

MIZORAM PUBLIC SERVICE COMMISSION
COMBINED COMPETITIVE EXAMINATION FOR
LECTURER (VSE) AND VOCATIONAL GUIDANCE OFFICER UNDER
DIRECTORATE OF SCERT, SCHOOL EDUCATION DEPARTMENT,
GOVERNMENT OF MIZORAM, FEBRUARY-2025.

QUESTION BOOKLET

Question
Booklet Series

B

GENERAL STUDIES PAPER-III

*(The role and impact of science and technology in the development of India;
History, Cultural Heritage and Traditional Practices and General Knowledge
about Mizoram; Aptitude Test)*

Time Allowed : 2 hours

Maximum Marks : 200

INSTRUCTIONS

1. Immediately after the commencement of the examination, you should check that this question booklet does not have any unprinted or torn or missing pages or items, etc. If so, get it replaced by a complete question booklet of the same series.
 2. Write and encode clearly the question booklet series A, B, C or D as the case may be in the appropriate place in the OMR Answer Sheet.
 3. **Particulars/Details to be filled up in the OMR Answer Sheet should be filled up completely and correctly, OMR Answer Sheet of candidates failing to do so will NOT be evaluated.**
 4. This Question Booklet contains 100 questions carrying 2 marks each. Each item comprises of four responses (answers). Mark the response you want on the OMR Answer Sheet.
 5. You have to mark all your responses only on the separate OMR Response Sheet provided. See directions in the OMR Answer Sheet.
 6. After the examination has concluded, you should hand over the OMR Answer Sheet to the Invigilator only. You are permitted to take away with you the Question Booklet.
 7. Separate sheets for rough work will be provided in the Examination Hall.
 8. There are no negative marks for incorrect answer.
-

1. Choose that set of numbers from the four alternatives sets that is similar to the given set.
(6 : 12 : 18)
- (a) (4 : 8 : 14) (b) (12 : 24 : 36)
(c) (6 : 20 : 26) (d) (30 : 36 : 45)
2. 2, 9, 28, 65, ?
- (a) 121 (b) 195
(c) 126 (d) 103
3. In the given series, one of the terms in the number series is wrong. Find out the wrong term.
30, 27, 36, 45, 72
- (a) 30 (b) 27
(c) 36 (d) 72
4. Find the one that does not belong to the series:
6, 12, 21, 32, 45, 60
- (a) 6 (b) 12
(c) 21 (d) 32

Directions (Question No. 5): Find out the missing number from the following which have been arranged according to an identical pattern.

5.

92	70	48
64	53	42
52	45	?

- (a) 36 (b) 40
(c) 38 (d) 42
6. Choose the number which is different from others.
- (a) 144 (b) 216
(c) 343 (d) 125
7. Choose the odd one out from the numbers given
- (a) 523 (b) 121
(c) 324 (d) 729
8. The next number in the sequence will be?
1, 3, 9, 15, 25, 35, 49,
- (a) 61 (b) 63
(c) 65 (d) 81
9. Find the word which holds the same relation with the third word as there is between the first two words.
Oxygen : Burn :: Carbon dioxide : ?
- (a) Isolate (b) Foam
(c) Extinguishes (d) Explode

10. Arrange the following letters of each group to make a meaningful word and then find the odd one out.
- (a) GHIET (b) VEENS
(c) ORFU (d) VIDEID
11. Identify the pair which 'does not' exhibit the same relationship as the capitalized pair:
Etymology : Words
- (a) Psychology : Mind (b) Anatomy : Body
(c) Philosophy : Language (d) Archeology : Antiques
12. If Water is called food, food is called tree, tree is called sky, sky is called wall, on which of the following grows a fruit?
- (a) Water (b) Tree
(c) Wall (d) Sky
13. Choose the antonym of Abate:
- (a) Enlarge (b) Decrease
(c) Decline (d) Slow

Directions (Question Nos. 14 & 15) : Read the following passage and answer the two (2) questions that follow the passage. Your answer to these questions should be based on the passage only.

