

PART III

08 - ARCHITECTURE

(Answer ALL questions)

41. The time taken by hydraulic lime to slake is
- 6 to 10 hrs
 - 12 to 48 hrs
 - 2 to 6 hrs
 - More than 60 hrs
42. Surkhi is added to lime mortar to impart the following property
- Improve workability
 - Improve solubility
 - Impart hydraulicity
 - Impart ductility
43. What are the limitations of Timber Framed Structures?
- heavy-weight
 - difficult to transport materials
 - cannot withstand tensile load
 - prone to fire
44. How alternate header and stretcher in each course of brickwork is known as?
- Garden wall bond
 - Flemish bond
 - English bond
 - Dutch bond
45. The defect of white decayed spots concealed by healthy wood in timber is known as
- Burls
 - Foxiness
 - Druxiness
 - Dead wood
46. The timber which is fully or partially covered with resin is known as
- Impreg timber
 - Lamin board
 - Compreg timber
 - Fibre board
47. What is the maximum level of background noise allowed in the classroom?
- 35 dB
 - 60 dB
 - 20 dB
 - 10 dB
48. The formation of dull patches on finished polished surface is
- Grinning
 - Saponification
 - Fading
 - Bloom
49. Which one of the following statements regarding distemper is wrong?
- They are treated as water paints
 - They are durable than oil paints
 - They exhibit poor workability
 - They provide a good reflective coating
50. For M10 grade concrete the proportion of cement, sand and coarse aggregate is
- 1:1:2
 - 1:3:6
 - 1:2:4
 - 1:4:8
51. What is the recommended slump of concrete for normal RCC work?
- 25 mm to 50 mm
 - 70 mm to 80 mm
 - 80 mm to 150 mm
 - 160 mm to 180 mm
52. Who pioneered the Domino House?
- Frank Lloyd Wright
 - Louis Sullivan
 - Le Corbusier
 - Auguste Perret

53. Which of the following elements was commonly used in Gothic Architecture?
- Round Arches
 - Pendentives
 - Rose windows
 - Battlemented parapets
54. The middle portion of an Entablature is called as
- Pediment
 - Cornice
 - Frieze
 - Corbel
55. Which of the following mosques does not have a courtyard?
- Jama masjid, Cambay
 - Atala Masjid, Jaunpur
 - Jama Masjid, Mandu
 - Jama Masjid, Gulbarga
56. Who designed Centre for Development Studies building in Trivandrum?
- Laurie Baker
 - Raj Rewal
 - A. Kanvinde
 - B.V.Doshi
57. The cold bath area in a Roman bath is called as
- Calidarium
 - Apodyterium
 - Palaestra
 - Frigidarium
58. Which of the following is not a character of Saxon Building?
- Pilaster Strips
 - Double Splayed windows
 - Long and short quoins
 - Buttressed walls
59. Ogee arch tracery is used widely in _____ style of architecture.
- Perpendicular Gothic
 - Decorated Gothic
 - Romanesque
 - Greek
60. Which of the building is designed by Louis Kahn?
- Capitol Complex in Chandigarh
 - Kimbell Art Museum
 - Yale School of Architecture
 - Tokyo Imperial Hotel
61. Which of the following architects designed Carson Pirie Scott Store building?
- Louis Sullivan
 - Mies van der Rohe
 - William Le Baron Jenney
 - Richardson
62. What was the population of contemporary city proposed by Le Corbusier?
- 1 million
 - 4 million
 - 3 million
 - 5 million
63. Santa Maria del Fiore cathedral has
- Pendentive dome
 - double shell dome
 - a conical dome
 - hemispherical dome
64. The Mysore Palace was designed by
- George Willet
 - Henry Irwin
 - Edwin Lutyens
 - James Ransome

65. The alteration or repetition of elements with defined intervals between them, creates a sense of movement and it is used to establish a texture or pattern
- Contrast
 - Rhythm
 - Monotony
 - Emphasis
66. Gandhi Nagar plan in Gujarat is an example for
- Clustered organization
 - Organic organization
 - Radial organization
 - Grid organization
67. Which of the following architects is NOT a part of De-constructivist movement?
- Rem Koolhaas
 - Mies Van de Rohe
 - Peter Eisenmann
 - Bernard Tschumi
68. Which one of the following DOES NOT come under Schmitt's classification of design method?
- Routine design method
 - Creative design Method
 - Innovative design method
 - Craft design method
69. The book "The Pattern Language" is written by
- Frank Gehry
 - Walter Gropius
 - Le Corbusier
 - Christopher Alexander
70. Post-Facto Explications diagram illustrates
- abstract notions and contains scaled comparison of volumes
 - elements in relation to building form after the design is completed
 - relation to Sensorial or Experiential aspects of the design concept
 - the details of Sequence of steps in a design development process
71. The Visionary diagram named "Plug-in City" is done by
- Cedric Price
 - Peter Cook
 - Yona Freidmann
 - Arato Isazaki
72. Which of the following will not produce echo?
- Mirror
 - Rock
 - Marble
 - Porous materials
73. Bulking of sand is highest in
- Coarse sand
 - Fine Sand
 - Medium sand
 - Coarse and medium sand
74. One of the fractal types, Koch Snow flake starts with the basic shape is
- Dodecahedron
 - Circle
 - Square
 - Equilateral triangle
75. Which of the following characteristics is NOT related to fractal?
- Deterministic
 - Evolutionary
 - Self-Similar
 - Recursive
76. Who said the statement, "Liquid Architecture is an architecture, whose form is contingent on the interest of the beholder"?
- Greg Lynn
 - Marcos Novak
 - Peter Eisenmann
 - Bernard Tschumi

