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# TNPSC CES

**Previous Year Paper  
(Town Planning) Paper-I  
27 May, 2023**



|                        |
|------------------------|
| Question Booklet No. : |
|                        |

CESTCP/2023

Register  
Number

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2023  
Paper – I  
TOWN AND COUNTRY PLANNING  
(Post Diploma Standard)

Duration : Three Hours]

[Total Marks : 300

Read the following instructions carefully before you begin to answer the questions.

IMPORTANT INSTRUCTIONS

1. You will be supplied with this question booklet 15 minutes prior to the commencement of the examination.
2. This question booklet contains 200 questions. Before answering the questions, you shall check whether all the questions are printed serially and ensure that there are no blank pages in the question booklet. If any defect is noticed in the question booklet, it shall be reported to the invigilator within the first 10 minutes and get it replaced with a complete question booklet. If the defect is reported after the commencement of the examination, it will not be replaced.
3. Answer all the questions. All the questions carry equal marks.
4. You must write your register number in the space provided on the top right side of this page. Do not write anything else on the question booklet.
5. An answer sheet will be supplied to you separately by the room invigilator to shade the answers. Instructions regarding filling of answers etc., which are to be followed mandatorily, are provided in the answer sheet and in the memorandum of admission (Hall Ticket).
6. You shall write and shade your question booklet number in the space provided on page one of the answer sheet with **BLACK INK BALL POINT PEN**. If you do not shade correctly or fail to shade the question booklet number, your answer sheet will be invalidated.
7. Each question comprises of five responses (answers) : i.e. (A), (B), (C), (D) and (E). You have to select **ONLY ONE** correct answer from (A) or (B) or (C) or (D) and shade the same in your answer sheet. If you feel that there are more than one correct answer, shade the one which you consider the best. **If you do not know the answer, you have to mandatorily shade (E)**. In any case, choose **ONLY ONE** answer for each question. If you shade more than one answer for a question, it will be treated as a wrong answer even if one of the given answers happens to be correct.
8. You should not remove or tear off any sheet from this question booklet. You are not allowed to take this question booklet and the answer sheet out of the examination room during the time of the examination. After the examination, you must hand over your answer sheet to the invigilator. You are allowed to take the question booklet with you only after the examination is over.
9. You should not make any marking in the question booklet except in the sheets before the last page of the question booklet, which can be used for rough work. This should be strictly adhered to.
10. Failure to comply with any of the above instructions will render you liable for such action as the Commission may decide at their discretion.

SEAL

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1. Two stations of a road are decided and the fluctuations in speeds of vehicles between these two stations are recorded and such a survey is called as
- (A) Spot speed survey (B) Parking survey  
☒ (C) Speed and delay survey (D) Traffic volume survey  
(E) Answer not known
2. In Railways, for steeper gradients and sharper curves, \_\_\_\_\_ gauge is preferred.
- (A) Broad gauge (B) Metre gauge  
☒ (C) Narrow gauge (D) End gauge  
(E) Answer not known
3. Chennai port is classified as \_\_\_\_\_ port.
- (A) Minor ☒ (B) Major  
(C) Intermediate (D) Free  
(E) Answer not known
4. The reception signal is
- ☒ (A) Outer signal (B) Home signal  
(C) Starter (D) Advanced starter  
(E) Answer not known
5. Taxiway marking are \_\_\_\_\_ in colour.
- ☒ (A) Yellow (B) Red  
(C) Black (D) Green  
(E) Answer not known

6. IRC has recommended minimum parking space for cars as \_\_\_\_\_ when parking is done in lots for community parking.
- (A)  $3\text{m} \times 6\text{m}$  (B)  $2.5\text{m} \times 5\text{m}$   
(C)  $3.75\text{m} \times 7.6\text{m}$  (D)  $30\text{m} \times 2.5\text{m}$   
(E) Answer not known
7. Traffic signs should be painted in colors as given in
- (A) IRC 65 (B) IRC 66  
(C) IRC 67 (D) IRC 68  
(E) Answer not known
8. The width of pavement is widened at the intersection which is known as
- (A) Flared intersection (B) Channelized intersection  
(C) Roundabout (D) Rotary  
(E) Answer not known
9. The most efficient Traffic signal system is
- (A) Simultaneous system (B) Alternate system  
(C) Flexible progressive system (D) Simple progressive system  
(E) Answer not known
10. Which of the following is indicated by a Warning Sign?
- (A) Level crossing (B) No parking  
(C) End of speed limit (D) Overtaking prohibited  
(E) Answer not known

11. Match the following :

- |                |                                             |
|----------------|---------------------------------------------|
| (a) Standard   | 1. Refers to a fixed on an established rule |
| (b) Norm       | 2. Authoritative standard                   |
| (c) Regulation | 3. Order prescribed                         |
|                | 4. The rule of state on community           |

- |                                      | (a)              | (b) | (c) |
|--------------------------------------|------------------|-----|-----|
| <input checked="" type="radio"/> (A) | 1                | 2   | 3   |
| (B)                                  | 1                | 2   | 4   |
| (C)                                  | 2                | 1   | 3   |
| (D)                                  | 3                | 2   | 1   |
| (E)                                  | Answer not known |     |     |

12. Identify the contents of the zonal development plan from the following :

- |                                                         |                      |
|---------------------------------------------------------|----------------------|
| (a) Neighbourhood parks                                 |                      |
| (b) Community centre's                                  |                      |
| (c) Zoning Regulations                                  |                      |
| (d) Major internal roads and services                   |                      |
| <input checked="" type="radio"/> (A) (a), (b), (c), (d) | (B) (a), (b) and (d) |
| (C) (b), (c) and (d)                                    | (D) (a), (b) and (c) |
| (E) Answer not known                                    |                      |

13. What is the size of the sector of the Gandhi Nagar Capital Town?

- ☒ (A) 0.75 km × 1.00 km
- (B) 0.8 km × 1.2 km
- (C) 0.6 km × 1.00 km
- (D) 0.4 km × 0.8 km
- (E) Answer not known

