HD1009	
Q9: Volume of coarse aggregate in m ³ present in 1.0 m ³ of 1 : 1.5 : 3 concrete mix made by volume batching is:	
A	0.5 to 0.6
B	1
C	4 to 4.5
D	2 to 3
Correct Ans: A	

<u>Itemcode</u> : HD1010	
Q10: The construction technique 'toothing' is used in:	
A	Wood construction
B	Brick masonry
C	Steel construction
D	Reinforced cement concrete construction
Correct Ans: B	

<u>Itemcode</u> : HD1011	
Q11: Pritzker Architecture Prize 2018 has been awarded to:	
A	Mario Botta
B	Rem Koolhaas
C	B V Doshi
D	Zaha Hadid
Correct Ans: C	

<u>Itemcode</u> : HD1012	
Q12: In AutoCAD, the maximum number of points which can be snapped in a circle using OSNAP command is	
A	1
B	3
C	4
D	5
Correct Ans: D	

Itemcode : **HD1013**

Q13: V1 to V7 concept given by Le Corbusier refers to

- | | |
|----------|--------------------------|
| A | Neighbourhood Planning |
| B | Housing Typologies |
| C | Built structure strength |
| D | Hierarchy of Roads |

Correct Ans: **D**

Itemcode : **HD1014**

Q14: In escalators, the angle of inclination with the horizontal plane should be in the range of:

- | | |
|----------|---------|
| A | 5°-10° |
| B | 20°-30° |
| C | 30°-35° |
| D | 10°-15° |

Correct Ans: **C**

Itemcode : **HD1015**

Q15: As per the Census of India 2011, 'Metropolitan Urban Agglomeration' is a contiguous spread of several urban settlements where the minimum population size (in Lakh) is:

- | | |
|----------|-------|
| A | One |
| B | Two |
| C | Fifty |
| D | Ten |

Correct Ans: **D**

Itemcode : **HD1016**

Q16: BEES is an acronym for:

- | | |
|----------|--|
| A | Building for Environmental and Economic Sustainability |
| B | Built Environment and Ecological Society |
| C | Building for Energy and Environment Sustainability |
| D | Built Environment and Engineering Services |

Correct Ans: **A**

Itemcode : **HD1017**

Q17: Criteria for background noise (in NC) in hospitals and apartments is:

- | | |
|----------|---------|
| A | 10 - 20 |
| B | 20 - 30 |
| C | 30 - 40 |
| D | 40 - 50 |

Correct Ans: **B**

Itemcode : **HD1018**

Q18: 'Finger Plan' is an urban plan initially developed for which city?

- | | |
|----------|--------------|
| A | Canberra |
| B | Bhubaneshwar |
| C | Copenhagen |
| D | Tokyo |

Correct Ans: **C**

Itemcode : **HD1019**

Q19: To prevent overturning, the element constructed at intervals along the length of a wall to stabilize it is known as:

A	Buttress
B	Barrel Vault
C	Squinch Arch
D	None of the above
Correct Ans: A	

<u>Itemcode</u> : HD1020	
Q20: Which of the following is NOT a spatial theory of land use planning?	
A	Concentric Zone theory
B	Multiple Nuclei Theory
C	Centripetal Theory
D	Sector Theory
Correct Ans: C	

<u>Itemcode</u> : HD1021	
Q21: Arrange the following in ascending order of width: P. Collector Street Q. Arterial Road R. Local Street S. Sub-Arterial Road	
A	P, Q, S, R
B	R, P, S, Q
C	Q, S, R, P
D	Q, S, P, R
Correct Ans: B	

<u>Itemcode</u> : HD1022	
Q22: From the following cost components of a building construction project which is not a direct cost combination? P. Labour cost Q. Equipment cost R. Material cost S. Establishment cost T. Supervision cost	
A	P and Q
B	Q and R
C	P and R
D	S and T
Correct Ans: D	

<u>Itemcode</u> : HD1023	
Q23: The arithmetic average value of the sound absorption coefficient for a specific material and particular mounting condition for four frequencies is:	
A	Transmission coefficient
B	Noise reduction coefficient
C	Absorption coefficient
D	Reflection coefficient
Correct Ans: B	

<u>Itemcode</u> : HD1024	
Q24: In how many days, complete compressive strength of concrete can be measured?	
A	14
B	25
C	28

D	40
Correct Ans: C	

<u>Itemcode</u> : HD1025	
Q25: A tuned mass damper, also known as a harmonic absorber, is a device mounted in structures to reduce the amplitude of mechanical vibrations is installed in which famous building?	
A	Burj Khalifa
B	Taipie 101
C	Malaysian twin tower
D	Empire state building
Correct Ans: B	