In general, religious traditions stress our duty to God, or to some universal ethical principle. Our duties to one another derive from these. The religious concept of rights is primarily derived from our relationship to this divinity or principle and the implication it has on our other relationships. This correspondence between rights and duties is critical to any further understanding of justice. But, for justice to be practiced; virtue, rights and duties cannot remain formal abstractions. They must be grounded in a community (common unity) bound together by a sense of common union (communion). Even as a personal virtue, this solidarity is essential to the practice and understanding of justice.

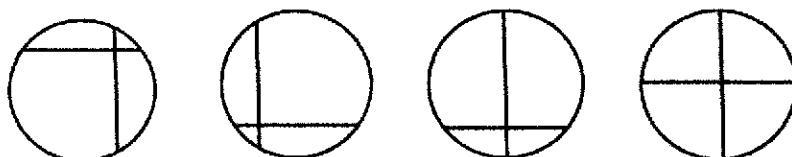
14. With reference to the passage, the following assumptions have been made:

1. Human relationships are derived from their religious traditions
2. Human beings can be duty bound only if they believe in God
3. Religious traditions are essential to practice and understand justice

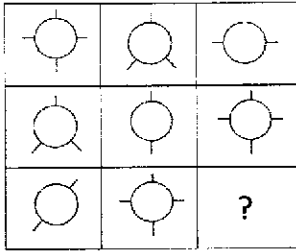
Which of these assumption(s) is/are valid?

- (a) 2 only (b) 1 and 3 only
(c) 2 and 3 only (d) 1, 2 and 3
15. Which one of the following is the crux of this passage?
- (a) Having relationships to the divine principle is a great virtue
(b) Our duties to one another derive from our religious traditions
(c) Religious concepts of rights is primarily derived from our relationship to God
(d) Balance between rights and duties is crucial to the delivery of justice in a society

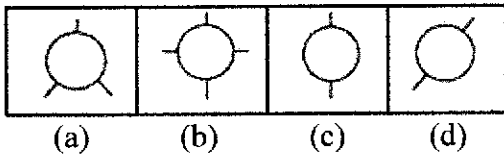
Directions (Question No. 16): Choose the figure which is different from others in which three figures are similar in a certain manner:

16. 
- (a) (b) (c) (d)

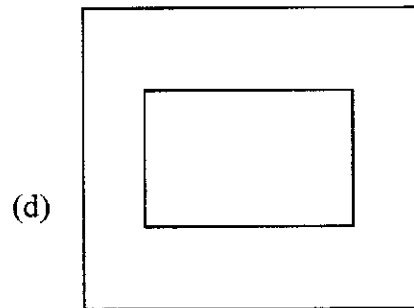
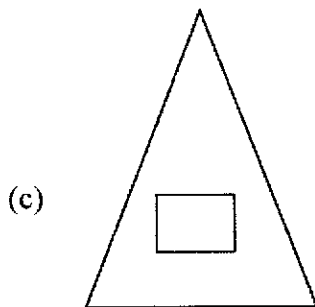
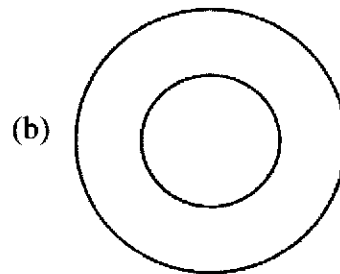
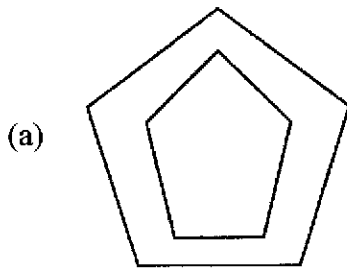
17. Complete the figure matrix from the answer figures:



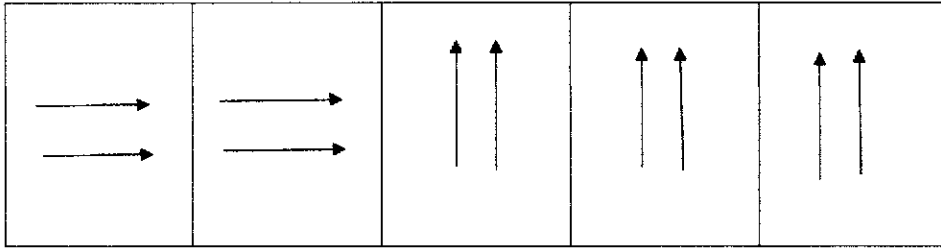
Answer Figures:



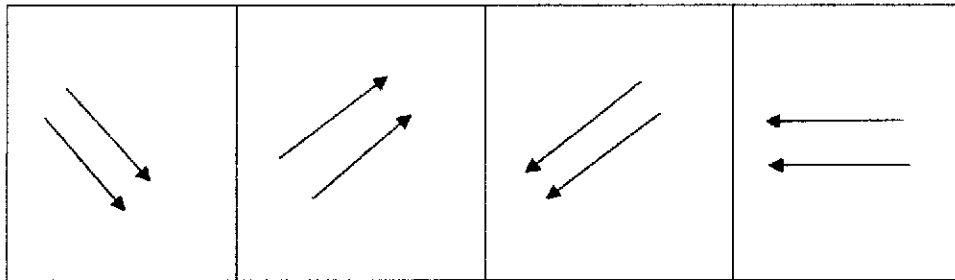
18. Which one of the following is different from the rest?



19. Problem Figures:



Answer Figures:



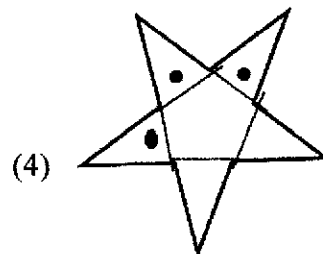
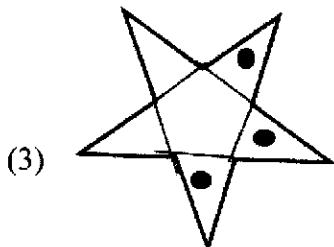
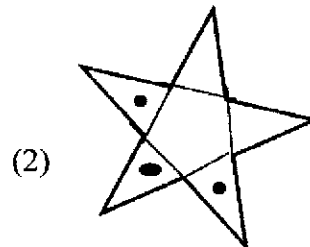
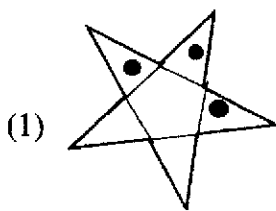
(a)

(b)

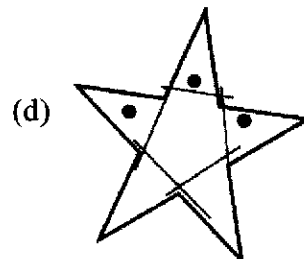
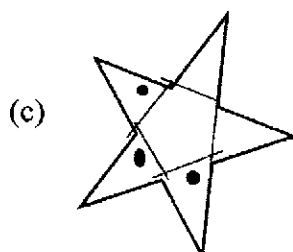
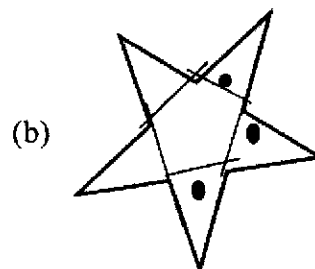
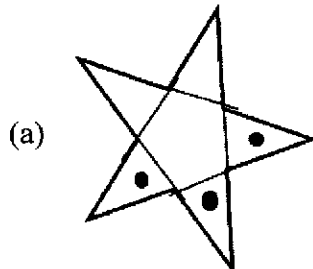
(c)

(d)

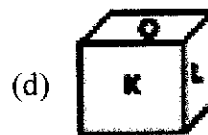
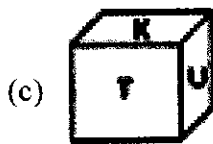
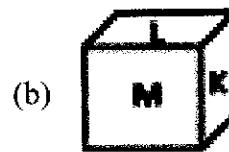
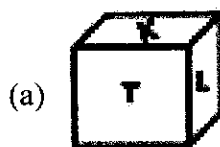
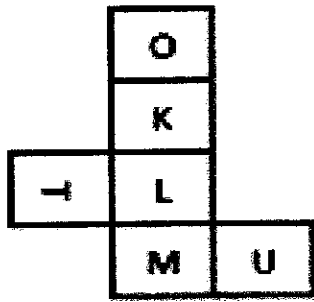
20. Consider the figures given below:



Answer Figures:



21. Looking into a mirror, the clock shows 9 : 30 as the time. Then the actual time is:
 (a) 2 : 30 (b) 3 : 30
 (c) 4 : 30 (d) 6 : 30
22. If South-East becomes North and North-East becomes West and all the rest directions are changed in the same manner, then what will be the direction of the West?
 (a) North-East (b) South
 (c) South-East (d) South-West
23. Choose the cube which will be formed on folding the following question figure.