14. After Independence, which state Government brought the first legislation to protect more than 600 buildings and precincts and declaring them as Heritage buildings and precincts by including them in the Development control rules.
- ☒ (A) Govt of Maharashtra
  - (B) Govt of Tamil Nadu
  - (C) Govt of West Bengal
  - (D) Govt of Andhra Pradesh
  - (E) Answer not known
15. National Housing Bank has started its operations from the year \_\_\_\_\_ ?
- ☒ (A) 1988
  - (B) 1998
  - (C) 1994
  - (D) 1992
  - (E) Answer not known
16. The critical stage of urban obsolescence is termed as:
- (A) Decay
  - (B) Slum
  - ☒ (C) Blight
  - (D) Over Crowding
  - (E) Answer not known
17. The Land use zones adopted in the Chennai master plan sums upto:
- (A) 8 zones
  - (B) 12 zones
  - (C) 9 zones
  - ☒ (D) 10 zones
  - (E) Answer not known

18. The concept of growth points originated in 1950's is the work of  
☒ (A) Francis Perrone (B) Darwent  
(C) Christaller (D) Faludi  
(E) Answer not known
19. Identify the hierarchy of planning regions from lowest to the highest.  
(a) Micro  
(b) Macro  
(c) Meso  
(d) Nano  
☒ (A) (a), (c), (b)  
(B) (d), (a), (c), (b)  
(C) (b), (c), (a)  
(D) (a), (b), (c)  
(E) Answer not known
20. The difference in the terms growth pole and growth centre/point is associated mainly with:  
(A) Resource ☒ (B) Location  
(C) Land use (D) Services  
(E) Answer not known
21. The ultimate goal of regional plans is to develop the National  
☒ (A) Economic plan  
(B) Transportation plan  
(C) Housing plan  
(D) Infrastructure plan  
(E) Answer not known

22. For what purpose select object button is used?

- ☒ (A) For selecting the object
- (B) For drawing purpose
- (C) For erasing purpose
- (D) For hiding purpose
- (E) Answer not known

23. Bulk of computations in surveying now are done using

- ☒ (A) Software
- (B) Hardware
- (C) Both (a) and (b)
- (D) None of above
- (E) Answer not known

24. A \_\_\_\_\_ tells a program what kind of data is contained in a file and how the data is organized.

- ☒ (A) File formats
- (B) Utility
- (C) Document
- (D) Vector
- (E) Answer not known

25. A \_\_\_\_\_ program's drawings are often used as the basis for construction document

- ☒ (A) CAD
- (B) Paint
- (C) Draw
- (D) File
- (E) Answer not known

26. Which one of the following is not a kind of central tendency?
- (A) Median (B) Mode  
(C) Mean ☒ (D) Deviation  
(E) Answer not known
27. If  $X_1, X_2, X_3, \dots, X_n$  refers to the various values in the observations and 'N' is the number of observations, Harmonic mean is equal to
- (A)  $\frac{\sum X}{N}$  ☒ (B)  $\frac{N}{\sum 1/X}$   
(C)  $\frac{N}{\sum X}$  (D)  $\sum X \times N$   
(E) Answer not known
28. The Census records of a city shows the present population as 60,000. The average increase per decade for the last 4 decades in 2000. The probable population after 3 decades by arithmetical method is
- (A) 62,000 (B) 64,000  
☒ (C) 66,000 (D) 60,000  
(E) Answer not known
29. In a two dimensional diagram:
- (A) Only height is considered  
(B) Only width is considered  
(C) Height, width and thickness are considered  
☒ (D) Both height and width are considered  
(E) Answer not known

30. Sum of the deviations of the items is zero from the measure

- ☒ (A) Mean (B) Geometric mean  
(C) Median (D) Mode  
(E) Answer not known

31. Similar nature of samples selected is known as

- ☒ (A) Homogeneity  
(B) Heterogeneity  
(C) Representative  
(D) Not representative  
(E) Answer not known

32. The population change can occur only in the following ways

(1) By births (2) By deaths (3) Migration

Which is/are correct in the above choices?

- ☒ (A) (1), (2), (3) (B) (1), (2)  
(C) (2), (3) (D) (1), (3)  
(E) Answer not known

33. Which method of population forecasting gives much higher value and mostly applicable for growing towns and cities having vast scope for expansion?

- (A) Arithmetic increase method  
(B) Incremental increase method  
☒ (C) Geometric increase method  
(D) Logistic method  
(E) Answer not known

34. Controlling the density of population in residential areas by suitable rules and regulations is known as
- (A) Density mapping                      ✓(B) Density zoning  
(C) Use zoning                              (D) Height zoning  
(E) Answer not known
35. The abbreviation of CIDCO is
- (A) Central Infrastructure Development Corporation  
(B) City Investment Development Corporation  
(C) Central Integrated Development Corporation  
✓(D) City and Industrial Development Corporation  
(E) Answer not known
36. Air plane rule is the procedure followed in
- ✓(A) Height zoning                      (B) Use zoning  
(C) Density zoning                      (D) Mapping  
(E) Answer not known
37. A balance in economy and social well-being of a community is achieved by proper
- (A) Architecture  
✓(B) Town planning  
(C) Traffic planning  
(D) Infrastructure planning  
(E) Answer not known

38. The percentage of zone allocation for residential zones are about
- (A) 2% to 5% (B) 5% to 10%  
(C) 20% to 30% ☒ (D) 40% to 50%  
(E) Answer not known
39. The fear of panic in case of emergency such as fire or earthquake is obvious in
- (A) Detached houses ☒ (B) Sky scrapers  
(C) Semi-detached houses (D) Row houses  
(E) Answer not known
40. On the basis of population, the population of class I town as per census, is
- (A) 50,000 to 1,00,000 ☒ (B) 1 lakh and over  
(C) More than 3 lakh (D) 50 lakh and above  
(E) Answer not known
41. Cars are generally grouped in the category of
- (A) Public Vehicles ☒ (B) Private Vehicles  
(C) Green Vehicles (D) Good Vehicles  
(E) Answer not known
42. A meeting place for the population as a whole is termed as a
- (A) Auditorium ☒ (B) Town centre  
(C) Park (D) Playground  
(E) Answer not known

