

MIZORAM PUBLIC SERVICE COMMISSION

TECHNICAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO THE POST OF GRADE-II OF MIZORAM HEALTH SERVICE (SPECIALIST SUB-CADRE) UNDER HEALTH & FAMILY WELFARE DEPARTMENT, GOVERNMENT OF MIZORAM. OCTOBER, 2022

PAPER - I

Time Allowed : 3 hours

Full Marks : 200

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

1. Who is the first Indian President to be born in independent India?
(a) Droupadi Murmu (b) Ram Nath Kovind
(c) Pratibha Patil (d) Pranab Mukherjee
2. Which Indian city will host a world class Shopping Festival in 2023?
(a) Delhi (b) Varanasi
(c) Bengaluru (d) Lucknow
3. The soldiers under Agnipath scheme will be called
(a) Agniver (b) Agnipatheers
(c) Agnivers (d) Agniveers
4. Which novel has become the first Hindi novel to win International Booker Prize 2022?
(a) Tomb of Sand (b) Chaak
(c) Ret Samadhi (d) Mid night children
5. Who has been named as the new Chief Election Commissioner of India?
(a) Rajiv Mehta (b) Susil Kumar
(c) Rajiv Kumar (d) Rajive Reddey
6. Which among the following drug manufacturer has developed Paxlovid Covid antiviral pill?
(a) J&J (b) Biotech
(c) Modernna (d) Pfizer
7. Who was sworn in as the interim President of Sri Lanka on July 15, 2022?
(a) Jayantha Jayasuriya (b) Ranil Wickremesinghe
(c) Ajay Bisara (d) A Dissanayaka
8. Which nation's former Prime Minister tragically died after being shot at campaign event on July 8th 2022?
(a) South Korea (b) Israel
(c) Italy (d) Japan
9. The world's most liveable city as per Liveability Index 2022 is
(a) Vienna (b) Rome
(c) Paris (d) Vancouver
10. Who has been re-elected as the Director General of the World Health Organization?
(a) Antonio Guterres (b) Tedros Adhanom Ghebreyesus
(c) Roberto Manici (d) Antony Tedros

11. Which country's has become the first one to suspend the Covid 19 vaccination programme?
(a) Denmark (b) Poland
(c) Australia (d) Sweden
12. Winner of US Open 2022 was
(a) Carlos Alcaraz (b) Carlos Perreira
(c) Novak Djokovic (d) Casper Ruud
13. The 'Objective Resolution' adopted by the Constituent Assembly on Jan. 22, 1947 was drafted by
(a) Dr BR Ambedkar (b) Dr Rajendra Prasad
(c) BN Rau (d) Jawaharlal Nehru
14. The Second Schedule of the Constitution is related to
(a) Division of powers between the Union and the States
(b) The Representation of States in Rajya Sabha
(c) The provision of the salary of some important functionaries of the government
(d) The forms of oath prescribed for different officials / functionaries
15. Who was the first acting President of India?
(a) Dr. Rajendra Prasad (b) V.V Giri
(c) Neelam Sanjeeva Reddy (d) Dr. Zakir Hussain
16. Sarkaria Commission was concerned with
(a) Judicial reforms (b) Electoral reforms
(c) Financial reforms (d) Centre – State relations
17. Who amongst the following described Indian Federal System as 'Quasi Federal'?
(a) K Santhanam (b) KC Wheare
(c) WH Morris Jones (d) Rajni Kothari
18. Which Constitutional Amendment introduced the Anti – Defection provisions in the Constitution for the first time?
(a) 50th Amendment (b) 51st Amendment
(c) 52nd Amendment (d) 53rd Amendment
19. The Rajya Sabha has equal power with the Lok Sabha
(a) In the matter of creating New All India Services (b) In amending the Constitution
(c) In the removal of Government (d) In making cut motions
20. A Writ of Prohibition is an order issued by the Supreme Court or High Court which
(a) Affects the subject of production and consumption of liquor
(b) Prohibits the police from arresting a person
(c) Prohibits the administrative authority from taking a particular action
(d) Prohibits a quasi- judicial authority from proceeding with a case
21. Which one of the following is NOT an objective of the Directive Principles of State policy?
(a) To establish a welfare state (b) To ensure socio – economic justice
(c) To establish a religious state (d) To establish a secular state
22. A member of the Union Public Service Commission holds office for a term of
(a) 5 years
(b) 6 years
(c) 6 years or until he attains the age of 62 years, whichever is earlier
(d) 6 years or until he attains the age of 65 years, whichever is earlier

