

MIZORAM PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO THE POST OF
ASSISTANT DIRECTOR (TOWN PLANNING)
UNDER URBAN DEVELOPMENT & POVERTY ALLEVIATION DEPARTMENT,
GOVERNMENT OF MIZORAM, DECEMBER, 2023

TECHNICAL PAPER - I

Time Allowed : 2 hours

Full Marks : 200

All questions carry equal marks of 2 each.
Attempt all questions.

1. Which one of these regions has documented the oldest urban settlement?
(a) Indus Valley (b) Huang-Ho-valley
(c) Nile Valley (d) Mesopotamia
2. Settlements with dispersed pattern of development are generally found in:
(a) Hilly regions (b) Fertile plains
(c) Along major roads (d) Along the rivers
3. The first industrial revolution took place during the
(a) 21st Century (b) 16th Century
(c) 18th Century (d) 17th Century
4. "Folk-Work-Place" concept was given by:
(a) Le Corbusier (b) Janes Jacob
(c) Ebenezer Howard (d) Patrick Geddes
5. Which of the following country with 100 percent urban population.
(a) Japan (b) Singapore
(c) Great Britain (d) Poland
6. Who was Pennsylvania formed by?
(a) Auguste Perret (b) C. D. Harris
(c) E. L. Ulman (d) William Penn
7. The Death of great American Cities was written by:
(a) Robert Moses (b) Peter Zumthar
(c) Gordon Cullen (d) None of these
8. Which of the following is not an example of linear City?
(a) Madrid (b) Moscow
(c) Quebec (d) Volgograd
9. Concept of Rolling Plan was given by:
(a) Le Corbusier (b) B V Doshi
(c) Gunnar Myrdal (d) Edmund Bacon

10. Plan of Washington DC was first conceived by:
- (a) Norman Foster (b) Washington and Jefferson
(c) Christopher Wren (d) Pierre L'Enfant
11. The ratio of town area to agriculture land area is _____ : _____ as suggested in the, 'Garden City' concept.
- (a) 1:10 (b) 1:30
(c) 1:5 (d) 1:15
12. Which of the town is considered as an urban agglomeration of Chandigarh city?
- (a) Mohali (b) Karnal
(c) Surat (d) Gurugram
13. The Himalayas are also known by the name
- (a) Ancient Mountain (b) Indus Mountain
(c) Fold Mountain (d) None of these
14. What is the height of the Kanchenjunga peak of the Himalayas?
- (a) 6868 meters (b) 8586 meters
(c) 9024 meters (d) 7655 meters
15. Which river originates from the Amarkantak Plateau?
- (a) Narmada River (b) Ton River
(c) Betwa River (d) Godavari River
16. Umananda island is situated in the state of
- (a) Arunachal Pradesh (b) Assam
(c) Madhya Pradesh (d) Haryana
17. Which among the following plan document has a subtitle "Inclusive Growth"?
- (a) 10th five year plan (b) 11th five year plan
(c) 12th five year plan (d) 9th five year plan
18. The main aim of First Five Year Plan was
- (a) Self-independent (b) Industrial Growth
(c) Economic Growth (d) Agriculture Growth
19. Which model is an economic model created by Chauncy Harris and Edward Ullman in 1945?
- (a) Ecological Model (b) Zone Model
(c) Sector Model (d) Multiple Model
20. For the Census of India 2011, an urban area should have population density of at least per square kilo-meter.
- (a) 400 (b) 100
(c) 50 (d) 150
21. As per 2011 census, the minimum population for urban agglomeration should be
- (a) 5000 (b) 10000
(c) 15000 (d) 20000
22. Which state has highest death rate in the India?
- (a) Chhattisgarh (b) Assam
(c) Madhya Pradesh (d) Uttar Pradesh