43. An endlap of at least \_\_\_\_\_ percent is essential for total stereoscopic coverage of a project area.
- (A) 10 (B) 20  
(C) 40 ☒ (D) 50  
(E) Answer not known
44. Satellite imagery cartosat-2 PAN data spatial resolution is
- (A) 0.5 m (B) 0.75 m  
☒ (C) 1.00 m (D) 1.25 m  
(E) Answer not known
45. A camera equipped with a 152 mm focal-length lens is used to take a vertical photograph from a flying height of 2780 m above mean sea level. If the terrain is flat and located at an elevation of 500 m, what is the scale of the photograph?
- (A) 1 : 5,000 (B) 1 : 10,000  
☒ (C) 1 : 15,000 (D) 1 : 20,000  
(E) Answer not known
46. A set of characteristics by which a material or an object may be identified on any satellite image or photograph within the given range of wave lengths is termed as
- (A) Spectral radiance  
(B) Spectral resolution  
☒ (C) Spectral signature  
(D) Spectral feature  
(E) Answer not known

47. The prime meridian runs through
- (A) England ☒ (B) Greenwich  
(C) New York (D) Karachi  
(E) Answer not known
48. If the scale is reduced in Aerial photograph, the area of coverage is
- (A) Decreased ☒ (B) Increased  
(C) Same (D) Very less  
(E) Answer not known
49. The line traced on the ground directly beneath the aircraft during acquisition of photography is called
- ☒ (A) Nadir line (B) Flight line  
(C) Datum line (D) Contour line  
(E) Answer not known
50. Which vegetation factors shows high returns reflection characteristics and light tones of conal range in visual interpretation?
- (A) Trees (B) Bush  
☒ (C) Woods and forests (D) Natural grass  
(E) Answer not known
51. Information regarding area of interest for aerial photography, its scale and cost rates can be obtained from
- ☒ (A) Surveyor General Office, Dehradun  
(B) Public Works Department  
(C) Central Public Works Department  
(D) Civil Aviation Department  
(E) Answer not known

52. As per NBC norms, Zoological garden to be as per \_\_\_\_\_ Authority provisions.
- (A) Central Botanical Garden
  - ☒ (B) Central Zoo
  - (C) Central Urban Parks
  - (D) Central Building
  - (E) Answer not known
53. The term used to mean wide tree-lined avenues in a town is
- (A) Freeway
  - ☒ (B) Boulevard
  - (C) Landscape
  - (D) Parkway
  - (E) Answer not known
54. As per URDPFI guidelines, open spaces provision of \_\_\_\_\_ per person is desirable.
- (A) 5 – 6 sqm
  - ☒ (B) 10 – 12 sqm
  - (C) 6 – 8 sqm
  - (D) 15 – 17 sqm
  - (E) Answer not known
55. As per NBC norms, the requirement for botanical garden for hilly areas under organized green spaces is \_\_\_\_\_ for every town.
- ☒ (A) One
  - (B) Two
  - (C) Three
  - (D) Five
  - (E) Answer not known
56. As per NBC norms, any building line to be at least \_\_\_\_\_ away from the boundary of recreational open space.
- (A) 1 m
  - ☒ (B) 3 m
  - (C) 2 m
  - (D) 4 m
  - (E) Answer not known

57. As per NBC norms, in any layout or sub-division of land measuring \_\_\_\_\_ Ha or more in residential and commercial zones, the community open space shall be reserved for recreational purposes.
- (A) 0.1 (B) 0.2  
☒ (C) 0.3 (D) 0.5  
(E) Answer not known
58. To Design the park its comprising the purposes of
- (A) Landscape  
(B) Arboriculture  
(C) Horticulture  
☒ (D) All of above  
(E) Answer not known
59. Identify the park systems from the following
- (a) Belt or ring system  
(b) Wedge or radial system  
(c) Combination of belt and wedge system  
☒ (A) (a), (b) and (c) (B) (a)  
(C) (b) (D) (a) and (b)  
(E) Answer not known
60. Playground which furnish opportunities for the physical growth of body by actively engaging muscles in various games comes under which type of Recreation?
- ☒ (A) Active (B) Passive  
(C) Both (D) Inclusive  
(E) Answer not known

61. To walk from one end of the plan to another, at a uniform pace, will provide a sequence of revelations which are suggested in the serial drawings is called
- ☒ (A) Serial vision (B) Viscosity  
(C) Possession in movement (D) Enclaves  
(E) Answer not known
62. Fatehpur sikri, the palace complex of Akbar the great Mogul Emperor is an example of \_\_\_\_\_.
- ☒ (A) Clustered Organization  
(B) Linear Organization  
(C) Centralized Organization  
(D) Radial Organization  
(E) Answer not known
63. Spaces which are grouped by proximity or the sharing of a common visual trait or relationship is called
- ☒ (A) Clustered Organization  
(B) Linear Organization  
(C) Radial Organization  
(D) Centralized Organization  
(E) Answer not known
64. Ratio between two or more elements within a composition is called as
- (A) Scale (B) Prototype  
(C) Harmony ☒ (D) Proportion  
(E) Answer not known

65. What is the name of the point in a composition where the centre of lies attraction?
- (A) Rhythm ~~(B) Focus~~  
(C) Form (D) Harmony  
(E) Answer not known
66. A Balanced arrangement of similar or equivalent elements on opposite sides of a median axis so that only one plane can divide the whole into essentially identical halves are called?
- ~~(A)~~ Bilateral symmetry  
(B) Radial symmetry  
(C) Datum  
(D) Transformation  
(E) Answer not known
67. Where will human be treated as scale?
- (A) Planning (B) Structures  
~~(C)~~ Architecture (D) Environment  
(E) Answer not known
68. Repetition of certain element after a fixed interval called as
- (A) Harmony (B) Frequency  
(C) Balance ~~(D) Rhythm~~  
(E) Answer not known

