Combined Technical Services Examination

(NON – INTERVIEW POSTS)

COMPUTER BASED TEST

DATE OF EXAM : 18.08.2026 A.N.

PAPER – II : ARCHITECTURE (DEGREE STD.)

SUB. CODE : 401

1. Mention the project management software from the following.

(A) Primavera

(B) Auto CAD

(C) Blender

(D) Lumion

(E) Answer not known

2. Material Productivity Index =

(A) $\frac{\text{material actual consumption}}{\text{material standard quantity}}$

(B) $\frac{\text{material actual consumption}}{\text{efforts in manpower hours}}$

(C) $\frac{\text{material actual consumption}}{\text{crew hours}}$

(D) $\frac{\text{material actual consumption}}{\text{standard quantity planned}}$

(E) Answer not known

3. Which of the following statements are true?

(i) Agile processes promote sustainable development

(ii) It emphasises on constant updating of the execution and detailed planning of smaller cycles

(iii) It amplifies learning by feedback and frequent synchronization

(A) statement (i) is true

(B) statement (i) and (iii) are true

(C) statement (ii) and (iii) are true

(D) statement (i), (ii) and (iii) are true

(E) Answer not known

4. Arrange the process of planning and scheduling.

(a) Perform schedule calculations

(b) Determine activity sequence

(c) Identify project activities

(d) Monitor and control

(e) Determine activity durations

(A) (b), (c), (d), (e), (a)

(B) (c), (b), (e), (a), (d)

(C) (b), (d), (c), (a), (e)

(D) (c), (b), (a), (d), (e)

(E) Answer not known

5. Match the following :

(a) profit and loss	1. expected cash inflow and monetary outflow
(b) cash flow	2. anticipated revenue and expenditure
(c) balance sheet	3. anticipated assets and liabilities

	(a)	(b)	(c)
(A)	1	3	2
(B)	2	1	3
(C)	1	2	3
(D)	2	3	1

(E) Answer not known

6. Programme evaluation and review technique is based on

(A) events
(B) activity
(C) cost
(D) contract
(E) Answer not known

7. The term _____ is used to indicate the rate of increase or decrease in the cost of an activity per unit decrease in time.

(A) bar chart
(B) critical path
(C) cost slope
(D) activity
(E) Answer not known

8. _____ is the most important phase of project management.

(A) Material
(B) Planning
(C) Equipments
(D) Execution
(E) Answer not known

9. _____ is the determination of time required for each operation and the time order in which each operation has to be carried out to meet the plan objectives.

(A) Resources planning source
(B) CPM – management
(C) Scheduling
(D) Performance reports
(E) Answer not known

10. _____ is more frequently used for research and developments type of projects.

(A) Bar chart
(B) PERT
(C) CPM
(D) Network diagrams
(E) Answer not known

11. A hospitality building in a warm & humid climate zone achieves 42% reduction from the GRIHA bench mark EPI, then the project will receive how many points?

(A) 4
(B) 6
(C) 8
(D) no points
(E) Answer not known

12. _____ of the following is not explicity listed as an example of site furniture in the passage.

(A) Tree gates
(B) Bollards
(C) Utility boxes
(D) Retaining walls
(E) Answer not known

13. A street that turn into and connect with its main axis, with the center or island used for parking or open space is called

(A) street connector
(B) street cul-de-sac
(C) street carter
(D) street reconnector
(E) Answer not known

14. Minimizing impervious surfaces on driveways and walkways for the purpose of _____

(A) reduces storm water run-off
(B) drains out excessive storm water
(C) saves valuable top soil
(D) increases storm sewer load
(E) Answer not known

15. The type and location of curbing will affect driver behaviour and in turn the safety and utility of a roadway. Identify one parameter which is NOT considered for curbs?

(A) To control drainage

(B) To act as a deterrent to vehicles leaving the pavement at hazardous points

(C) To stabilise the road edge in flexible pavement

(D) To present a more unfinished appearance

(E) Answer not known

16. Landscape architecture is concerned with the arrangement of

(1) Structures

(2) Plant forms

(3) Water

(4) Land

(A) 1, 4, 3, 2

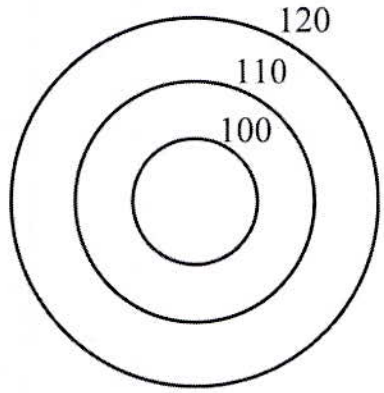
(B) 2, 3, 1, 4

(C) 4, 3, 2, 1

(D) 3, 4, 2, 1

(E) Answer not known

17. The below contour may shows the



(A) Hill surface
(B) Dry pond surface
(C) Plane surface
(D) Undulated surface
(E) Answer not known

18. Landscape architecture began as a profession on public and common goods with work of

(A) William Andrews Nesfield
(B) Ian Mc Harg
(C) Olmsted and Vaux
(D) Lewis Mumford
(E) Answer not known

19. The title "landscape architect" was first used by _____

(A) Frederick Manual
(B) Frederick Olmstead
(C) Calvert Vaux
(D) Emerald Necklace
(E) Answer not known

