

08 — ARCHITECTURE

(Answer ALL questions)

56. According to the Guidelines and space standards for Disabled and elderly persons by the CPWD, India, the entrance landing shall be minimum of the following dimension
1. 1500 × 1500 mm
 2. 1250 × 1250 mm
 3. 1750 × 1750 mm
 4. 1800 × 1800 mm
57. The serpentine line was advocated by whom?
1. Capability brown
 2. William Wordsworth
 3. William Hogarth
 4. Repton
58. 'Taoism' was propagated by
1. Confucius
 2. Laozi
 3. The Han tribe
 4. Dalai lama
59. Example for Perimeter block development is
1. Cooper housing
 2. Royal mint Square housing
 3. Edmonton Housing
 4. Brunswick centre
60. Example for educational city is
1. California
 2. South Africa
 3. Singapore
 4. Sunbelt in USA
61. BMS refers to
1. Building Maintenance System
 2. Building Management System
 3. Building Management Services
 4. Building Maintenance Services
62. The water's hardness is said to be medium when the CaCO_3 equivalent is
1. 100-250mg/l
 2. 50-150 mg/l
 3. 25-75 mg/l
 4. 150-200mg/l
63. Unit of measuring flow of current
1. ampere
 2. coulomb
 3. volt
 4. watt
64. A an iron-carbon alloy with a minimum of 10.5% chromium and nickel content, is called
1. Stainless steel
 2. Tool steel
 3. Electrical steel
 4. Silicon steel
65. The types of glass which will not shatter when broken, generally used in the windshield of automobiles are called
1. Fiber glass
 2. Bullet proof glass
 3. Tinted glass
 4. Laminated glass
66. Blocking and stacking within the programming process is most critical when considering
1. space requirements
 2. special equipment
 3. site limitations
 4. building systems
67. What is meant by a 'char bagh'?
1. Islamic paradise garden
 2. Four parts of a garden
 3. Paths in a garden
 4. Water body
68. The author of Design of Cities is
1. Leo Jacobson and Ved Prakash
 2. Edmond Bacon
 3. Christopher Alexander
 4. Andreas Faludi
69. Who was the landscape architect who designed central park, New York?
1. Andrew Le Notre
 2. Ian Mcharg
 3. Phil Lewis
 4. Lancelot 'Capability' Brown

70. In 3DS Max, smooth 3D surfaces, by blending a series of selected shape curves, can be created by
1. Lofting
 2. Sweeping
 3. Filletting
 4. Extruding
71. Outline specifications written during the programming phase of a project are generally broken down by
1. Rooms
 2. Divisions
 3. Costs
 4. Products
72. What is meant by 'core area' in a national park?
1. Totally preserved area
 2. Transition area
 3. Study area
 4. Activity area
73. The art of pruning trees shrubs is
1. Topiary
 2. Treeairry
 3. Myrtyl chop
 4. Shrubbery
74. Analysis of Climate characteristics to achieve design indicators is done with
1. Nomogram
 2. Psychrometric chart
 3. Mahoney's Tables
 4. Fangner's model
75. Among the sites being considered for a new main library are those adjacent to the following areas or services. The most appropriate site is one that is adjacent to
1. a residential neighborhood and recreation facilities
 2. churches and governmental offices
 3. public schools
 4. shopping and public transportation
76. A 'Cul-De-Sac' is a street where
1. Only two wheelers are permitted
 2. Through traffic is discouraged
 3. Pedestrian are not permitted
 4. Vehicles are permitted to move in one direction only
77. Which of these is a cut /fill calculation method?
1. Average end area method
 2. Circle method
 3. Rhombus method
 4. Line method
78. 'Usonian' houses were designed by
1. Mies Van De Rohe
 2. F.L. Wright
 3. Alver Aalto
 4. Le Corbusie
79. The KYOTO Protocol-2003 addressed the issue of
1. Bio-diversity
 2. Greenhouse gases
 3. Wetlands
 4. Rainwater harvesting
80. Which of the following is not included in the UDPFI guidelines for urban development?
1. Perspective Plans
 2. City development plans
 3. Annual plans
 4. Development plans
81. The property of concrete measured by the Slump Test is
1. Durability
 2. Hardness
 3. Strength
 4. Workability