69. Name the Act which provided scope for the preparation of Regional Plan in India.
- ☒ (A) Model Town and Country Planning Act, 1960
  - (B) Bombay Town Planning Act, 1915
  - (C) Bombay Town Planning Act, 1954
  - (D) Madras Town Planning Act, 1920
  - (E) Answer not known
70. For getting clearance of permissible activities, falling within CRZ zone, a CRZ map normally covering ————— Radius is prepared around the project side.
- (A) 4 km
  - (B) 5 km
  - (C) 6 km
  - ☒ (D) 7 km
  - (E) Answer not known
71. If one twentieth part of a plot is covered with buildings and the plot belongs to the Central or State Government, it can be classified as ————— as per the “The Tamil Nadu Town and Country Planning Act, 1971”.
- (A) Government building
  - (B) Institution building
  - ☒ (C) Public open space
  - (D) Central / State Government building
  - (E) Answer not known

72. For the purpose of conserving and protecting the coastal areas and marine waters CRZ is classified into \_\_\_\_\_ categories.
- (A) Three
  - (B) Four
  - ☒ (C) Five
  - (D) Six
  - (E) Answer not known
73. As per Section 96 of the "The Tamil Nadu Town and Country Planning Act, 1971", it shall be the duty of every \_\_\_\_\_ to cooperate with the planning authority for carrying into effect and enforcing the provisions of the Act.
- (A) Military officer
  - ☒ (B) Police officer
  - (C) Tahsildhar
  - (D) Collector
  - (E) Answer not known
74. Under Section 80-A of "The Tamil Nadu Town and Country Planning Act, 1971" Special Power is given to the \_\_\_\_\_ to call for and examine the records of the appropriate planning authority in respect of sealing of premises.
- (A) Tribunal
  - ☒ (B) Government
  - (C) Court
  - (D) Director
  - (E) Answer not known

75. Under section \_\_\_\_\_ of "The Tamil Nadu Town and Country Planning Act, 1971" planning authority is constituted
- (A) 9 (B) 10  
(C) 11 (D) 12  
(E) Answer not known
76. As per CRZ II developed area is referred to as the area within the \_\_\_\_\_ limits.
- (A) Rural  
(B) Municipal  
(C) Village  
(D) Commercial Business District Area  
(E) Answer not known
77.  $\frac{\text{Total covered area on all floors}}{\text{Plot Area}} =$
- (A) FBI (B) FSI  
(C) FDI (D) FMB  
(E) Answer not known
78. Under section 113-A of "The Tamil Nadu Town and Country Planning Act, 1971", exemption is given for the development of certain land or building on or before \_\_\_\_\_ for deviating from the provisions of the above said Act.
- (A) 31<sup>st</sup> day of March 2002  
(B) 31<sup>st</sup> day of May 2002  
(C) 31<sup>st</sup> day of July 2002  
(D) 31<sup>st</sup> day of August 2002  
(E) Answer not known

- 

83. Who described the distillation of a theory of urban growth and development?
- (A) Cripps and Hall
  - ☒ (B) Chapin F.S.
  - (C) Mc. Loughlin
  - (D) Han Sen
  - (E) Answer not known
84. Match the following
- |                          |                                                 |
|--------------------------|-------------------------------------------------|
| (a) Slums                | 1. Usually located adjacent to CBD              |
| (b) Squatter settlements | 2. Usually located in the CBD                   |
|                          | 3. Usually located on the periphery of the city |
- ☒ (A) a-1, b-3
  - (B) a-1, b-2
  - (C) a-2, b-3
  - (D) a-3, b-1
  - (E) Answer not known
85. The 1<sup>st</sup> sites and services scheme in Chennai was implemented at :
- (A) Nillivakkam
  - ☒ (B) Arumbakkam
  - (C) Velachery
  - (D) Maduravoyal
  - (E) Answer not known

86. Burgess model of Urban Planning also known as
- (A) City Development Model
  - (B) City Business Centre Model
  - ☒ (C) Concentric Zone Model
  - (D) Population Centric Survey Model
  - (E) Answer not known
87. Among the following. Identify the assumptions that are Implicit in the concentric zone theory.
- (a) Uniform land surface
  - (b) Private ownership of land
  - (c) No concentration of heavy industries in the city (area)
  - (d) Historical survival of an earlier land use pattern in any district
  - ☒ (A) (a), (b) and (c)
  - (B) (a), (b), (c) and (d)
  - (C) (a), (c), (d)
  - (D) (a) and (b)
  - (E) Answer not known
88. An individual's consumption of a good leads to no subtraction from any other individual's consumption of that good is called
- (A) Open consumption
  - (B) Free Rider Problem
  - ☒ (C) Non-Rival Consumption
  - (D) Externalities
  - (E) Answer not known

89. Bhilai town in Madhya Pradesh is a famous
- ☒ (A) Steel town
  - (B) Pilgrimage town
  - (C) Educational town
  - (D) Tourism town
  - (E) Answer not known
90. In Geddessian Triad “work” corresponds to
- (A) Organism
  - ☒ (B) Function
  - (C) Environment
  - (D) Migration
  - (E) Answer not known
91. The best benefits of industrial society and country side can be seen in a
- (A) Metro city
  - (B) Necro city
  - ☒ (C) Garden city
  - (D) Polis
  - (E) Answer not known
92. In Garden city concept the Industries are located
- (A) Near the town
  - ☒ (B) On the outskirts of the town
  - (C) In the center of the town
  - (D) Near the residential area
  - (E) Answer not known

93. Sir Patrick Geddes coined the term

- (A) Satellite town
- (B) Garden city
- ☒ (C) Conservative surgery
- (D) Urban planning
- (E) Answer not known

94. One of the following is not an issue during Renaissance period

- (A) Poor Sanitation
- (B) Inadequate water supply
- (C) Increased population
- ☒ (D) Migration
- (E) Answer not known

95. The church plaza, guild and town hall were the salient planning based features in :

- (A) Renaissance period
- ☒ (B) Medieval period
- (C) Industrial period
- (D) Roman period
- (E) Answer not known