23. The Department of Family Planning in India was setup in the year of
(a) 1955 (b) 1966
(c) 1977 (d) 1988
24. The mobility of people and goods can be examined by
(a) Minimise travel time
(b) Provide adequate frequency of service, capacity, safety and reliability
(c) Minimise travel cost
(d) All of the above
25. Land use, transportation and road network plans are
(a) Inter linked (b) Intra linked
(c) Not Linked (d) Depends on the Network
26. In Lowry's Land-use-Transport model _____ element is considered as endogenous.
(a) Retail Sector (b) Residential Sector
(c) Industrial Sector (d) Employment
27. Which one is not a transportation model?
(a) MRTS (b) BRTS
(c) LRTS (d) None of the above
28. Which one is not a type of road?
(a) Arterial Road (b) Sub Arterial Road
(c) Collector Street (d) None of the above
29. Which city is an example of Rectangular and Radial Street System?
(a) New Delhi (b) Chandigarh
(c) Gandhinagar (d) Bhubaneswar
30. The NUTP stands for
(a) National Urban Transit Policy (b) National Urban Transport Program
(c) National Urban Transport Policy (d) None of these
31. The coefficient of lateral friction as recommended by Indian Road Congress is
(a) 0.15 (b) 0.40
(c) 0.90 (d) 1.27
32. External Cordon Survey and Internal Cordon Survey are techniques for conducting
(a) Environmental Survey (b) Socio-economic Survey
(c) Traffic Survey (d) Income Survey
33. Functional classification of urban roads as per Indian Road Congress in its proper hierarchy is
(a) Expressway, Arterial, Local and Collector
(b) Arterial, Sub-arterial, Collector and Local
(c) Sub-arterial, Arterial, Local and Collector
(d) Expressway, Arterial, Cul-de-sac and Collector
34. Reconnaissance survey is useful in planning exercise to:
(a) identifies housing characteristics (b) identifies socio-economic characteristics
(c) ensure the traffic network (d) delimit the study area

35. Socialist society is characterized by
- (a) Social Justice (b) Political Justice
(c) Cultural Justice (d) None of these
36. Which theory advocates that "individuals made a mutual agreement and created society"?
- (a) Divine Origin (b) Agreement
(c) Social Contract (d) Patriarchal
37. The reason for the sudden decline in sex ratio can be
- (a) Female foeticide (b) Son preferences
(c) Life expectancy rate (d) Maternal Mortality rate
38. Which settlement pattern is found along coasts?
- (a) Rectangular (b) Linear
(c) Triangular (d) Star-like
39. Which is the largest city in Asia?
- (a) Shanghai (b) Mumbai
(c) Tokyo (d) Karachi
40. Which one of the following types of economic activities dominates in rural settlements?
- (a) Primary (b) Tertiary
(c) Secondary (d) Quaternary
41. Igloos are found in which of the following region?
- (a) Savana (b) Tundra
(c) Selvas (d) None of these
42. Which of the following is not a medieval town?
- (a) Jaipur (b) Nagpur
(c) Madurai (d) Hyderabad
43. Which one of the following is not covered under the definition of a town as per the Census of India?
- (a) Presence of municipality, corporation etc.
(b) More than 75% of the population is engaged in the primary sector.
(c) Population density of 400 persons per sq.km.
(d) Population size of more than 5000 persons.
44. Who coined the term 'Conurbation'?
- (a) Jene Gottman (b) Ratzel
(c) Amartya sen (d) Patrik Geddes
45. Which one of these sampling methods is a probability method?
- (a) Simple random (b) Quota
(c) Judgement (d) Convenience
46. Sampling means following a sequence of stages. Which ONE of the following stages should come before the others?
- (a) Proceed with the fieldwork.
(b) Find suitable source for the population members.
(c) Define the people of interest.
(d) Examine of the objective of the study

