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 CaCO₃ 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. coloumb
   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. Filleting
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. Treeairy
3. Myrtly 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. ‘Urbanian’ 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 UDPF 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 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