20. The _____ character of natural water feature affects the design and development of any project.

(A) aesthetic
(B) ephemeral
(C) historical
(D) perpetual
(E) Answer not known

21. The author of the book titled Design with nature is _____

(A) Charles Jencks
(B) Ian L Mc Harg
(C) John O Simonds
(D) John L Motloch
(E) Answer not known

22. Boulders deposited alongside or at the farthest downslope extent of a glacier are called

(A) flank
(B) climax
(C) moraines
(D) scarp
(E) Answer not known

23. Establishment of wall surfaces consisting of panels which support growing medium is known as

(A) curtain walls
(B) partition walls
(C) living walls
(D) screen walls
(E) Answer not known

24. The major environmental concern in the "Sariska Tiger Reserve – Rajasthan" – case was

(A) industrial pollution
(B) river contamination
(C) urban encroachment
(D) mining operation
(E) Answer not known

25. _____ is a colorless, odorless and tasteless gas that is slightly less dense than air.

(A) Lead (Pb)
(B) Nitrogen Oxides (NO_x)
(C) Carbon Monoxide (CO)
(D) Peroxyacyl Nitrates (PANs)
(E) Answer not known

26. The interaction between two species whereby one species suffers and the other species is not affected.

(A) commensalism
(B) competition
(C) amensalism
(D) saprotrophism
(E) Answer not known

27. The surface of the earth is considered as curved, this type of survey is

(A) plane surveying
(B) route surveying
(C) geodetic surveying
(D) astronomic surveying
(E) Answer not known

28. A fixed point of known elevation is called

(A) bench mark
(B) datum
(C) change point
(D) station
(E) Answer not known

29. Contour lines closely spaced at the top of the terrain feature and widely spaced at the bottom represents a _____ slope.

(A) concave slope
(B) convex slope
(C) spur
(D) convexo concave slope
(E) Answer not known

30. Hotspots of biodiversity are areas exhibiting species richness coupled with richness of _____

(A) endangered species
(B) extinct species
(C) endemic species
(D) elaborate species
(E) Answer not known

31. A topographic high that divides the landscape into two separate drainage areas are called

(A) sledge line
(B) pull line
(C) ridge line
(D) divider line
(E) Answer not known

32. To provide continuous shade or to block heavy winds, we can use

(A) evergreen trees
(B) deciduous trees
(C) native species
(D) high crowning trees
(E) Answer not known

33. Physical elements such as pedestrian circulation, vehicle transportation systems, adjacent land use, visual considerations etc., are a part of _____

(A) on-site natural factors
(B) on-site man made factors
(C) off-site influences
(D) on-site and off-site factors
(E) Answer not known

34. _____ refers to the natural tendency of biological systems to change over time in response to available energy and resource.

(A) Colonisation
(B) Naturalisation
(C) Progression
(D) Succession
(E) Answer not known

35. The population doubling time at a growth rate of 3% annually, will be

(A) 33 years
(B) 23 years
(C) 13 years
(D) $33\frac{1}{3}$ years
(E) Answer not known

36. The parking standards for automobile showrooms in CMA is

(A) one car space for every 50 sq.m. of gross area
(B) one car space for every 100 sq.m. of gross area
(C) one car space for every 150 sq.m. of gross area
(D) one car space for every 200 sq.m. of gross area
(E) Answer not known

37. DTCP 2019 regulations typically mandate which of the following for new developments?

(A) compliance with environmental impact assessments
(B) designed building styles
(C) specific colour codes for building
(D) types of interior furnishing
(E) Answer not known

38. Which of the following activities is permitted in commercial land use zone as per urban land use zoning regulations.

(A) local shopping centres
(B) hospitals
(C) botanical garden
(D) sports training centre
(E) Answer not known

39. According to section 17 of the SEZ Act, 2005, the application for setting up and operation of an offshore banking unit in a SEZ may be to the

(A) Nationalised Bank

(B) Co-Operative Bank

(C) Reserve Bank

(D) Globalised Bank

(E) Answer not known

40. Advancements in technology, transport have paved the way to combine vernacular materials with a modern materials to create a new typology of construction called as

(A) composite construction

(B) pucca construction

(C) combined construction

(D) strong construction

(E) Answer not known

41. The assumption that a uniform transportation surface results in a uniform distribution of the basic population is part of _____ theory.

(A) central place theory
(B) garden city planning concept
(C) broad acre city
(D) ecumenopolis
(E) Answer not known

42. Expand NRUM :

(A) National Rural Urban Model
(B) National Regional Urban Mission
(C) National Rurban Mission
(D) National Renewal Urban Movement
(E) Answer not known

43. The size of sector in Lecorbusier's Chandigarh is

(A) 1.6 km × 1.2 km
(B) 1.8 km × 2.4 km
(C) 1.2 km × 0.80 km
(D) 1.6 km × 0.75 km
(E) Answer not known

44. The recommended speed for sub arterial roads in India is

(A) 80 kmph
(B) 60 kmph
(C) 50 kmph
(D) 30 kmph
(E) Answer not known

45. The colour code for transportation and communication as per land use classification in development plans is _____

(A) purple
(B) brown/grey
(C) blue
(D) green
(E) Answer not known

46. The concept of 'Super Block' in Radburn layout consists of

(A) 60 – 90 acres
(B) 30 – 50 acres
(C) 12 – 18 acres
(D) 100 acres
(E) Answer not known