24. If P denotes ' \div ', Q denotes ' \times ', R denotes ' $+$ ' and S denotes ' $-$ ', then
 $18 Q 12 P 4 R 5 S 6 = ?$
 (a) 50 (b) 53
 (c) 56 (d) 59
25. The difference between the compound interest and single interest on a certain sum at 10% per annum for 2 years is ₹631. Determine the sum.
 (a) ₹70,000 (b) ₹61,000
 (c) ₹62,000 (d) ₹63,100
26. It is the major player in India's aerospace programmes and has developed world class capacity for design, development and fabrication of large components of advanced composites for civilian and combat aircraft, structural testing and analysis, aerospace electronics and system.
 (a) Indian Space Research Organisation (b) National Aerospace Laboratories
 (c) Hindustan Aeronautics Pvt. Ltd. (d) National Space Agency
27. Ritu Karidhal is a ISRO scientist who is known for her key role in-
 (a) India's Mars orbiter mission (b) Chandrayaan-3 lunar mission
 (c) GSAT-9 (d) LVM3 rocket

28. The organisation that is mandated to communicate Science and Technology to masses, stimulate scientific and technological temper and coordinate and orchestrate such efforts throughout the country is-
- (a) National Council for Science Communication
 - (b) Science & Technology Popularisation Commission of India
 - (c) National Council for Science and Technology Communication
 - (d) National Council for Science Promotion
29. The DRDO Centre for Artificial Intelligence and Robotics (CAIR) is located in-
- (a) Delhi
 - (b) Mumbai
 - (c) Bengaluru
 - (d) Kanpur
30. The National Power Transmission Corporation which was set up in 1989 to construct, operate and maintain the inter-state and inter-regional transmission systems was renamed as -
- (a) National Electricity Transmission Corporation
 - (b) POWERGRID
 - (c) Power Trading Corporation
 - (d) National Electricity Regulatory Commission
31. The great Indian mathematician who made significant contribution to infinite series is-
- (a) Salim Ali
 - (b) C.V. Raman
 - (c) Vikram Sarabhai
 - (d) Shrinivas Ramanujan
32. The National Council of Science Museum based in Kolkata is an autonomous body functioning under which Ministry?
- (a) Ministry of Science & Technology
 - (b) Ministry of Space
 - (c) Ministry of Culture
 - (d) Ministry of Earth Sciences
33. The Chaff technology developed by DRDO protects fighter aircrafts from-
- (a) Hostile radar threats
 - (b) Cyber threats
 - (c) Biological threats
 - (d) Space debris
34. Which one of the following is not a renewable source of energy?
- (a) Wind power
 - (b) Hydro power
 - (c) Fossil fuels
 - (d) Solar energy
35. The National Action Plan on Climate Change (NAPCC) has eight national missions. One of the missions is-
- (a) National Green Hydrogen Mission
 - (b) National Quantum Mission
 - (c) National Mission for Sustainable Agriculture
 - (d) National Supercomputing Mission
36. The first Indian space satellite which was launched in 1975 was -
- (a) Bhaskara-I
 - (b) Rohini
 - (c) Aryabhata
 - (d) IRS-1A
37. Coral bleaching is an indicator of-
- (a) Climate change
 - (b) Rise in sea level
 - (c) Melting of glacier
 - (d) Deforestation
38. On October 24, 2024 India launched its fourth nuclear-powered ballistic missile submarine (SSBN) at the Ship building Centre in Vishakhapatnam called as -
- (a) S4
 - (b) INS
 - (c) AGNI-3
 - (d) ABHAY