77. The use of dimming systems for street lighting is recommended when the supply voltage exceeds
- 220 V
 - 240 V
 - 440 V
 - 415 V
78. Through Solids, Sound travels as
- Longitudinal waves
 - Transverse waves
 - Transverse and Longitudinal waves
 - Compression waves
79. An anechoic chamber is a room designed to
- Completely absorb reflections of either sound or electromagnetic waves
 - Reflect sound or electromagnetic waves
 - Absorb electromagnetic waves
 - transmit electromagnetic waves
80. Which is the valve used to maintain constant water level and to prevent overflow in plumbing?
- Float valve and ball cock
 - Gate Valve
 - Globe Valve
 - Butterfly Valve
81. Low pressure sodium vapor lamps have the following disadvantage compared to high pressure sodium vapor lamps
- Costly
 - Poor color rendering
 - Inefficient
 - Can only be used for indoor applications
82. What is the color code for single live wiring in India?
- Red
 - Black
 - Yellow
 - Green
83. As per Indian Standards, the number of water closets for male personnel should be _____ in office buildings.
- 1 for every 25 persons or part thereof
 - 1 for every 30 persons or part thereof
 - 1 for every 40 persons or part thereof
 - 2 for every 40 persons or part thereof
84. Where Busbars are used in?
- Electrical systems
 - Barrier free system
 - Bus handles
 - None of the above
85. Which one of the following is Sound absorbing material?
- porous
 - solid
 - transparent
 - none of the above
86. Urban mountain at Copenhagen was designed by
- Bjarke Ingels
 - Chris Precht
 - Sir Norman Foster
 - Daniel Libeskind
87. Where Biometrics is used in?
- Automation
 - Smart buildings
 - Security systems
 - All of the above
88. Creep in concrete is defined as deformation of structure
- Due to increase in load
 - Under sustained load
 - Under acute shocks
 - All of the above
89. Neighbourhood unit concept was crystallised by
- John F C Turner
 - C A Perry
 - Doxiadis
 - William Drummond

90. The Radburn planning in New Jersey constituted of
- Small walkable blocks
 - Hierarchical transportation systems
 - Parks as backbone
 - All of the above
91. What is the aim of the National Slum Development Programme?
- Improve physical amenities like water supply and drainage in non-notified slums
 - Improve community infrastructure such as Schools and Community Centers in notified slums
 - Upgrade housing in non-notified slums
 - All of the above
92. The building sector accounts for _____ of global energy consumption
- 30 — 40 %
 - 10 — 15 %
 - 50 — 60 %
 - 20 — 25 %
93. What is the Core focus of Urban housing and habitat policy 2007?
- Increased supply of service land
 - Regional planning approach
 - Affordable housing for all
 - Slum redevelopment
94. What is the name of the housing unit constructed under Pradhan Mantri Gramin Awas Yojana?
- Female of the household
 - Male of the household
 - Village administrative officer
 - Community head
95. Prefabrication production was pioneered in India by
- Tata housing
 - DTH manufacturing
 - Hindustan Housing Factory
 - Pressmach
96. Tax incremental financing in Hyderabad model is to pay for
- Urban Infrastructure such as Storm water drains, parks and roads
 - Education
 - Land
 - Institutions
97. Missing middle in housing describes
- Highrise housing
 - Duplexes, town houses and small apartments
 - Social, affordable housing
 - Eco, sustainable housing
98. Which of the following is organically developed?
- Old Delhi
 - New Delhi
 - Dwaraka sub-city
 - Chandigarh
99. Which of the following constitutes landslides due to geologic factors?
- Weak strength of material below ground surface
 - Excavation of slope for construction
 - Cutting/filling done near stream
 - All of the above
100. To withstand flooding, shelters and settlement should be
- sited above flood level
 - sited in low lying areas
 - of rectangular configuration
 - built on uncompacted ground