<u>Itemcode</u> : HD1026	
Q26: Which of the following is not the shape of a girder?	
A	N Shape
B	Z Shape
C	I Shape
D	Box Shape
Correct Ans: A	

<u>Itemcode</u> : HD1027	
Q27: Which among the following state has highest number of proposed Smart cities?	
A	Madhya Pradesh
B	Maharashtra
C	Gujarat
D	Uttar Pradesh
Correct Ans: D	

<u>Itemcode</u> : HD1028	
Q28: Which is the oldest mountain range in India?	
A	Himalayan Range
B	Aravalli Range
C	Western Ghats
D	Vindhya Range
Correct Ans: B	

<u>Itemcode</u> : HD1029	
Q29: Which of the following order is part of Roman order, but not Greek order?	
A	Doric
B	Ionic
C	Corinthian
D	Composite
Correct Ans: D	

<u>Itemcode</u> : HD1030	
Q30: As per the National Building Code, the minimum width (in m) of a staircase flight in an educational building above 24 m height should be:	
A	1.0
B	2.0
C	1.5
D	2.5

Correct Ans: **B**

Itemcode : **HD1031**
Q31: Oculus is the prominent feature of which of the following buildings?

A	Parthenon, Greece
B	Temple of Zeus, Aizanoi
C	Pantheon, Rome
D	Garni Temple, Armenia

Correct Ans: **C**

Itemcode : **HD1032**
Q32: What does 'Cupola' Stand for in architecture?

A	Arches
B	Domes
C	Doorway
D	Sanctum

Correct Ans: **B**

Itemcode : **HD1033**
Q33: According to the Bureau of Indian Standards, how much is the average consumption of water for hospitals exceeding 100 beds?

A	450 L/head/day
B	350 L/head/day
C	250 L/head/day
D	150 L/head/day

Correct Ans: **A**

Itemcode : **HD1034**
Q34: As per the Urban and Regional Development Plan Formulation and Implementation (URDPFI) guidelines, population of urban medium town on hilly area is:

A	5,000-20,000
B	20,000-80,000
C	80,000-1,50,000
D	1,50,000-5,00,000

Correct Ans: **B**

Itemcode : **HD1035**
Q35: Which is of the following building is not the work of famous Architect Balkrishna Doshi:

A	Sangath, Ahmedabad
B	IIM, Bangalore
C	Aranya low cost housing, Indore
D	Jawahar Kala Kendra, Jaipur

Correct Ans: **D**

Itemcode : **HD1036**
Q36: Which of the following is not a Pritzker prize winner:

A	Toyo Ito
B	Rem Koolhaas
C	Le Corbusier
D	Jean Nouvel

Correct Ans: **C**

Itemcode : **HD1037**

Q37: Slenderness ration of a column is represented as:

- | | |
|----------|---------------------------------------|
| A | Effective length/Cross sectional area |
| B | Effective length/Radius of gyration |
| C | Actual length/Cross sectional area |
| D | Actual length/Radius of gyration |

Correct Ans: **B**

Itemcode : **HD1038**

Q38: Identify the buildings:



- | | |
|----------|--------------------------------------|
| A | Habitat 67 and CCTV tower |
| B | Habitat 67 and TV tower |
| C | Common wealth housing and CCTV tower |
| D | Common wealth housing and TV tower |

Correct Ans: **A**

Itemcode : **HD1039**

Q39: Flying buttresses were a part of Gothic Architecture for:

- | | |
|----------|---------------------|
| A | Supporting roofing |
| B | Historic importance |
| C | Aesthetic purpose |
| D | None of the above |

Correct Ans: **D**

Itemcode : **HD1040**

Q40: Which of the following is an example of Garden city?

- | | |
|----------|------------|
| A | Letchworth |
| B | Welwyn |
| C | Both |
| D | None |

Correct Ans: **C**

Itemcode : **HD1041**

Q41: Which of the following is not an example of Dravidian Architecture:

- | | |
|----------|------------------------|
| A | Virupaksha Temple |
| B | Meenakshi Temple |
| C | Padmanabhaswamy Temple |
| D | None of the above |

Correct Ans: **D**

Itemcode : **HD1042**

Q42: Which of the following is not a drafting software:

A	AutoCAD
B	Sketch up
C	Revit
D	Erdas IMAGINE

Correct Ans: **D**

Itemcode : **HD1043**
Q43: In architecture, BIM stands for:

A	Building Informative Model
B	Built Interior Model
C	Building Information Modelling
D	None of the above

Correct Ans: **C**

Itemcode : **HD1044**
Q44: Which of the following is NOT a criteria for defining urban areas:

A	Population size
B	Percentage of pucca houses
C	Density of population
D	Percentage of male working population engaged in non-agricultural activities

Correct Ans: **B**

Itemcode : **HD1045**
Q45: The ideal cross-section of a combined sewerage system for significant variation in flow is:

A	Circular
B	Semi-elliptical
C	Egg-shaped
D	Horse-shoe shaped

Correct Ans: **C**

Itemcode : **HD1046**
Q46: Name the author of the book titled 'Garden Cities of Tomorrow'

A	Christopher Alexander
B	Patrick Geddes
C	Lewis Mumford
D	John Ruskin

Correct Ans: **S** (S Denotes question scrapped and weight-age to all)

Itemcode : **HD1047**
Q47: The National Aptitude Test in Architecture (NATA) is being conducted by the:

A	Council of Architecture
B	Indian Architects Association
C	AIEEE
D	IIT

Correct Ans: **A**

Itemcode : **HD1048**
Q48: Who is known as the "master builder" of mid-20th New York City?

A	Jane Jacobs
B	Robert Moses
C	Oscar Niemeyer

D	Frei Otto
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Correct Ans: **B**

<u>Itemcode</u> : HD1049	
Q49: What does PERT stand for?	
A	Program Evaluation and Revision Technique
B	Progress Evaluation and Revision Technique
C	Programme Evaluation and Review Technique
D	Proposal for Environment and Review Technique

Correct Ans: **C**

<u>Itemcode</u> : HD1050	
Q50: What is Lumion 3D?	
A	Rendering tool
B	Drafting tool
C	Energy management tool
D	None of the above

Correct Ans: **A**

<u>Itemcode</u> : HD1051	
Q51: The latest National Building Code of India has been revised in which year?	
A	2011
B	2016
C	2015
D	2018

Correct Ans: **B**

<u>Itemcode</u> : HD1052	
Q52: The original fan-shaped Master Plan for Chandigarh was given by:	
A	Ebenezer Howard
B	Jane Drew
C	Otto H. Koenigsbrger
D	Albert Mayer

Correct Ans: **D**

<u>Itemcode</u> : HD1053	
Q53: For architectural anthropometry studies, the average male height for India is:	
A	160 cm
B	175 cm
C	165 cm
D	162 cm

Correct Ans: **C**

<u>Itemcode</u> : HD1054	
Q54: The creep strains are:	
A	Caused due to dead loads only
B	Caused due to live loads only
C	Caused due to cyclic loads only
D	Independent of loads

Correct Ans: **A**

<u>Itemcode</u> : HD1055	
Q55: The National Building Code of India does not cover:	
A	Structural Design
B	Building Services
C	Plumbing Services
D	None of the above
Correct Ans: D	

<u>Itemcode</u> : HD1056	
Q56: Shear force on a cantilever beam is:	
A	Sum of vertical forces acting on a particular section of the beam
B	Sum of horizontal forces acting on a particular section of the beam
C	Sum of horizontal and vertical forces acting on a particular section of the beam
D	None of the above
Correct Ans: A	

<u>Itemcode</u> : HD1057	
Q57: The Council of Architecture has been constituted by the Government of India under the provisions of the Architects Act passed in:	
A	1982
B	1972
C	1992
D	1962
Correct Ans: B	

<u>Itemcode</u> : HD1058	
Q58: A triforium refers to:	
A	Vault
B	Shallow Arched gallery
C	Boundary wall
D	Church
Correct Ans: B	

<u>Itemcode</u> : HD1059	
Q59: As per NBC 2005, the area prescribed for equivalent car space (inclusive of circulation area) for ground floor covered parking is:	
A	23sq m
B	25sq m
C	28sq m
D	32sq m
Correct Ans: C	

<u>Itemcode</u> : HD1060	
Q60: If the Young's modulus of elasticity of a material is twice its modulus of rigidity, then Poisson's ratio of material is:	
A	-1
B	-0.5
C	0.5
D	zero
Correct Ans: D	

<u>Itemcode</u> : HD1061	
Q61: The reverberation time depends on which of the following variables:	

A	Volume of room
B	Absorption coefficient
C	Surface area of the room
D	All of the above
Correct Ans: D	

<u>Itemcode</u> : HD1062	
Q62: In Census 2011, which is the largest State in India (in area)?	
A	Maharashtra
B	Madhya Pradesh
C	Rajasthan
D	Uttar Pradesh
Correct Ans: C	