39. India has made significant progress in harnessing wind energy, driven by both government support and technological advancements. The most common wind turbines used in India is-
- (a) Windmill (b) Darrieus wind turbine
(c) Horizontal Axis Wind Turbines (HAWT) (d) Vertical Axis Wind Turbines (VAWT)
40. On August, 2024 India launched its first reusable hybrid rocket from Thuruvidanthai, Chennai which marks a significant achievement in the country's space exploration efforts. The mission is called as-
- (a) Mission Drishti (b) Mission Chandrayaan
(c) Mission Rhumi (d) Mission Dhanush
41. The autonomous satellite navigation system developed by the Indian Space Research Organisation (ISRO) that focuses on the Indian subcontinent and surrounding areas is-
- (a) GPS (b) GLONASS
(c) Galileo (d) NavIC
42. The father of Indian Nuclear Programme is-
- (a) Tessy Thomas (b) Birbal Sahni
(c) Homi Jehangir Bhabha (d) MS Swaminathan
43. The Blue revolution that occurred in India generally refers to increase in –
- (a) Milk production (b) Fish production
(c) Wheat production (d) Jute production
44. The name of the technology developed by researchers at the Indian Institute of Science, Bangaluru that mimics the structure and function of brain tissue in a miniature platform, capable of storing and processing data in 16,500 is-
- (a) Neural network chip (b) Brain on a chip
(c) Tissue chip (d) Mini brain implants
45. The potential for storing significant amount of carbon in forests and other ecosystems as an alternative means of offsetting the effect of future emissions on greenhouse gas concentration on atmosphere is -
- (a) Carborundum (b) Carbon di-oxidation
(c) Carbocation (d) Carbon sequestration
46. The National Science Day is celebrated every year on –
- (a) 29th January (b) 28th February
(c) 16th November (d) 27th March
47. Deepor Beel is a Ramsar Site situated in-
- (a) Arunachal Pradesh (b) Assam
(c) Meghalaya (d) Tripura
48. Which one of the following category is not included in the National Air Quality Index?
- (a) Very poor (b) Severe
(c) Moderately polluted (d) Highly polluted
49. Pualreng Wildlife Sanctuary is located in which district of Mizoram?
- (a) Mamit (b) Lunglei
(c) Kolasib (d) Champhai
50. The ambient National Air Quality standard in respect of noise [Limits in dB(A) Leq] for a residential area is -
- (a) 55 daytime and 45 night time (b) 50 daytime and 40 night time
(c) 60 daytime and 50 night time (d) 65 daytime and 55 night time

51. The new snake species discovered in Mizoram in 2024 by researchers at the Mizoram University is-
- (a) *Sinomicrurus gorei* (b) *Ahaetulla prasine*
(c) *Python bivittatus* (d) *Smithophis mizoramensis*
52. The only approved genetically modified (GM) crop for cultivation in India is-
- (a) Bt tomato (b) Golden rice
(c) Bt cotton (d) GM Canola
53. The most abundant Greenhouse Gas in the atmosphere is -
- (a) Methane (b) Carbon Dioxide
(c) Water Vapour (d) Nitrous Oxide
54. Several plants are sensitive to ozone and contribute as an indicator of air pollution. Ozone enters leaves through the microscopic pores of-
- (a) Xylem (b) Phloem
(c) Stomata (d) Macropores
55. The series of supercomputers designed and assembled by the Centre for Development of Advanced Computing (C-DAC) in Pune, India is -
- (a) PARAM (b) Arka
(c) Arunika (d) Mihir
56. The Indian biopharma company to develop the first rH-insulin using a *Pichia pastoris* yeast expression system in the world is-
- (a) Bharat Biotech (b) Novartis
(c) Biocon (d) Dr Reddy's Lab
57. It is a method based on X-rays to create detailed images of the inside of the body -
- (a) EEG (b) ECG
(c) CT Scan (d) MRI
58. It is a network that is constructed by using public wires/network usually the internet to connect to a private network -
- (a) VPN (b) WAN
(c) LAN (d) MAN
59. Which Sustainable Development Goal (SDG) focuses on innovation?
- (a) SDG 4 (b) SDG 8
(c) SDG 9 (d) SDG 11
60. The process by which green plants and certain other organisms transform light energy into chemical energy is called -
- (a) Photosynthesis (b) Respiration
(c) Asphixia (d) Oxidation
61. The BioE3 policy launched by the Union Minister of State for Science and Technology stands for-
- (a) Biotechnology for Environment, Economy, and Employment
(b) Biotechnology for Environment, Economy, and Entrepreneurship
(c) Biotechnology for Ecology, Economy, and Employment
(d) Biotechnology for Ecology, Economy, and Energy