47. For sampling, which ONE of the following should be up-to-date, complete and affordable?
- (a) A Census (b) A capi machine
(c) A sampling frame (d) A respondent
48. Which one of the following is the benefit of using simple random sampling?
- (a) We can calculate the accuracy of the results. (b) The result are always representative.
(c) Interviewers can choose respondents freely. (d) Informants can refuse to participate
49. Which one of the following is the main problem with using non probability sampling techniques?
- (a) The expense (b) The result are never representative
(c) Human Judgement error (d) Informants can refuse to participate
50. Which one of the following methods is generally used in qualitative sampling?
- (a) Random digit (b) Quota
(c) Stratified random (d) Simple Random
51. The National Highways system is the responsibility of
- (a) State Government (b) Central Government
(c) State and Central Government (d) None of these
52. Which of the following sea port is nearest to Rourkela Steel Plant?
- (a) Haldia (b) Vishakhapattanam
(c) Kadla (d) Paradip
53. Golden Quadrilateral Project for the development of National Highways was initiated by
- (a) P.V Narasimha Rao (b) I.K Gujral
(c) Manmohan Singh (d) Atal Bihari Vajpayee
54. What is the first stage in traffic studies?
- (a) Traffic volume studies (b) Spot speed studies
(c) Speed and delay studies (d) Origin and destination studies
55. Which of the following method is more accurate for traffic analysis?
- (a) Manual count (b) Automatic count
(c) Average of manual and automatic (d) Past record data
56. Which of the following does not affect traffic flow?
- (a) Vehicles travelling at speed (b) Length of the vehicle
(c) Weather Conditions (d) Geometric Design
57. As per IRC, maximum width of vehicle should be
- (a) 2.44 m (b) 1.93 m
(c) 2.03 m (d) 1.87 m
58. Out of the following locations, which one's most preferred for Urbanisation?
- (a) Low Lying Areas (b) River Banks
(c) Brown Field (d) Fragile Hills
59. Which plan gives a perspective picture of a fully developed town?
- (a) Master Plan (b) Key Plan
(c) Sector Plan (d) Layout Plan

60. Panchayati Raj is a _____ tier system.
- (a) Five (b) Two
(c) Three (d) Four
61. How many seats are reserved in Panchayat election for women candidate?
- (a) One third (b) Two third
(c) Half (d) None of these
62. What is the criteria for reservation of SC/ST in Panchayat election?
- (a) Population (b) Area
(c) Income (d) None of these
63. Who will be responsible for organising, Supervision and Control the Panchayat elections?
- (a) Central Election Commission (b) State Election Commission
(c) Both (a) & (b) (d) None of the above
64. Why is community participation important in social planning?
- (a) It ensures that decisions are made by experts in the field.
(b) It strengthens social divisions and inequalities.
(c) It promotes democratic decision-making and local ownership.
(d) It limits the effectiveness of social programs.
65. Saga Dawa festival is one of the most important festival of which of the following states?
- (a) Assam (b) Arunachal Pradesh
(c) Sikkim (d) Meghalaya
66. Mizoram covers how much percentage of total area of India?
- (a) 0.23% (b) 0.64%
(c) 1.98% (d) 2.83%
67. Which of the following area is the original habitat of the 'Toda tribe'?
- (a) Jaunsar Hills (b) Garo Hills
(c) Nilgiri Hills (d) Jaintia Hills
68. The Bharatmala Project is associated with
- (a) Highways (b) Railways
(c) Telecom (d) Ports
69. In which city of India under water train project has been launch?
- (a) Madurai (b) Vijaywada
(c) Kochin (d) Kolkata
70. Gandhian Plan was advocated by
- (a) M.N Roy (b) Jayaprakash Narayan
(c) Narayan Agarwal (d) Jawahar Lal Nehru
71. GIS captures and analyses _____ data.
- (a) Spatial (b) Geographic
(c) Both (a) and (b) (d) None of these
72. GIS represents unrelated information of location using
- (a) Key Index (b) Key
(c) Key Index variable (d) Index

73. GIS represent a location in _____ dimensional coordinates.
(a) Two (b) Three
(c) Four (d) Five
74. GIS was coined by
(a) Roger Tomlinson (b) Peter Suthar
(c) John Macsey (d) Richard H Tomar
75. Who was the first socialist to believe that the general well being is incomplete without including women?
(a) Matti Kurita (b) Charles Fourier
(c) William Thompson (d) David Dale
76. Who is the pioneer of 'white revolution in India'?
(a) M.S Swaminathan (b) Verghese Kurien
(c) Amrita Patel (d) Manmohan Singh
77. Which of the following are not third-world regions?
(a) Latin America (b) Asia
(c) Africa (d) Australia
78. Karl Marx's historical materialism views were shaped by all of the following EXCEPT
(a) the French Revolution. (b) the rise of industrial and capitalist production.
(c) political and labor revolts. (d) a growing spiritual rationalism.
79. 'A transitional area', 'a smaller urban area' or 'a larger urban area' in the context of a Nagar Panchayat, a Municipal Council or a Municipal Corporation, are specified by the Governor after considering which of the following:
1. Density of population
2. Percentage of employment in non-agricultural activities
3. Number of hospitals in the area
- Select the correct answer using the codes given below:
(a) 1, 2 and 3 (b) 1 and 2 only
(c) 2 and 3 only (d) 1 and 3 only
80. Which of the following statements is not correct?
(a) A Metropolitan area is specified by the Governor through a public notification.
(b) Metropolitan area means an area having a population of 8 lakhs or more.
(c) Metropolitan area may be comprised in more than one district.
(d) Metropolitan area may consist of more than two Municipalities or Panchayats or other contiguous areas.
81. The concept of Participatory Development was introduced in
(a) 1980s (b) 1970s
(c) 1950s (d) 2000s
82. The entire process of participatory development can be completed in
(a) 4 stages (b) 5 stages
(c) 2 stage (d) 3 stages