47. Which pattern is also called as "Spider's Web System"?

(A) concentric street system
(B) radial street system
(C) combination of radial and rectangular street system
(D) combination of concentric and rectangular street system
(E) Answer not known

48. Which one of street system is called as 'INFORMAL STREET SYSTEM'?

(A) organic street system
(B) concentric and radial street system
(C) rectangular combined with radial street system
(D) irregular medieval street system
(E) Answer not known

49. In Dandaka type of town plan the main street – "Raj Marga" were oriented in which direction?

(A) north-south
(B) east-west
(C) south-east
(D) north-west
(E) Answer not known

50. The _____ village resembles a bow.

(A) Vedika
(B) Hastaka
(C) Karmuka
(D) Padma
(E) Answer not known

51. Identify the port city in the following.

(A) Kaveripumpattinam
(B) Chengipattinam
(C) Madurapattinam
(D) Vanchipattinam
(E) Answer not known

52. The text Mayamatam deals with the

(A) art of town planning
(B) art of medicine
(C) art of civic rules
(D) art of administration
(E) Answer not known

53. He is credited to have spread the knowledge of Shilpa-Shastras and also known as the divine architect.

(A) Maya
(B) Vishvakarma
(C) Tvashtar
(D) Manu
(E) Answer not known

54. The Garden City concept of Urban Planning was the brainchild of _____

(A) Le Corbusier
(B) Patrick Geddes
(C) Ebenezer Howard
(D) Doxiadis
(E) Answer not known

55. Identify the following is not a traditional settlement plan

(A) SWASTIKA
(B) DANDAKA
(C) PADMAKA
(D) MAHRONDIKA
(E) Answer not known

56. The suitable method for constructing core wall in high-rise building is

(A) slip form method
(B) lift slab method
(C) large panel form
(D) hand-set forms
(E) Answer not known

57. In multistorey buildings, shear walls are designed to resist

(A) bending loads such as flexural stress

(B) vertical loads such as gravity induced forces

(C) horizontal loads such as wind loads

(D) shear forces from diagonal tension

(E) Answer not known

58. In estimation, no deduction is made in plastering for openings of area less than _____

(A) 0.1 m^2

(B) 0.01 m^2

(C) 0.5 m^2

(D) 1 m^2

(E) Answer not known

59. Rotary pump comes under which group?

(A) air lift pump

(B) displacement pump

(C) centrifugal pump

(D) miscellaneous pumps

(E) Answer not known

60. Which materials and products exemplify sustainability through their use in construction, including recyclable alternatives to concrete?

(A) eco-friendly building components
(B) sustainable construction materials
(C) green construction supplies
(D) environmentally-conscious construction elements
(E) Answer not known

61. How is materials handling typically managed in a high rise building during construction?

(A) using conveyor belts and automated systems
(B) using manual labour and wheel barrows
(C) using cranes and hoists
(D) using drones and robotic arms
(E) Answer not known

62. Equivalent static method may be used for a analysis of regards structures with approximate natural period T_a less than

(A) 0.4 s
(B) 0.6 s
(C) 0.8 s
(D) 0.9 s
(E) Answer not known

63. A sloping or stepped masonry projection from a tall wall to strengthen the wall against thrust of a roof is called

(A) pier

(B) buttress

(C) abutment

(D) flier

(E) Answer not known

64. How do specifications contribute to construction projects?

(A) by detailing the equipment and material required for construction

(B) by outlining and defining the scope of work and construction methods

(C) by providing a timeline and schedule for project completion

(D) by ensuring compliance with environmental regulations

(E) Answer not known

65. Retrofitting architecture means

(A) detailing technical aspects of air conditioning and lighting systems

(B) strengthening or making a building fit for new use or purpose

(C) improvised urban neighbourhood by renovation or reconstruction

(D) preserve original architectural character, integrity of heritage of historical buildings

(E) Answer not known

66. Match the List I with List II and select the correct answer given below :

List I	List II
(a) Deciduous	1. softwood
(b) Conifer	2. hardwood
(c) Endogenous	3. eucalyptus
(d) Exogenous	4. bamboo

	(a)	(b)	(c)	(d)
(A)	1	2	3	4
(B)	2	1	3	4
(C)	2	1	4	3
(D)	1	2	4	3

(E) Answer not known

67. The _____ in the paint makes it possible to spread them evenly on the surface.

(A) base
(B) drier
(C) vehicle
(D) pigment
(E) Answer not known

68. The paint prepared by dissolving asphalt in petroleum and used for painting structural steel under water is

(A) emulsion paint
(B) caesin paints
(C) cellulose paint
(D) bituminous paint
(E) Answer not known

69. A very thin and light weight structure can be made by _____

(A) RCC
(B) PCC
(C) PSC
(D) Ferro cement
(E) Answer not known

70. _____ stone, is got from igneous rocks.

(A) geneiss
(B) slate
(C) basalt
(D) shale
(E) Answer not known

71. The process of covering or killing all knots in the wood work with a substance through which the resin cannot come out is called as _____

(A) priming
(B) stopping
(C) under-coating
(D) knotting
(E) Answer not known

72. The rate of water absorption of a good stone should be

(A) less than 0.5%
(B) more than 0.5%
(C) less than 0.6%
(D) more than 0.6%
(E) Answer not known

73. The material which is passed through BIS test sieve no 480 is termed as

(A) fine aggregate
(B) coarse aggregate
(C) natural aggregate
(D) artificial aggregate
(E) Answer not known

74. How many no. of bricks can be used to replace one concrete blocks?

(A) 6 Nos.
(B) 7 Nos.
(C) 8 Nos.
(D) 9 Nos.
(E) Answer not known

75. _____ is not involved in the fabrication of glass.