96. The main occupation of the people of Indus Valley Civilization was
- (A) Trade
  - ☒ (B) Agriculture
  - (C) Hunting
  - (D) Industry
  - (E) Answer not known
97. The layout of the city "Mohanjo-Daro" follows a
- (A) Cul-de-sac pattern
  - (B) Radial pattern
  - ☒ (C) Grid Iron pattern
  - (D) Linear pattern
  - (E) Answer not known
98. The first person to introduce grid-iron pattern of road system in town planning is
- (A) Plato
  - (B) Aristotle
  - ☒ (C) Hippodamus
  - (D) Hippocrates
  - (E) Answer not known

99. \_\_\_\_\_ is based on the premise that the route followed by traffic is one having the least travel resistance.
- (A) Capacity restraint assignment
  - ☒ (B) All-or-nothing assignment
  - (C) Multiple route assignment
  - (D) Diversion curves
  - (E) Answer not known
100. Scientific planning of Transportation systems and Mass Transit facilities in cities should be based on
- (A) Spot speed data
  - ☒ (B) Origin and destination data
  - (C) Traffic volume data
  - (D) Accident data
  - (E) Answer not known
101. If the stopping distance is 60m then the minimum stopping sight distance for two lane, Two way Traffic is
- (A) 30 m
  - ☒ (B) 60 m
  - (C) 120 m
  - (D) 180 m
  - (E) Answer not known
102. The diagram which shows all important Physical conditions of an accident location like roadways limits, Bridges, trees and all details of roadway conditions is known as
- (A) Pie chart
  - ☒ (C) Condition diagram
  - (B) Spot maps
  - (D) Collision diagram
  - (E) Answer not known

103. The arrangement of highway lights which is misleading the drivers on curves sometimes, is
- ☒ (A) Staggered arrangement      (B) Opposite arrangement  
(C) One side arrangement      (D) Central arrangement  
(E) Answer not known
104. The length of time for which a vehicle remains in the parked position is known as
- (A) The parking accumulation      ☒ (B) The parking duration  
(C) The parking turnover      (D) The parking load  
(E) Answer not known
105. As per URDPFI guidelines 2014 for Hotel \_\_\_\_\_ Equivalent Car Space for every 100 sqm of floor area is to be provided.
- ☒ (A) Three      (B) Four  
(C) Five      (D) Six  
(E) Answer not known
106. Single side lighting is \_\_\_\_\_ to install.
- (A) Not economical      ☒ (B) Economical  
(C) Costly      (D) Not costly  
(E) Answer not known
107. One of the most important contributing factor in the highway lighting for the visual performance during night driving is
- (A) Glare      ☒ (B) Contrast  
(C) Signals      (D) Signs  
(E) Answer not known

108. These are useful near intersection to designate proper lateral placement of vehicles before turning to the different direction is called as
- (A) Obstruction
  - (B) Kerb marking
  - (C) Road parking
  - ☒ (D) Turn marking
  - (E) Answer not known
109. On long bridges the width of the medium may be reduced upto
- (A) 2.2 to 2.5m
  - (B) 3.2 to 3.5m
  - (C) 4.2 to 4.5 m
  - ☒ (D) 1.2 to 1.5m
  - (E) Answer not known
110. Identify the Garden City from the following :
- (a) Letchworth
  - (b) Welwyn
  - (c) Sydney
  - (d) New York
  - ☒ (A) (a) and (b)
  - (B) (a) and (c)
  - (C) (c) and (d)
  - (D) (b) and (d)
  - (E) Answer not known
111. The city of Chennai was divided into \_\_\_\_\_ planning units to aid preparing the basic detailed development plan.
- (A) 75
  - (B) 100
  - ☒ (C) 99
  - (D) 89
  - (E) Answer not known

112. For a particular development on a site; a certain percentage of land area is kept as an open space; also referred as :
- (A) Open plot reservation
  - ☒ (B) Consolidated open plot
  - (C) Consolidated open space
  - (D) Consolidated reservation
  - (E) Answer not known
113. Islamabad, the Capital city of Pakistan is designed by \_\_\_\_\_?
- ☒ (A) Doxiadis
  - (B) C.A. Perry
  - (C) Le Corbusier
  - (D) Ebenezer Howard
  - (E) Answer not known
114. The usual idea of using the available FSI on FAR of a particular plot of land on some other land has been advanced in recent times and this right is known as the \_\_\_\_\_?
- ☒ (A) Floating FSI
  - (B) Permissible FSI
  - (C) Developable FSI
  - (D) Balance FSI
  - (E) Answer not known
115. Heritage foundation in India was 1<sup>st</sup> set up in:
- (A) Mumbai
  - ☒ (B) Delhi
  - (C) Chennai
  - (D) Bangalore
  - (E) Answer not known

116. MIGFU – MIPTRAS matrix relates to:

- (A) Resource planning
- ☒ (B) Land use zoning
- (C) Traffic planning
- (D) Industrial planning
- (E) Answer not known

117. The first comprehensive Act requiring the preparation of development plans and authorizing its enforcement in India is

- ☒ (A) Bombay Town and country planning Act 1954
- (B) Madras Town planning Act, 1920
- (C) Bombay Town planning Act, 1915
- (D) Tamil Nadu Town and Country planning Act, 1971
- (E) Answer not known

118. The Bombay Town planning Act was passed in:

- (A) 1920
- (B) 1930
- (C) 1945
- ☒ (D) 1915
- (E) Answer not known

119. Gummidipoondi, Maraimalai Nagar and Thiruvallur towns are examples of:

- ☒ (A) Satellite Towns
- (B) Garden Towns
- (C) Smart Towns
- (D) Industrial Towns
- (E) Answer not known

120. Sub-division of a macro-region is called \_\_\_\_\_ ?
- ☒ (A) Meso-regions
  - (B) Formal region
  - (C) Functional region
  - (D) Micro regions
  - (E) Answer not known
121. In regional industrial planning; growth point is also referred to as:
- (A) Growth Pole
  - ☒ (B) Growth Center
  - (C) Growth Corridor
  - (D) Growth Curve
  - (E) Answer not known
122. A Geographical area which is uniform or homogeneous in terms of topography, climate and vegetation is termed as \_\_\_\_\_ ?
- ☒ (A) Formal region
  - (B) Functional region
  - (C) Nodal region
  - (D) Capital region
  - (E) Answer not known
123. A monitor is an example of this \_\_\_\_\_ kind of device
- (A) Processing
  - (B) Input
  - ☒ (C) Output
  - (D) Element
  - (E) Answer not known