83. A rolling plan refers to a plan which
(a) does not change its target every year (b) changes its allocation every year
(c) changes its allocation and target every year (d) changes only its target every year
84. In the context of urban transport, 'bottlenecks' refers to
(a) A portion of road with lowest capacity along the route
(b) An unregulated traffic junction
(c) A road with excessively high traffic
(d) A road with railway crossing
85. The area around city that supplies resources, agricultural produce and manpower to the city is called
(a) Um land (b) Lena land
(c) Rimland (d) Urban fringe
86. The plan for city of Barcelona was prepared by
(a) Auguste Perret (b) C.D. Harris
(c) Ildefons Cerda (d) E.L. Ulman
87. In a traffic survey the term internal trip refers to
(a) Trip within survey area (b) Trip towards city center
(c) Trip using public transport (d) Non-motorized trip
88. Which of the following survey is required to plan for the maximum threshold level of traffic?
(a) Peak time traffic survey (b) Off peak time traffic survey
(c) Average daily traffic (d) Hourly average traffic
89. National Capital Region is spread over
(a) Union Territory of Delhi
(b) Delhi and part of Uttar Pradesh
(c) Uttar Pradesh and Haryana
(d) Union Territory of Delhi, Part of Uttar Pradesh, Haryana and Rajasthan
90. The 'Finger Plan' was adopted for the extension of the city of
(a) Copenhagen (b) Chennai
(c) Brasilia (d) New Delhi
91. Who was the architect and town planning of Islamabad?
(a) Dr. Constantinos Apostolou Doxiadis (b) Vedat Dalokay
(c) Yahya Merchant (d) Abdur Rab Nishtar
92. The City Beautiful Movement that flourished during 1890s and 1900s introduced beatification and monumental grandeur in cities. It also intended to create
(a) awareness on beauty and heritage values
(b) moral and civic virtue among urban populations
(c) harmony between nature and infrastructure development
(d) beautiful villages
93. According to Kevin Lynch which of the following five types of elements form the image a city
(a) Roads, Mountains, Forest, Buildings, and Rivers
(b) Paths, Edges, Districts, Nodes, and Landmarks
(c) Footpaths, Rivers, Buildings, Parks, and Monuments
(d) None of these

94. _____ is a thorough fare that is lined with buildings. It has area defined for cars, human circulations and activity.
- (a) Street (b) Road
(c) Footpath (d) Promenade
95. _____ refers to the process of rebuilding area of cities or towns which have become obsolete and abandoned, or are in a state of considerable decay.
- (a) Urban reconstruction (b) Urban renewal
(c) Urban rebuilding (d) Urban rehabilitation
96. The Garden City Ideal formulated by Ebenezer Howard sought to raise the standard of health and comfort through providing a living environment that combined the best elements of
- (a) Nature and Human habitation (b) Commercial and agricultural practices
(c) Gardens, parks and cities (d) Town and country life styles
97. How many different categories did Manasara s villages fall under?
- (a) 4 types (b) 3 types
(c) 8 types (d) 6 types
98. Social, Economical and Ecological equity is the necessary condition for achieving _____ development.
- (a) Social (b) Economical
(c) Sustainable (d) Ecological
99. Who among the following is hailed as the father of local self-government in India?
- (a) Lord Mayo (b) Lord Ripon
(c) Jawaharlal Nehru (d) Mahatma Gandhi
100. Planning Commission was scrapped on
- (a) 2015 (b) 2014
(c) 2017 (d) 2012

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