62. The first Scientific Policy Resolution in India was adopted in the year -
 (a) 1971 (b) 1949
 (c) 1958 (d) 1963
63. COVAXIN, India's first indigenous Covid-19 vaccine was developed by-
 (a) Serum Institute of India in collaboration with Indian Council of Medical Research
 (b) Bharat Biotech in collaboration with Indian Council of Medical Research
 (c) Pfizer in collaboration with Indian Council of Medical Research
 (d) Eli Lilly and company in collaboration with Indian Council of Medical Research
64. In Mizo folktales, a well-known magical object called 'Bahhnukte' is found in -
 (a) Rairahtea thawnthu (b) Chhura leh Naa thawnthu
 (c) Nuchhimi thawnthu (d) Sichangneii thawnthu
65. In Mizo folktales, anthropomorphosis is found in -
 (a) Samdala (b) Keimi
 (c) Tlingi leh Ngama (d) Laltheri leh Chalthanga
66. Which one of the following is associated with Lallula?
 (a) Khawnglung run (b) Khuangleng run
 (c) Chhim leh hmar indo (d) Thlanrawn rawt
67. In traditional Mizo society, public holiday is used to observe on the occasion of -
 (a) Buh seng (b) Kang ral
 (c) Lo vah (d) Rammut
68. The first Mizo chief who freed all of his slaves in 1910 was -
 (a) Khawvelthanga (b) Khamliana
 (c) Lalluaia (d) Laluma
69. Which one of the following is correct pair?
 (a) Tumchhingi leh Raldawna (b) Chawngvungi leh Hrangchhuana
 (c) Chawngmawii leh Zawlpala (d) Lasiri leh Neihlala
70. In traditional Mizo society the religious rite 'Kawngpui siam' is observed every year before the commencement of -
 (a) Pawl kut (b) Mim kut
 (c) Chapchar kut (d) Khuangchawi
71. The starting day of slashing down trees for jhum plot in traditional Mizo society is called -
 (a) Vahsan lak ni (b) Mangchhal ni
 (c) Ram tuk ni (d) Chawn do ni
72. It was a customary on the part of the bride to bring along with -
 (a) pawnpui and thul (b) pawnpui and chem
 (c) thul leh chempui (d) fian and thlengpui
73. In Mizo marriage, the principal bride price is known as -
 (a) Sum zan lut (b) Pu sum
 (c) Sumpui (d) Manpui
74. In Mizo divorce or separation, when the husband brings in another woman, it is called -
 (a) Kawngka sula mak (b) Peksachang
 (c) Sumchhuah (d) Sumlaitan