<u>Itemcode</u> : HD1063	
Q63: Hearing range is:	
A	20Hz to 20 kHz
B	2Hz to 20 MHz
C	200Hz to 200MHz
D	Infinitely wide
Correct Ans: A	

<u>Itemcode</u> : HD1064	
Q64: A good brick when immersed in water bath for 24 hours, should not absorb water more than	
A	20% of its dry weight
B	15% of its saturated weight
C	10% of its saturated weight
D	20% of its saturated weight
Correct Ans: A	

<u>Itemcode</u> : HD1065	
Q65: The most suitable stone for building piers is:	
A	Granite
B	Limestone
C	Sand Stone
D	Marble
Correct Ans: A	

<u>Itemcode</u> : HD1066	
Q66: Perspective plans are prepared by:	
A	City development block
B	Central Planning Commission
C	Metropolitan Planning committee
D	Ward Committee
Correct Ans: C	

<u>Itemcode</u> : HD1067	
Q67: Kandariya Mahadeva Temple is located in which city:	
A	Ujjain
B	Khajuraho

C	Devas
D	Puri
Correct Ans: B	

<u>Itemcode</u> : HD1068	
Q68: LEED is known as :	
A	Leadership in Energy and Environmental Design
B	Leadership in Efficiency and Electrical Design
C	Loss in Efficiency and Electrical Design
D	Lighting Efficiency and Energy Database
Correct Ans: A	

<u>Itemcode</u> : HD1069	
Q69: For CFL Bulb the distribution of total energy is:	
A	70% heat and 30% light
B	80% heat and 20% light
C	75% Heat and 25% light
D	90% Heat and 10% Light
Correct Ans: B	

<u>Itemcode</u> : HD1070	
Q70: While referring a grading plan, the following number (106.2) would refer to :	
A	Proposed contour at 106.2
B	Proposed spot elevation at 106.2
C	Existing contour at 106.2
D	Existing spot elevation at 106.2
Correct Ans: D	

<u>Itemcode</u> : HD1071	
Q71: Pumps based on type of power required:	
A	Gasoline and steam engine pumps
B	Displacement and centrifugal pumps
C	Low lift and high life pumps
D	Deep well and boost pumps
Correct Ans: A	

<u>Itemcode</u> : HD1072	
Q72: The role of super-plasticizer in a cement paste is to:	
A	Disperse the particles
B	Disperse the particles and to remove air bubbles
C	Disperse the particles, remove air bubbles and to retard setting
D	Retard setting
Correct Ans: C	

<u>Itemcode</u> : HD1073	
Q73: Which of the following is not a renewable energy source:	
A	Wind
B	Solar
C	Biomass
D	Natural gas

Correct Ans: **D**

Itemcode : **HD1074**
Q74: Kevin Lynch suggested that users formed mental maps with five elements namely :

A	Paths, edges, districts, nodes, landmarks
B	Roads, bridges, stations, intersections, squares.
C	Plants, trees, streets, vehicles, houses.
D	Streets, museums, stations, intersections, signages.

Correct Ans: **A**

Itemcode : **HD1075**
Q75: Which represents the nearest limits of the future uncontrolled building activity in relation to road:

A	Building line
B	Kerb
C	Shoulder
D	Control line

Correct Ans: **D**

Itemcode : **HD1076**
Q76: NBCC" stands for :

A	National Building Code Corporation
B	National Building Construction Corporation
C	National Building Construction Company
D	National Building Construction Code

Correct Ans: **B**

Itemcode : **HD1077**
Q77: If the depth of a beam of rectangular section is reduced to half, strain energy stored in beam becomes:

A	1/4 time
B	1/8 time
C	4 time
D	8 time

Correct Ans: **D**

Itemcode : **HD1078**
Q78: Which of the following is the tallest monolithic statue?

A	Bahubali, Shravanbelagola
B	Bahubali, Karkala
C	Bahubali, Dharmsthala
D	Bahubali, Venur

Correct Ans: **A**

Itemcode : **HD1079**
Q79: Workability of concrete is directly proportional to :

A	Aggregate-cement ratio
B	Time of transit
C	Grading of the aggregate
D	All of the above

Correct Ans: **C**

Itemcode : **HD1080**

Q80: Which of these is a scheme for Slum Housing in India:	
A	RAY
B	IAY
C	JRY
D	SGSY
Correct Ans: A	