124. The present population is obtained by referring to the statistics of \_\_\_\_\_ records prepared by the local body
- (A) Birth ~~(B) Census~~  
 (C) Death (D) Housing  
 (E) Answer not known
125. If  $\sum X$  is the sum of variables and N is the number of observations, what is the expression for mean?
- (A)  $\frac{\sum X}{\bar{X}}$  ~~(B)  $\frac{\sum X}{N}$~~   
 (C)  $\frac{\sum(X - \bar{X})}{N}$  (D)  $\frac{N}{\sum X}$   
 (E) Answer not known
126. Which one of the following factors is not affecting the change in population in an area?
- (A) Through births  
 (B) Through deaths  
 (C) Through migration  
~~(D) Through hotels~~  
 (E) Answer not known
127. If we are showing the percentage on six different heads like steel, cement, sand, bricks, labour etc., the best method of presenting it is through:
- (A) Pie diagram (B) Cartogram  
 (C) Histogram ~~(D) Rectangle~~  
 (E) Answer not known

128. \_\_\_\_\_ defined as the  $N^{\text{th}}$  root of the product of 'N' items.

- (A) Arithmetic mean
- (B) ☒ Geometric mean
- (C) Harmonic mean
- (D) Quadratic mean
- (E) Answer not known

129. A measures of central tendency is also known as

- (A) Dispersion
- (B) ☒ Averages
- (C) Skewness
- (D) Kurtosis
- (E) Answer not known

130. The values which divide the series into ten equal parts is known as

- (A) ☒ Deciles
- (B) Quartiles
- (C) Halves
- (D) Percentile
- (E) Answer not known

131. The most ill-defined measure of central tendency is

- (A) Mean
- (B) ☒ Mode
- (C) Median
- (D) Quartiles
- (E) Answer not known

132. Identify the correct statements:

- (1) The accuracy of population estimates decreases as the time period of the forecast increases.
  - (2) The accuracy of population estimates decreases the population of the area increases.
- (A) ☒ (1) only
  - (B) (2) only
  - (C) (1) and (2)
  - (D) Both are incorrect
  - (E) Answer not known

133. Very irregular way of growth of a town is termed as

- (A) Concentric spread
- (B) Ribbon growth
- ☒ (C) Scattered growth
- (D) Satellite growth
- (E) Answer not known

134. A township for a defence establishment in India is termed as

- ☒ (A) Cantonment
- (B) Megapolis
- (C) Metropolis
- (D) Polis
- (E) Answer not known

135. Growth of a town in a natural way along the sides of main road is called as

- (A) Scattered growth
- (B) Satellite growth
- ☒ (C) Ribbon development
- (D) Concentric growth
- (E) Answer not known

136. One of the important feature of a master plan is

- (A) Condition of roads and bridges
- ☒ (B) Distribution of land
- (C) Building bye-laws
- (D) Total builtup area of all buildings
- (E) Answer not known

137. The method of clearing the areas of flight and housing the affected people in a decent environment is

- ☒ (A) Slum clearance
- (B) Rural housing
- (C) Eviction
- (D) Urban housing
- (E) Answer not known

138. Occupancy rate =

(A)  $\frac{\text{Number of persons}}{\text{Number of houses}}$

☒ (B)  $\frac{\text{Number of persons}}{\text{Number of habitable rooms}}$

(C)  $\frac{\text{Number of persons}}{\text{Number of apartments}}$

(D)  $\frac{\text{Number of persons}}{\text{Number of flats}}$

(E) Answer not known

139. Control of usage of land and controlling the height of construction are parts of the process of

(A) Land delineation

☒ (B) Zoning

(C) Eviction

(D) Surveying

(E) Answer not known

140. On the basis of population in the classification of towns/cities, 'metropolis' has the population range of

☒ (A) 10,00,000 to 50,00,000

(B) 3,00,000 to 5,00,000

(C) 1,00,000 to 3,00,000

(D) 50,000 to 1,00,000

(E) Answer not known

141. An increase in land value of urban areas has led to the development of \_\_\_\_\_ which are generally high rised structures.

(A) Detached houses

(B) Semi-Detached houses

☒ (C) Apartments

(D) Cottages

(E) Answer not known

142. A family unit is termed as

(A) Apartment

(B) Basement

☒ (C) Tenement

(D) Ornament

(E) Answer not known

143. The average density of population per unit area of the whole residential zone is called as
- (A) The net density of population
  - ☒ (B) The gross density of population
  - (C) Relative density of population
  - (D) Total density of population
  - (E) Answer not known
144. With a view to protect national security interests, all data of better than \_\_\_\_\_ resolution, shall be screened and cleared by the appropriate agency prior to distribution.
- (A) 5 m
  - (B) 4 m
  - (C) 3 m
  - ☒ (D) 1 m
  - (E) Answer not known
145. A map line connecting points representing places on the earth's surface that have the same elevation is called
- (A) Mean sea level
  - (B) Altitude
  - ☒ (C) Contour line
  - (D) Latitude
  - (E) Answer not known
146. Maps are cartographer's representation of
- (A) Water resources
  - (B) Buildings
  - ☒ (C) An area
  - (D) Man-made features
  - (E) Answer not known

147. The ratio between the reduced depiction on the map and the geographical features in the real world is known as
- (A) Fractional scale (B) Graphic scale  
(C) Verbal scale ~~(D) Map scale~~  
(E) Answer not known
148. Indentor can obtain the existing Aerial photographs by marking the area of interest in \_\_\_\_\_ scale topographical map.
- ~~(A)~~ 1 : 2,50,000 (B) 1 : 5,00,000  
(C) 1 : 7,50,000 (D) 1 : 10,00,000  
(E) Answer not known
149. In Aerial photograph, the minimum forward overlap required is \_\_\_\_\_ percent
- (A) 40 (B) 50  
~~(C)~~ 60 (D) 30  
(E) Answer not known
150. Which one of the following is high resolution satellite data?
- ~~(A)~~ Quick Bird data (B) Landsat TM  
(C) Landsat MSS data (D) Oceansat1 data  
(E) Answer not known
151. The Agency which provide fresh aerial photography services is
- (A) Central Public Works Department  
~~(B)~~ National Remote Sensing Centre, Hyderabad  
(C) Ministry of Urban Development  
(D) Ministry of Earth Sciences  
(E) Answer not known