(A) Blowing
(B) Silvering
(C) Casting
(D) Rolling
(E) Answer not known

76. _____ defect is formed due to improper sawing of timber.

(A) Chip Mark
(B) Diagonal Grain
(C) Torn Grain
(D) Wane
(E) Answer not known

77. In case of multi-storeyed framed structures, there is a need of joining the stanchions together after every two storey heights. This is accomplished by

(A) bearing plate
(B) gusset plate
(C) base plate
(D) splice plate
(E) Answer not known

78. The mix proportion of cement and sand for gunite is

(A) 1 : 2
(B) 1 : 3
(C) 1 : 4
(D) 1 : 6
(E) Answer not known

79. The term FINENESS MODULUS is used to indicate an index number which is roughly proportional to the average size of the particle in the entire quantity of _____

(A) Admixtures

(B) Aggregates

(C) Steel

(D) Cement

(E) Answer not known

80. Frog is provided in of the below

(i) 9 cm – high brick only

(ii) 4 cm high brick only

(iii) Extruded brick only

(A) (i) is correct

(B) (i) and (iii) is correct

(C) (ii) and (iii) is correct

(D) (i) and (ii) is correct

(E) Answer not known

81. Which of the following is not a property of an object in Auto CAD?

(A) line weight

(B) elevation

(C) measure

(D) line type

(E) Answer not known

82. The Glowing edges filter falls under which category of filter in photoshop?

(A) Stylize filter
(B) Render filter
(C) Texture filter
(D) Noise filter
(E) Answer not known

83. Match :

Function Key	Use in AutoCAD
(a) F9	1. Toggles polar tracking on/off
(b) F10	2. Toggles ortho on/off
(c) F8	3. Toggles grid on/off
(d) F7	4. Toggles snap on/off

	(a)	(b)	(c)	(d)
(A)	4	1	2	3
(B)	3	1	4	2
(C)	2	1	3	4
(D)	3	1	2	4

(E) Answer not known

84. The command which controls the default text style, in a given AutoCAD drawing is

(A) TEXT
(B) MTEXT
(C) DTEXT
(D) TXT
(E) Answer not known

85. Which mode allows the user to draw 90° straight lines in AutoCAD?

(A) osnap
(B) ortho
(C) linear
(D) polar tracking
(E) Answer not known

86. Translating an image into pixels is called _____

(A) Scanning
(B) Skimming
(C) Scriptisation
(D) Rasterization
(E) Answer not known

87. The famous building which is NOT designed by Architect Frank Lloyd Weight.

(A) Kautmann House, Pennsylvania
(B) Guggenheim Museum - New York
(C) The Robie house – Chicago
(D) Walt disney concert hall - California
(E) Answer not known

88. For stretching objects in AutoCAD, the objects should be selected by _____

(A) cross window selection method
(B) quick selection method
(C) window selection method
(D) all selection method
(E) Answer not known

89. The command aliases "IN" in AutoCAD denotes _____

(A) intersect
(B) insert
(C) intrude
(D) involve
(E) Answer not known

90. How can an existing building can be made barrier free without damaging the existing structure?

(A) installing new escalators and elevators to the building
(B) adding signages and access ramps to the building
(C) widening of doorways and corridors for wheel chair access
(D) adding addition floors for creating barrier free zone
(E) Answer not known

91. One of a continuous series of curves resembling segments of a circle, used for decorative element is called

(A) dado
(B) scant
(C) scallop
(D) scamillus
(E) Answer not known

92. In Ancient Greek theatre, the passage that separates stage from auditorium or cavea is known as

(A) parquet
(B) parodos
(C) modul
(D) erech
(E) Answer not known

93. Texture perspective refers to the _____ in the density of the texture of a surface as it recedes into the distance.

(A) gradual increase
(B) gradual decrease
(C) gradual increase and decrease
(D) immediate increase
(E) Answer not known

94. A colonnaded or arcaded space within the space of a building, but open to the air on one side is called

(A) vestibule
(B) apse
(C) palazzo
(D) loggia
(E) Answer not known

95. A linear organisation usually consists of _____ which are alike in size, form and function.

(A) rhythmic spaces
(B) interlocking spaces
(C) repetitive spaces
(D) triangular spaces
(E) Answer not known

96. A pagoda in Chinese Architecture is otherwise called as _____

(A) Ra
(B) Ta
(C) Pa
(D) Chi
(E) Answer not known

97. Gandhi Ashram Museum, Ahemadabad, India is an example for _____ organization.

(A) linear
(B) spiral
(C) grid
(D) fluid
(E) Answer not known

98. United d' habitation, Firminy-Vert, France is designed by

(A) Le Corbusier
(B) Charles Gwathmey
(C) Andrea Palladio
(D) F.L. Wright
(E) Answer not known

99. A continuous path that originates from a central point, revolves around it and becomes increasingly distant from it.

(A) spiral
(B) radial
(C) network
(D) linear
(E) Answer not known

100. A form can be made hierarchically dominated by all of the following except :

(A) exceptional size

(B) unique shape

(C) strategic placement

(D) repetition without variation

(E) Answer not known

101. Assertion and Reason type:

Assertion [A] : The Pantheon represents a major innovation in Roman Architectural space.