<u>Itemcode</u> : HD1081	
Q81: For her contribution in controlling which ailment has Geeta Verma of Mandi district of H.P. been honoured by the W.H.O.?	
A	T.B.
B	Cancer
C	Measles
D	Malaria
Correct Ans: C	

<u>Itemcode</u> : HD1082	
Q82: Which mountain pass joins Chamba and Kangra ?	
A	Jalori
B	Dulchi
C	Chuari
D	Darati
Correct Ans: C	

<u>Itemcode</u> : HD1083	
Q83: Around which month is Cherwal festival celebrated in H.P. ?	
A	Asad
B	Sawan
C	Bhadon
D	Asauj
Correct Ans: C	

<u>Itemcode</u> : HD1084	
Q84: Which goddess is worshipped during Trilokpur fair of Sirmour district of H.P. ?	
A	Bala Sundri
B	Lakhshana
C	Soloni
D	Shakti Devi
Correct Ans: A	

<u>Itemcode</u> : HD1085	
Q85: In which year was Administrative Reforms Unit set up in Himachal Pradesh ?	
A	1963
B	1964
C	1965
D	1966
Correct Ans: B	

<u>Itemcode</u> : HD1086	
Q86: In which district of H.P. is Shilli sanctuary ?	
A	Shimla

B	Bilaspur
C	Solan
D	Sirmour
Correct Ans: C	

<u>Itemcode</u> : HD1087	
Q87: Among the following, which District of H.P. is Not included in the H.P. Crop Diversification Promotion Project ?	
A	Bilaspur
B	Mandi
C	Solan
D	Hamirpur
Correct Ans: C	

<u>Itemcode</u> : HD1088	
Q88: How many women were elected during the 2017 H.P. Vidhan Sabha elections ?	
A	Two
B	Three
C	Four
D	Five
Correct Ans: C	

<u>Itemcode</u> : HD1089	
Q89: Which lake is situated between Dodra - Kavar and Sangla ?	
A	Bradonsar
B	Ghadasaru
C	Kareli
D	Kunt Bhyog
Correct Ans: A	

<u>Itemcode</u> : HD1090	
Q90: Which among the following sectors is NOT included in H.P. in Pradhan Mantri Mudra Yojna ?	
A	Manufacturing
B	Farming
C	Trading
D	Services
Correct Ans: B	

<u>Itemcode</u> : HD1091	
Q91: With which activity is R. Vasudevan, the recipient of Padma Shri on the eve of 2018 Republic Day, associated ?	
A	Plastic roadmaking
B	Tabla player
C	Sports
D	Music
Correct Ans: A	

<u>Itemcode</u> : HD1092	
Q92: Which one of the following sectors is NOT included in the Stand - up India scheme of Government of India launched in 2016 for setting up new enterprises ?	
A	Agriculture
B	Manufacturing
C	Trading

D	Services
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Correct Ans: **A**

Itemcode : **HD1093**
Q93: How many National Bravery Awards 2017 were presented posthumously on 2018 Republic Day ?

A	NIL
B	One
C	Two
D	Three

Correct Ans: **D**

Itemcode : **HD1094**
Q94: With which game is Santosh trophy associated ?

A	Hockey
B	Football
C	Tennis
D	Cricket

Correct Ans: **B**

Itemcode : **HD1095**
Q95: Sharing of water of which river is a bone of contention between Odisha and Chhatisgarh ?

A	Gomti
B	Godavery
C	Mahanadi
D	Krishna

Correct Ans: **C**

Itemcode : **HD1096**
Q96: Who is the President of Philippines ?

A	Rodrigo Duterte
B	Lee Hsieng Loong
C	Hun Sen
D	Prayuth Chan - Ocha

Correct Ans: **A**

Itemcode : **HD1097**
Q97: What was the venue of Miss Universe competition held in November, 2017 ?

A	Sanya (China)
B	Las Vegas (U.S.A.)
C	Sao Paulo (Brazil)
D	Ho Chi Minh City (Vietnam)

Correct Ans: **B**

Itemcode : **HD1098**
Q98: Which was the first Newspaper of India ?

A	Bombay Times
B	Hindu
C	Bengal Gazette
D	None of these

Correct Ans: **C**

Itemcode : **HD1099**

Q99: Who invented X-rays ?

- | | |
|----------|-------------------|
| A | John Dalton |
| B | William Herschel |
| C | Marie Curie |
| D | Willhelm Roentgen |

Correct Ans: **D**

Itemcode : **HD1100**

Q100: Which day is observed as Earth Day ?

- | | |
|----------|--------------|
| A | April 22 |
| B | June 21 |
| C | September 14 |
| D | December 10 |

Correct Ans: **A**