75. According to Mizo traditional knowledge system of stars, 'Khangte Zawngzim' referred to -
 (a) Taurus (b) Great Bear
 (c) Saturn (d) Pleiades
76. A person who select the best jhumming site during the traditional Mizo society was called -
 (a) Val upa (b) Ramhual
 (c) Puithiam (d) Thirdeng
77. The famous East- West War called 'Chhak leh Thlang Indo' was fought between -
 (a) Vanhnuailiana vs Thawmvunga (b) Lallianvunga vs Lalpuithanga
 (c) Vuta and Manga vs Lalsavunga (d) Rolura vs Vuta
78. Aizawl Theological School was established in the year -
 (a) 1902 (b) 1907
 (c) 1909 (d) 1919
79. The first Lower Primary Examination in Mizoram was held in -
 (a) June 25, 1903 (b) July 8, 1906
 (c) December 2, 1906 (d) April 10, 1909
80. A Monograph on Lushai Customs and Ceremonies was written by -
 (a) J.Shakespear (b) A.S.Reid
 (c) N.E.Parry (d) McCall
81. The State Flower of Mizoram is -
 (a) Rhynchosyilis Retusa (b) Red Vanda
 (c) Aerides Odorata (d) Liliun Mackliniae
82. A cave found in Phawngpui tlang was -
 (a) Tialpa puk (b) Sur puk
 (c) Tialpari puk (d) Pukzing
83. The first recipient of the Padma Shri Award among the women from Mizoram was -
 (a) Khawlkungi (b) Nuchhungi Renthlei
 (c) Buangi Sailo (d) Lalsangzuali Sailo
84. Puma Zai was replaced by -
 (a) Tlanglam zai (b) Chawngchen zai
 (c) Nilen zai (d) Dawn zai
85. Role of Rev L. Evans in Mizo history was -
 (a) The first president of Young Lushai Association
 (b) The first Editor of Mizo Chanchin Laisuih
 (c) The first Editor of Mizo leh Vai Chanchinbu
 (d) The first Editor of Kristian Tlangau
86. In which of the following year was Mizo District Council inaugurated?
 (a) 25 February, 1951 (b) 25 April, 1952
 (c) 25 May, 1953 (d) 25 April, 1954
87. The number of Mizos who went to France in connection with the First World War was -
 (a) 2000 (b) 2100
 (c) 2150 (d) 2200

88. The first Indian to take over as Superintendent of Lushai Hills was -
 (a) S.N.Barkataki (b) Brojo Nath Saha
 (c) GN Bardoloi (d) Rup Nath Brahma
89. The Mizo musical instrument Tumphit produced _____ different notes.
 (a) Three (b) Four
 (c) Five (d) Six
90. Who among the following is the recipient of Rokunga Award, 2024?
 (a) C.Chhuanvawra (b) C.Laizawna
 (c) B.Lalthangliana (d) C.Thangmawia
91. The signatories of Memorandum of Settlement (Mizoram Accord) were -
 (a) Lalkhama, Laldenga, R.D.Pradhan (b) Lalthanhawla, Laldenga, R.D.Pradhan
 (c) Laldenga, Lalkhama, Giani Zail Singh (d) Laldenga, Lalkhama, Charan Singh
92. The Union Territory of Mizoram was inaugurated by -
 (a) Rajiv Gandhi (b) Indira Gandhi
 (c) PV Narasimha Rao (d) Morarji Desai
93. Grouping of villages was introduced in Mizoram from -
 (a) 1966 (b) 1968
 (c) 1967 (d) 1969
94. A girl who fell in love with serpent in Mizo folktale is -
 (a) Kungawrhi (b) Tumchhingi
 (c) Ngaitcii (d) Chawngchilhi
95. Sibuta Lung is situated at the outskirts of -
 (a) Maubuang village (b) Muallungthu village
 (c) Samlukhai village (d) Tachhip village
96. When an infant died at or soon after birth, it was known as -
 (a) Awmlai thi (b) Sar thi
 (c) Raicheh (d) Hlamzuih
97. The Pilgrim's Progress was translated into Mizo language by -
 (a) Liangkhaia (b) Chuaatera
 (c) Chhuahkhama (d) Challiana
98. For selection of new site or village -
 (a) It must be selected by ramhual and sadawt by sleeping one night at the propose site taking with them with a cock. If the cock crow before dawn, the site would be considered suitable.
 (b) It must have to be selected by the elders which they did by sleeping one night at the propose site taking with them a cock. If the cock did not crow before dawn, the site would be considered not suitable.
 (c) It must have to be selected by only 'ramhual' which they did by sleeping one night at the propose site taking with them a cock. If the cock did not crow before dawn, the site would be considered not suitable.
 (d) It must have to be selected by the group of young men which they did by sleeping one night at the propose site taking with them a cock. If the cock did not crow before dawn, the site would be considered not suitable.

99. In 'hnuaipui' sacrifice,

(a) a full grown female pig was killed

(b) a young pig was killed

(c) mithun was killed

(d) a full grown hen was killed

100. Rev. William Williams arrived Mizoram in the year -

(a) 1890

(b) 1891

(c) 1892

(d) 1893

* * * * *