Reason [R]: No previous roman domed structure matched its scale and symbolic interior.

(A) Both [A] and [R] are true, and [R] is the correct explanation of [A]

(B) Both [A] and [R] are true, and [R] is not correct explanation of [A]

(C) [A] is true, but [R] is false

(D) [A] is false, but [R] is true

(E) Answer not known

102. The angle which an object or detail subtends at the point of observation is called

(A) visual angle

(B) acute angle

(C) eye angle

(D) obtuse angle

(E) Answer not known

103. Symmetry resulting from the balanced arrangement of similar parts on opposite sides of a median axis so that only one plane can divide the whole into essentially identical halves is known as

(A) radial symmetry
(B) bilateral symmetry
(C) uniformity
(D) repetional symmetry
(E) Answer not known

104. Colour affects the _____ of a form.

(A) visual length
(B) visual weight
(C) visual depth
(D) visual breadth
(E) Answer not known

105. Movement characterized by a patterned repetition of formal elements or motifs in the same form

(A) movement
(B) repetition
(C) rhythm
(D) pattern
(E) Answer not known

106. The tender of a particular contractor is accepted, the contractor is asked to deposit an amount with the architect, in the range of _____ of the estimated cost of project as security deposit.

(A) 0.1 to 0.5 percent
(B) 10 to 12 percent
(C) 2 to 5 percent
(D) 7 to 8 percent
(E) Answer not known

107. _____ is the phase involves selecting and specifying materials and finishes for the contractor project.

(A) Documentation
(B) Design proposal
(C) Execution (construction phase)
(D) Conceptualization
(E) Answer not known

108. Identify the excluded functions and powers of Council of Architecture from the list.

(A) with regards to the architecture profession
(B) with regard to architecture education
(C) with regard to construction industry
(D) with regard to architectural competitions
(E) Answer not known

109. If the architectural firm is required to verify and certify the bills of the contractors, additional fee of _____ percent shall be payable.

(A) 0.5%
(B) 1.0%
(C) 1.5%
(D) 2.0%
(E) Answer not known

110. Architect's comprehensive services include's _____

(A) preparation of design brief based
(B) site evaluation consisting impact study of existing and proposed development
(C) periodical inspection of site
(D) construction management
(E) Answer not known

111. In architectural competitions, the promoters can have their own assessors on the panel, which is not more than _____.

(A) one
(B) two
(C) three
(D) four
(E) Answer not known

112. The organization which had established the code of ethics and professional conduct for architects in India.

(A) Indian Institute of Architects

(B) Council of Architecture (CoA)

(C) American Institute of Architects

(D) National Society of Professionals

(E) Answer not known

113. Floor Space Index or Floor Area ratio is the quotient obtained by dividing the total built up area by the _____

(A) plinth area

(B) carpet area

(C) super built up area

(D) plot area

(E) Answer not known

114. _____ is caused by changes external to the property such as neighbourhood infiltrations of inharmonious groups or property use.

(A) functional obsolescence

(B) economic obsolescence

(C) social obsolescence

(D) physical obsolescence

(E) Answer not known

115. The maximum inclination for moving walks for use by people with disabilities as per NBC standards is

(A) 4°
(B) 6°
(C) 8°
(D) 10°
(E) Answer not known

116. Expansion of "BREEAM".

(A) Building Record Establishment Energy Audit Method
(B) Building Research Environment Energy Audit Method
(C) Building Research Establishment Environmental Assessment Method
(D) Building Research Energy Environment Assessment Method
(E) Answer not known

117. _____ is the transfer of heat energy by electromagnetic waves.

(A) Thermal conduction
(B) Heat convection
(C) Thermal radiation
(D) Thermal emmitance
(E) Answer not known

118. The average energy consumption of a desktop computer per year is

(A) 80 Kwh/year

(B) 127.3 Kwh/year

(C) 52.2 Kwh/year

(D) 95 Kwh/year

(E) Answer not known

119. Which type of climate requires the usage of building materials with high heat storage capacity and high day and night time, temperature difference?

(A) warm and humid zones

(B) cold climate

(C) hot and dry zones

(D) tropical upland climate

(E) Answer not known

120. Bodily heat loss to the air by convection or conduction is negligible in

(A) warm–humid climate

(B) hot and dry climate

(C) composite climate

(D) polar climate

(E) Answer not known

121. _____ external surfaces will reflect a large part of the incident solar radiation.

(A) light coloured or shiny
(B) matt finished and light coloured
(C) dark coloured and shiny
(D) dark coloured and matt finished
(E) Answer not known

122. For the reduction of solar heat gain through windows, which of the following variables are 'NOT' within the control of the designer.

(A) orientation and window size
(B) internal blinds and curtains
(C) shading devices
(D) solar azimuth and altitude angles
(E) Answer not known

123. _____ or windcatcher is an Egyptian Vernacular archetypal logical device that traps the wind into the building in order to ensure natural ventilation in the buildings.