93. Which of the following building types typically has the highest mechanical and electrical construction costs?
1. General care hospital
 2. Career technical school
 3. Medical office building
 4. Correctional facility
94. Harmika in Buddhist stupa is
1. Peripheral railing
 2. Hemispherical dome
 3. Portion above the dome
 4. Entrance gateway
95. The architect for Kansai Airport, Osaka is
1. Rem Koolhaas
 2. Renzo Piano
 3. Tadao Ando
 4. I.M. Pei
96. The appearance of waterborne salts on the face of masonry is called
1. laitance
 2. efflorescence
 3. effluence
 4. permeance
97. Electrical floor-plan drawings show all of the following EXCEPT
1. conduit
 2. switches
 3. fixtures
 4. wall devices
98. Given equal amounts of solar radiation, which of the following will absorb the LEAST?
1. Red brick
 2. Galvanized steel
 3. Slate
 4. Polished aluminum
99. The radius of gyration relates directly to a member's resistance to
1. bending stress
 2. buckling
 3. shear stress
 4. deflection
100. Which one of the following was not a fort-town?
1. Vanji
 2. Udaipur
 3. Jaisalmer
 4. Gulbarga
101. How many categories are listed in CRZ regulations?
1. 5
 2. 3
 3. 2
 4. 4
102. Which of these is not an activity in EIA;
1. Public participation
 2. Stake holder consultations
 3. Impact assessment
 4. Demonstrations against an activity.
103. Bernard Tschumi's park de la Villette was an example of
1. Modernist landscape garden
 2. Post modernist landscape garden
 3. De-constructivist garden
 4. Zen garden
104. Axis Mundi is
1. A line connecting underworld, earth and heaven.
 2. A line that organizes spaces with clear focus on one side.
 3. Any axis
 4. An Indian way of expressing axial organization

105. The finish of toilet accessories is best identified in the
1. shop drawings
 2. project specifications
 3. project details
 4. finish schedule
106. Which of the following window types provides the LEAST amount of natural ventilation area for a given rough-opening size?
1. Double-hung
 2. Casement
 3. Jalousie
 4. Pivot
107. National Science Center at Pragati Maidan, New Delhi is designed by
1. J.A. Stein
 2. Anant Raje
 3. Raj Rewal
 4. A.P. Kanvinde
108. The proponent of the Urban Planning Theory on Multiple Nuclei is
1. Clarence Perry
 2. Walter Christaller
 3. Homer Hoyt
 4. Harris and Ullman
109. The purpose of prestressing concrete members is to
1. transfer loads to nonstructural members
 2. respond to the creep characteristics of concrete
 3. eliminate beam deflection
 4. reduce tensile stresses resulting from loads
110. 'Flying Buttress' is an architectural element of
1. Indian architecture
 2. Renaissance Architecture
 3. Gothic Architecture
 4. Byzantine architecture
111. The total load created by rainfall on a long-span roof is NOT influenced by the following?
1. Area of the roof
 2. Size of the column
 3. Rainfall rate
 4. Distance to the roof drains
112. Expansion for GIS is
1. General Illumination Service
 2. Geographical Integration and Sustainability
 3. Geographical Information Systems
 4. General Intelligence and Services
113. EIA means
1. Environment Impact Assessment
 2. Environment Impact Audit
 3. Energy Impact Assessment
 4. Energy Information Audit
114. The most energy efficient lamp is
1. CFL
 2. LED
 3. Incandescent
 4. Halogen
115. The most commonly used refrigerant is
1. Ammonia
 2. R22
 3. Fluorine
 4. Nitrous oxide

82. The architect of Scalinata di Trinità dei Monti is
1. Francesco
 2. Vitruvius
 3. Michelangelo
 4. Constantine
83. 'Entasis' is a visual correction for end column by providing
1. A slight convexity to the columns
 2. A major convexity to the columns
 3. A slight concavity to the columns
 4. A major concavity to the columns
84. The restoration of a 100-year-old neglected public landmark will include new windows, electrical and elevator modernization, murals conservation, and exterior masonry stabilization. Which of the following construction sequences is most appropriate?
1. Masonry, windows, elevators, murals
 2. Windows, elevators, masonry, murals
 3. Elevators, murals, windows, masonry
 4. Murals, elevators, windows, masonry
85. The international guideline for conservation and restoration of monuments and sites recommended by ICOMOS is known as
1. Venice Charter
 2. Amsterdam Declaration
 3. Granada Convention
 4. Burra Charter
86. Programming refers to all of the following EXCEPT
1. turning raw data into useful information
 2. evaluating data for design and analyzing their influence on major design elements
 3. designing an aesthetically pleasing building
 4. abstracting all program requirements to find the project's "uniqueness"
87. The point of contraflexure is the point where the
1. shear force changes its sign
 2. deflection is zero
 3. bending moment changes its sign
 4. torque is zero
88. A mechanical engineer would typically perform HVAC calculations and load calculations and do single-line duct layouts in which phase of basic services?
1. Pre-design
 2. Schematic design
 3. Design development
 4. Construction documents
89. An architect of the Chicago School movement is
1. Richard Boyle
 2. William Morris
 3. Louis Sullivan
 4. Hector Guimard
90. In topographic surveys, the line connecting points of equal elevation is called a
1. base line
 2. property line
 3. fall line
 4. contour line
91. Surkhi is obtained by grinding
1. well burnt clay bricks
 2. slag from industry
 3. rice husk
 4. stone aggregate
92. The unbuilt project of Zaha Hadid is
1. London Aquatic Centre
 2. Cardiff Bay Opera House
 3. MAXXI museum Rome
 4. Heydar Aliyev Center