152. Which one of the following features is represented as continuous data?
- ☒ (A) Trenches (B) Houses  
(C) Road intersections (D) Trees  
(E) Answer not known
153. In image interpretation, the occurrence of certain features in relation to others is termed as
- (A) Resolution (B) Aspect  
☒ (C) Association (D) Shadow  
(E) Answer not known
154. The nominal line passing through the middle of successive aerial photographs is called a
- ☒ (A) Flight line (B) Takeoff line  
(C) Grid line (D) Map line  
(E) Answer not known
155. The width of strips through which the parkway is passing should be at least
- ☒ (A) 90 m wide (B) 50 m wide  
(C) 150 m wide (D) 200 m wide  
(E) Answer not known
156. As per NBC, the minimum average dimension of the recreational space shall not be less than
- (A) 5 m ☒ (B) 7.5 m  
(C) 10 m (D) 12.5 m  
(E) Answer not known

157. Standard space for parks is

- ☒ (A) 10% of the gross area of town
- (B) 20% of the gross area of town
- (C) 30% of the gross area of town
- (D) 5% of the gross area of town
- (E) Answer not known

158. For children's upto the age of 6 year's, the play ground must be near their homes, within a radius of \_\_\_\_\_ m.

- ☒ (A) 400
- (B) 300
- (C) 500
- (D) 1000
- (E) Answer not known

159. In the builtup area, the open space requirement is \_\_\_\_\_ per person as minimum norm according to the NBC.

- (A) 1 sqm
- (B) 2 sqm
- ☒ (C) 3 sqm
- (D) 5 sqm
- (E) Answer not known

160. The park design should properly accommodate the usual facilities such as

- (A) Houses
- (B) Industry
- (C) Polluted factory
- ☒ (D) Shelter and seats
- (E) Answer not known

161. \_\_\_\_\_ is the protection against Dust and hot sun.

- ☒ (A) Green space
- (B) Day light
- (C) Sun light
- (D) Darkness
- (E) Answer not known

162. According to purpose the parks are further classified into

- (A) Botanical parks
- (B) Zoological parks
- ☒ (C) Botanical and Zoological parks
- (D) Artificial parks
- (E) Answer not known

163. Parks are classified in the following ways

- (a) According its character
- (b) According to purpose
- (c) According to size
- (d) According to location
- ☒ (A) (a), (b) and (c)
- (B) (a), (b), (c) and (d)
- (C) (a), (c) and (d)
- (D) (b), (c) and (d)
- (E) Answer not known

164. New art of dwarfing trees and plants is called as

- (A) Palms
- (B) Monsters
- ☒ (C) Bonsais
- (D) Climbers
- (E) Answer not known

165. Rhythm can be obtained through the following manner.

- (a) Beams and columns repeat themselves
- (b) Windows and Doors repeatedly puncture the surface of the building
- (c) Courtyard in the center of the space
- ☒ (A) (a) and (b) (B) (a) (b) and (c)
- (C) (a) and (c) (D) (b) and (c)
- (E) Answer not known

166. \_\_\_\_\_ is defined as a line established by two points in space, about which forms and spaces can be arranged in a symmetrical or balanced manner.

- ☒ (A) Axis (B) Hierarchy
- (C) Rhythm (D) Datum
- (E) Answer not known

167. Identify the various types of proportion from the following

- (a) Arithmetic
- (b) Geometric
- (c) Harmonic
- (d) Magnetic
- ☒ (A) (a), (b) and (c) (B) (a), (b) and (d)
- (C) (b), (c) and (d) (D) (a) (c) and (d)
- (E) Answer not known

168. The proportioning system “Modular” was developed by \_\_\_\_\_.

- ☒ (A) Le Carbouriser (B) Frank. O. Gary
- (C) Frank. Lloyd Wright (D) Charles Correa
- (E) Answer not known

169. Urban land ceiling Act in India is related to

- ☒ (A) Acquisition of land in excess of the ceiling limit
- (B) Providing root to houses
- (C) Urbanisation of rural areas
- (D) None of the above
- (E) Answer not known

170. In Hilly areas, buildings housing more than \_\_\_\_\_ families requires prior clearance of Hill Area conservation Authority.

- ☒ (A) Two
- (B) Three
- (C) Four
- (D) Five
- (E) Answer not known

171. Tamil Nadu Hill areas conservation Authority shall consist of \_\_\_\_\_ members.

- (A) 9
- ☒ (B) 19
- (C) 29
- (D) 39
- (E) Answer not known

172. The Land Acquisition Act was brought by the Government in the year

- ☒ (A) 1894
- (B) 1991
- (C) 1984
- (D) 1888
- (E) Answer not known

173. For development of beach resorts or hotels in the designated areas of CRZ-III and CRZ-II, the total covered area on all floors shall not exceed \_\_\_\_\_ percent of the plot size.

(A) 23

☒ (B) 33

(C) 43

(D) 53

(E) Answer not known

174. After the declaration of a Local Planning Area under section 10 of the Tamil Nadu Town and Country Planning Act, 1971 \_\_\_\_\_ is to be prepared.

(A) Zonal plan

(B) Detailed development plan

(C) Regional plan

☒ (D) Master plan

(E) Answer not known

175. Under section 124 of "The Tamil Nadu Town and Country Planning Act, 1971", any planning authority may with the previous approval of the Government make \_\_\_\_\_ whether prospectively or retrospectively for enabling it to perform its function.

(A) Regional plan

(B) Detailed development plan

☒ (C) Rules

(D) Master plan

(E) Answer not known

176. Refusal of permission for the proposed building can be served by the municipalities to the applicant, if the accessible portion of the buildings measured horizontally is within \_\_\_\_\_ for low tension lines as per Tamil Nadu District Municipalities Building Rules, 1972.