(A) Malqaf
(B) Brise soleil
(C) Solarium
(D) Trombe wall
(E) Answer not known

124. Identify which is NOT the design strategy of hot dry climate.

(A) close group of buildings
(B) open elongated plan
(C) narrow roads and streets
(D) small enclosed courtyards
(E) Answer not known

125. Both the buildings and outdoor living spaces need to be protected as much as possible in

(A) warm humid climates
(B) tropical climate
(C) hot – dry climates
(D) composite climate
(E) Answer not known

126. At the crest, air speeds are

(A) insignificant
(B) weak
(C) moderate
(D) greatest
(E) Answer not known

127. The concentric circles in a solar chart represents _____ angle.

(A) altitude
(B) azimuth
(C) horizontal shadow
(D) vertical shadow
(E) Answer not known

128. _____ is a form of energy, appearing as molecular movement in substances or as 'radiant heat' a certain wavelength band of electromagnetic radiation in space.

(A) heat
(B) specific heat
(C) latent heat
(D) thermal capacity
(E) Answer not known

129. The heat transfer co-efficient 'h' is expressed as

(A) $h = \Delta Q / A \times \Delta T \times t$
(B) $h = \Delta Q\ (A - t)\ \Delta T$
(C) $h = \Delta QA / \Delta T \times K \times t$
(D) $h = \Delta Q / (A - K)\Delta T$
(E) Answer not known

130. This climate is characterised by a low diurnal temperature range, high humidity and high temperature.

(A) warm humid climate
(B) hot dry climate
(C) cold climate
(D) composite climate
(E) Answer not known

131. Traditional Malay Houses are generally raised on bamboo stilts _____.

(A) to facilitate ventilation avoid flooding
(B) to avoid ventilation
(C) because of poor soil conditions
(D) because of rocky foundation
(E) Answer not known

132. The deep body temperature must remain balanced and constant around.

(A) 37°C
(B) 30°C
(C) 25°C
(D) 40°C
(E) Answer not known

133. _____ system is a type of cladding that preheats fresh air before allowing it into a building.

(A) the solar wall system
(B) the trombe wall system
(C) the parietodynamic wall system
(D) the heat capture wall system
(E) Answer not known

134. The human body produces heat, requiring a stable internal temperature between

(A) 26.5°C and 27°C
(B) 28.5°C and 30°C
(C) 36.5°C and 37°C
(D) 22°C and 24.5°C
(E) Answer not known

135. The variation of spectral energy distribution with altitude is primarily due to

(A) earth's elliptical orbit
(B) atmospheric filtering and absorption
(C) solar flares
(D) gravitational pull of the sun
(E) Answer not known

136. _____ refers to upgrade to modern standards while recognizing and retaining historical character.

(A) conservation
(B) rehabilitation
(C) restoration
(D) reconstruction
(E) Answer not known

137. The term 'ASI' means

(A) Architectural Society of India
(B) Archaeological Society of India
(C) Archaeological Survey of India
(D) Architectural Survey of India
(E) Answer not known

138. This type of house is common in all hot dry climatic areas and it is introverted in planning and ensures maximum plot coverage.

(A) courtyard/patio type
(B) row house type
(C) apartment house
(D) semi-detached house
(E) Answer not known

139. The term "INTACH" means

(A) Indian National Trust for Art and Cultural Heritage

(B) Indian National Trust for Architecture and Cultural Heritage

(C) Indo Neutral Trust for Art, Cultural Heritage

(D) Indo National Treaty for Art, Culture and Heritage

(E) Answer not known

140. The measurement of an induced magnetic field to locate magnetic features buried with non-magnetic materials is

(A) magnetometry

(B) inductometry

(C) thermography

(D) ironization

(E) Answer not known

141. When is the Ancient Monuments and Archaeological sites and Remains Act (AMSAR Act) was enacted?

(A) 1904

(B) 1947

(C) 1958

(D) 1972

(E) Answer not known

142. The principles of SUPER BLOCK adopted in Chandigarh city layout helps in segregation of _____

(A) vehicular and pedestrian traffic

(B) automotive and pedestrian traffic

(C) administrative and cultural centre

(D) government buildings and public buildings

(E) Answer not known

143. The total rural housing shortage during 2012-2017 is estimated by the 'working group on rural housing' as _____

(A) 24.7 million

(B) 26.53 million

(C) 43.67 million

(D) 46.4 million

(E) Answer not known

144. Identify the social factor from the following which is responsible for the deterioration of heritage buildings.

(A) biological factors

(B) moisture

(C) vibration

(D) fire

(E) Answer not known

145. The concept of a metropolis formed by self-sufficient "Urban villages" is criticized because _____

(A) encourage cycling and walking
(B) fragments the labour market
(C) reduces commuting time
(D) promotes compact growth
(E) Answer not known

146. The Chandigarh city was designed by

(A) Jane Drewberry
(B) Sigmund Ferry
(C) Le Corbusier
(D) CA Perry
(E) Answer not known

147. _____ is an economic disease caused by uncertainties about likely restrictions on the future developments.

(A) planning blight
(B) planning tight
(C) planning sight
(D) planning straight
(E) Answer not known

148. "Expandable Dwelling" is also called as

(A) core houses
(B) apartments
(C) row house
(D) semi-detached house
(E) Answer not known

149. A steep headland, promontory, river bank or cliff is called

(A) berm
(B) border
(C) bluff
(D) puff
(E) Answer not known

150. Identify the material which is scoring less in terms of sustainable practices.

(A) Compressed soil Blocks
(B) Wattle and Daub
(C) Rammed earth construction
(D) Burnt clay brick
(E) Answer not known

151. In a plotted housing, the land ownership belongs to an individual whereas in group housing, the land belongs to the

(A) neighbourhood
(B) community
(C) society
(D) government
(E) Answer not known

152. The minimum length of a continuous stretch of waterway to be declared as a national waterway as per URDPFI guidelines is _____

(A) 20 km
(B) 30 km
(C) 40 km
(D) 50 km
(E) Answer not known

153. _____ square is considered to be unorganized, having no specific shape and not representing any artistic qualities.

(A) ameboic
(B) amorphous
(C) mercural
(D) natural
(E) Answer not known

154. The water requirement per seat in a restaurants as per URDPFI guidelines is _____

(A) 45 l/head/day
(B) 55 l/head/day
(C) 70 l/head/day
(D) 80 l/head/day
(E) Answer not known

155. The term "Anthropocosmos" concept/model describes

(A) total world of man
(B) total cosmos of universe
(C) total culture of man
(D) cultural traits
(E) Answer not known

156. _____ is the approach to design urban places and infrastructure within the environmental context of the region.

(A) Bioregionalism
(B) Bioplanning
(C) Ecoregionalism
(D) Naturalism
(E) Answer not known

157. According to Kevin Lynch _____ are the relatively large city areas which the observer can mentally go inside of, and which have some common characteristics.

(A) zoning
(B) districts
(C) residential zones
(D) parks
(E) Answer not known

158. In preparation of development plan for metropolitian cities (population above 3 lakhs), the peri-Urban area is generally consider as :

(A) 1 – 3 km around the city

(B) 3 – 5 km around the city

(C) 5 – 8 km around the existing city limits

(D) 10 – 15 km around the city

(E) Answer not known

159. The management of the urban environment key parts are

(A) transport, regeneration, conservation and maintenance

(B) design, develop, construct and deliver

(C) methods, design, use and recycle

(D) produce, reduce, reuse and recycle

(E) Answer not known

160. A vast urban area with little or no articulation is called

(A) node

(B) sheet

(C) locale

(D) idle

(E) Answer not known

161. "NBC" in building rules, regulation and legal framework is meant as _____

(A) Native Building Congress
(B) National Building Code
(C) National Building Committee
(D) National Building Council
(E) Answer not known

162. A landscape that requires little or no irrigation or maintenance is known as

(A) Hardscape
(B) Topiary
(C) Xeriscape
(D) Kare Sansui
(E) Answer not known

163. For Institutional buildings, the open spaces around the building shall not be less than _____

(A) 5.5 m
(B) 6.0 m
(C) 6.5 m
(D) 7.0 m
(E) Answer not known

164. Which is not correct about aerosol chemical gas fire extinguishing?

(A) Developed from solid rocket fuel technology

(B) Is an active non-toxic solid that can be activated by heat to release gas

(C) Aerosol prevents fresh oxygen reaching the combustion zone

(D) Aerosol is a fast – acting explosive response

(E) Answer not known

165. The type of detector that are best suited for areas within a building where fire can be anticipated, with a large column of smoke.

(A) automatic fire detection

(B) smoke detector

(C) heat detector

(D) fire alarms

(E) Answer not known

166. The sound generated and transmitted in air directly to human ears are known as

(A) air-borne sound

(B) air-suspension sound

(C) air-through sound

(D) air-made sound

(E) Answer not known

167. The most commonly Preferred choice of material for sheathing and insulation in electrical wiring is

(A) Glass-wool
(B) Lead
(C) PVC
(D) Mineral insulation and copper sheathing
(E) Answer not known

168. What does VRV mean?

(A) Variable Refrigerant Volume
(B) Volume Refrigerated Value
(C) Variable Refrigerant Value
(D) Valid Refrigerant Valence
(E) Answer not known

169. The Red or Brown wire in the Indian system indicates

(A) grounding wire
(B) neutral wire
(C) live wire
(D) earthing wire
(E) Answer not known

170. The parameter that is not considered while calculating the size and number of passenger lifts in a building.

(A) No. of floors to be served
(B) Waiting time of passengers
(C) Passenger handling capacity during peak time
(D) Non peak demand
(E) Answer not known

171. _____ is a process where moisture is added to the heated air.

(A) humidification
(B) dehumidification
(C) moisturification
(D) air mananging
(E) Answer not known

172. Which is incorrect about escalators?

(A) run continuously
(B) reversible in flow direction
(C) required electrical drive
(D) stop and start frequently to save energy
(E) Answer not known

173. Where are MCBs always installed?

(A) live phase cable
(B) neutral wire
(C) earth conductor
(D) external to the building
(E) Answer not known

174. Utility companies transmit electrical power at high voltage to _____

(A) maximize voltage
(B) minimize voltage drop
(C) minimize current drop
(D) minimize resistance
(E) Answer not known

175. _____ is an architecture program that include detailing of technical aspects of building design and services, such as air conditioning and lighting systems, space planning etc.

(A) Retrofitting architecture
(B) Architectural conservation
(C) Interior architecture
(D) Landscape architecture
(E) Answer not known

176. The important factor that helps a designer to arrive at the maximum possible load for air conditioning a building is

(A) load diversity factor
(B) variable refrigerant volume
(C) variable frequency drive
(D) vapour transmission rate
(E) Answer not known

177. Assertion [A] : In dwellings without individual conveniences, one water closet and one bath are required for every two tenements.