- (A) 1.0 meters
- ☒ (B) 1.5 meters
- (C) 2.0 meters
- (D) 2.5 meters
- (E) Answer not known

177. Areas that are relatively undisturbed and those do not belong to either CRZ-I or II which include Coastal Zone in the rural areas (developed and undeveloped) is classified under \_\_\_\_\_ categories.

- (A) CRZ I
- (B) CRZ II
- ☒ (C) CRZ III
- (D) CRZ IV
- (E) Answer not known

178. For development of beach resorts or hotels in the designated areas of CRZ-III and CRZ-II, the total plot size shall not be less than \_\_\_\_\_ hectares.

- (A) 0.3
- ☒ (B) 0.4
- (C) 0.5
- (D) 0.6
- (E) Answer not known

179. No stairway shall have a height of more than \_\_\_\_\_ between landings as per Tamil Nadu District Municipalities Building Rules.

- (A) 1.75 metres
- (B) 2.75 metres
- ☒ (C) 3.75 metres
- (D) 4.75 metres
- (E) Answer not known

180. Expansion of "TAHDCO" is

- (A) Trichy and Ariyalur Housing Development Corporations
- ☒ (B) Tamilnadu Adi Dravidar Housing and Development Corporation Limited
- (C) Tamilnadu Housing Development Cooperatives
- (D) Tamilnadu And Hyderabad miners Development Corporation
- (E) Answer not known

181. BMTPC stands for

- (A) Building Management and Technology Promotion Council
- (B) Building Material and Technique Promotion Council
- (C) Building Management and Technology Promotion Committee
- ☒ (D) Building Material and Technology Promotion Council
- (E) Answer not known

182. Expand "VAMBAY" housing scheme

- ☒ (A) Valmiki Ambedkar Nivas Yojna
- (B) Valmiki Ambedkar Nirman Yojna
- (C) Valmiki Ambedkar Nivaran Yojna
- (D) Valmiki Ambedkar Nithya Yojna
- (E) Answer not known

183. The “EIS” programme available in the 7<sup>th</sup> Five Year Plan, 1985 denoted:
- (A) Environmental Improvement Scheme
  - (B) Energy Improvement Scheme
  - (C) Economic Improvement of Slums
  - ☒ (D) Environmental Improvement of Slums
  - (E) Answer not known
184. The Central Government is aimed “Housing for All” by
- (A) 2020
  - ☒ (B) 2022
  - (C) 2025
  - (D) 2030
  - (E) Answer not known
185. Abbreviation of “ADB”
- (A) Association for Development Bankers
  - ☒ (B) Asian Development Bank
  - (C) Association for Digital Broadcast
  - (D) All India Dental Board
  - (E) Answer not known
186. What is the term which is used to describe the physical pattern of low density expansion of large urban area’s under market conditions into the surrounding Agricultural area?
- ☒ (A) Urban Sprawl
  - (B) Urban Renewal
  - (C) Urban mesh
  - (D) Urban morphology
  - (E) Answer not known

187. The Tamilnadu Town and Country Planning Act was passed in the year

- ☒ (A) 1971
- (B) 1980
- (C) 1992
- (D) 1999
- (E) Answer not known

188. The suburbanization means

- (A) Outskirts area of the city which is formed by independently
- ☒ (B) Peripheral areas of large cities are extended due to high density of the population
- (C) Extended areas of the Town for accommodating the non-households.
- (D) Expanded areas of the village for agriculture purpose
- (E) Answer not known

189. \_\_\_\_\_ model in land use planning is mainly focusing on a set of descriptive relationships into the future by some treatment of the Time factor.

- (A) Dynamic
- (B) Behaviouristic
- ☒ (C) Predictive
- (D) Planning
- (E) Answer not known

190. An area of Land use conflict where a process of change from rural to urban use is taking place is called
- ☒ (A) Urban Fringe
  - (B) Urban mesh
  - (C) Urban core
  - (D) Urban blight
  - (E) Answer not known
191. How many stages are in metropolitan plan-making process?
- (A) Five
  - (B) Six
  - ☒ (C) Eight
  - (D) Nine
  - (E) Answer not known
192. Which one of the following is not part of the migration theory of population?
- (A) Buffer theory
  - (B) Stouffer's law of intervening opportunities
  - (C) Push and Pull factor theory
  - ☒ (D) Lewis two sector model
  - (E) Answer not known
193. The "Town-Country Magnet" concept was developed by
- (A) Patrick Geddes
  - (B) Lewis Mumford
  - ☒ (C) Ebenezer Howard
  - (D) C.A. Perry
  - (E) Answer not known

194. The idea of "THE THREE MAGNETS" was given by

- (A) C.A. Perry
- (B) Sir Patrick Geddes
- ☒ (C) Sir Ebenezer Howard
- (D) Clarence Stein
- (E) Answer not known

195. "Detailed study of place without folk and work is a matter of atlases and maps" was the opinion of:

- (A) Lewis Mumford
- (B) Ebenezer Howard
- (C) Christopher Alexander
- ☒ (D) Sir Patrick Geddes
- (E) Answer not known

196. The author of the book titled "Garden City of Tomorrow" is

- (A) C.A. Perry
- (B) Sir Patrick Geddes
- ☒ (C) Sir Ebenezer Howard
- (D) Clarence Stein
- (E) Answer not known

197. "Mohenjo – Daro" means

- ☒ (A) Hill of Dead
- (B) Hill of Life
- (C) Cradle
- (D) Silent Valley
- (E) Answer not known

198. In Greek, city-state was called as

- (A) City
- (B) State
- ☒ (C) Polis
- (D) Module
- (E) Answer not known

199. The city of Indus-Valley civilization which is located on two mounds is

- (A) Lothal
- (B) Kalibangan
- ☒ (C) Mohenjo-Daro
- (D) Rakhigadhi
- (E) Answer not known

200. The settlement Kalibangan which belongs to Indus Valley Civilisation is in

- ☒ (A) India
- (B) Pakistan
- (C) Afghanistan
- (D) China
- (E) Answer not known

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