Reason [R] : Shared facilities are allowed to meet minimum sanitary standards.

(A) Both [A] and [R] are true and [R] is the correct explanation of [A]

(B) Both [A] and [R] are true and [R] is not correct explanation of [A]

(C) [A] is true [R] is false

(D) [A] is false [R] is true

(E) Answer not known

178. Which sanitary fitting is used to prevent the entry of foul sewer and drain gases into the houses?

(A) taps

(B) traps

(C) cocks

(D) cubicles

(E) Answer not known

179. Non-biodegradable wastes consist of

(A) inorganic and recyclable materials

(B) organic matter

(C) microorganisms

(D) inorganic and non-recyclable materials

(E) Answer not known

180. A component of the waste is recovered for use in a manner different from its original use _____

(A) reuse

(B) reclamation

(C) recycling

(D) reagglociation

(E) Answer not known

181. The architectural pattern with the use of exposed brickwork, arch and circular openings was popularized by _____ in the I.I.M., Ahmedabad.

(A) Louis I Kahn

(B) Uttam C Jain

(C) Achyut Kanvinde

(D) Le Corbusier

(E) Answer not known

182. Identify the Architect who had schooled the local peasantry in Nubian techniques of earth construction using mud-brick walls, vaults and domes for his experimentation at New Gourna village at Luxor.

(A) Paul Oliver

(B) Laurie Baker

(C) Hassan Fathy

(D) Geoffrey Bawa

(E) Answer not known

183. Which building by Achyut Kanvinde was influenced by Le Corbusiers style?

(A) I.I.T, Kanpur Campus
(B) Doodhsagar Dairy Complex, Gujarat
(C) National Science Centre, New Delhi
(D) Harivallabhdas House
(E) Answer not known

184. Shri B.V. Doshi explored the use of vaults breaking away from the influence of the vernacular and the modern masters in _____

(A) I.I.M., Bangalore
(B) Sangath (Architects Own Office), Ahmedabad
(C) Tagore Memorial Hall, Ahmedabad
(D) Aranya township, Indore
(E) Answer not known

185. Which of the following buildings was designed by B.V. Doshi?

(A) Parekh house, Ahmedabad
(B) Shri Ram Centre, New Delhi
(C) Regional Office of Central Bank of India, Ahmedabad
(D) Municipal Transport Service Bus Stand, Ahmedabad
(E) Answer not known

186. Le Corburier developed the _____ which is a vertical neighbourhood.

(A) Radburn city
(B) Unité d'habitation
(C) La Cité industrielle
(D) Las Colinas
(E) Answer not known

187. The distinctive shape of 30 St. Mary Axe building (previously known as Swiss Re Building) is commonly referred to as

(A) The rocket
(B) The onion
(C) The gherkin
(D) The bullet
(E) Answer not known

188. The architect associated with regionalism on the outskirts of Milan is

(A) Robert Venturi
(B) Aldo Rossi
(C) Peter Eisenman
(D) Helmet Jahn
(E) Answer not known

189. In Orissan Temples the Bhog Mandir is also called as

(A) Nat Mandir
(B) Hall of offerings
(C) Sri Mandir
(D) Dancing hall
(E) Answer not known

190. The "phase of transition" between the square bay below and the circular base of the dome above in the Islamic style was achieved by the _____

(A) pendentives
(B) squinch system
(C) cross-lintels
(D) corbels
(E) Answer not known

191. In which of the following monuments, Pietra Dura, the inlay technique of creating images was used?

(A) Taj Mahal
(B) India Gate
(C) Char Minar
(D) Gateway of India
(E) Answer not known

192. The bulbous dome with a constricted base as seen first in the Islamic style of Deccan in India is the _____ dome.

(A) hemispherical
(B) tartar
(C) pointed
(D) keel-type
(E) Answer not known

193. In Fatehpur Sikri the central pillar with mushroom – shape brackets in the double – height hall primarily symbolizes :

(A) Structural experimentation in stone
(B) The emperor as the central unifying authority
(C) Persian architecture influence
(D) Temple architecture adaptation
(E) Answer not known

194. The height of pyramid of Khufu at Gizeh is

(A) 138 m
(B) 146 m
(C) 240 m
(D) 198.6 m
(E) Answer not known

195. A rectangular column projecting slightly from a wall is called _____

(A) Pier
(B) Loggia
(C) Oriel
(D) Pilaster
(E) Answer not known

196. The term "potamos" in Greek means

(A) Potato
(B) River
(C) Valley
(D) Civilization
(E) Answer not known

197. The shore temple at Mahabalipuram was built in the reign of the Pallavan King _____

(A) Narasimhavarma
(B) Mahendravarma
(C) Raja Simha
(D) Nandivarma
(E) Answer not known

198. The Vestibule or the intermediate chamber in front of the Sanctuary is called the _____ in a Hindu temple.

(A) Antarala
(B) Sikhara
(C) Mandapa
(D) Asana
(E) Answer not known

199. One outstanding example of a Roman Amphitheatre is

(A) Forum Romanum
(B) Theatre Epidaurus
(C) Domus Aurea, Rome
(D) Colosseum, Rome
(E) Answer not known

200. The columnar order developed by Etruscans is called _____

(A) Doric
(B) Composite
(C) Tuscan
(D) Caracass
(E) Answer not known