23. The Comptroller and Auditor General of India is removed from his office by
- (a) The Council of Ministers on the basis of unanimous resolution
 - (b) The President on the basis of an inquiry held by the Supreme Court
 - (c) The Prime Minister on the basis of an inquiry held by the Supreme Court
 - (d) The President on the basis of a resolution passed by both the houses of Parliament by Special Majority
24. World Environmental day is celebrated on
- (a) 5th June
 - (b) 15th June
 - (c) 5th July
 - (d) 15th July
25. Which one of the following ecosystems covers the largest area of the earth's surface?
- (a) Desert Ecosystem
 - (b) Grassland Ecosystem
 - (c) Mountain Ecosystem
 - (d) Marine Ecosystem
26. Which of the following is not an in-situ conservation?
- (a) National Parks
 - (b) Botanical Gardens
 - (c) Wildlife sanctuary
 - (d) Biosphere reserve
27. The first Earth Summit for Convention on Biological Diversity was held at
- (a) Johannesburg (2002), South Africa
 - (b) Rio de Janeiro (1992), Brazil
 - (c) New York (1990), USA
 - (d) London (1998), UK
28. Which of the following is not a greenhouse gas?
- (a) Carbon dioxide
 - (b) Nitrogen
 - (c) Methane
 - (d) CFC
29. Endemic species are
- (a) Rare species
 - (b) Species with cosmopolitan distribution
 - (c) Species localized in a specific region
 - (d) Critically endangered species
30. The increased productivity of ponds and lakes due to excess nutrients is called
- (a) Biomagnification
 - (b) Overproduction
 - (c) Eutrophication
 - (d) Nutrification
31. The pyramid of energy in an ecosystem
- (a) Always upright
 - (b) Always inverted
 - (c) May be upright or inverted
 - (d) None of the above
32. In which of the following type of biotic interaction one species benefits and the other is unaffected?
- (a) Commensalism
 - (b) Competition
 - (c) Mutualism
 - (d) Predation
33. In ecological succession, the final stable community is known as
- (a) Climax community
 - (b) Ultimate community
 - (c) Final community
 - (d) Seral community
34. The greenhouse gas that results from the intestinal gases of ruminants (cows) is
- (a) Nitrous oxide
 - (b) Carbon dioxide
 - (c) Carbon monoxide
 - (d) Methane
35. Who were the first two Mizo Christian who received baptism in the year 1899 ?
- (a) Kapa & Khama
 - (b) Thanga & Sela
 - (c) Khama & Chala
 - (d) Khuma & Khara
36. The famous Mizo legendary cave *Lamsial Puk* is situated at:
- (a) Farkawn
 - (b) Samthang
 - (c) Vaphai
 - (d) Khawbung

37. T.H.Lewin wrote three Mizo folktales in Mizo language in his book :
- (a) A fly on the wheel
 - (b) Progressive Colloquial exercise in the Lushai Dialect
 - (c) Wild Races of South Eastern India
 - (d) The Hill Tracts of Chittagong and the Dwellers Therein
38. Which of the following is regarded as the first Mizo novel?
- (a) Hawilopari
 - (b) Sangi Inleng
 - (c) Engtin Awm Ta Zel Ang Maw?
 - (d) Maymyo Sanapui
39. A Mizo ceremony in order to yield productive jhumming cultivation is called :
- (a) Fano dawi
 - (b) Kawngpui siam
 - (c) Khaw kheng thawi
 - (d) Vawkte khal
40. The traditional Mizo tax paid to the chief in the form of paddy at the end of the year is called :
- (a) Buh chhun
 - (b) Fathang
 - (c) Fano chhiah
 - (d) Buhran
41. The Mizo chief Khamliana wrote a letter to the British Queen in the year?
- (a) 1897
 - (b) 1896
 - (c) 1895
 - (d) 1898
42. Which of the following is the name of a Mizo traditional musical instrument?
- (a) Thimkual
 - (b) Hnawhkhal
 - (c) Bengbung
 - (d) Thilthek
43. The first Newspaper published in Mizo language was?
- (a) Mizoram Chanchin
 - (b) Mizo Chanchin Laisuih
 - (c) Mizo leh Vai Chanchin
 - (d) MZP Chanchinbu
44. The chant of the Mizo brave warriors to celebrate their victory over the enemy was?
- (a) Hlado
 - (b) Bawh hla
 - (c) Thanhawl hla
 - (d) Thiam hla
45. Which of the following indicate a type of divorce in the Mizo marriage system?
- (a) Sebo mawh
 - (b) Charsutphawi
 - (c) Peksachang
 - (d) Laksapek

Direction (Question No. 46 - 52) : Read the following passages and answer the questions that follow:

Everyone should be serious about having good health. Our health decides our future. It is the basic need if you want to have a delightful life. There are many things that we should do to maintain a healthy life like exercise, meditation, diet and proper knowledge of disease, etc. Apart from 'what to do', it is also important to know 'what not to do' for a healthy life.

We should never work for gaining weight. More than a balanced bodyweight is always harmful to us. We should not have excessive use of Mobile, TV or electronic gadgets. They are not suitable for our body, especially for our eyes. We should not be dependent on them. Instead, we should prefer to go outside and playing with friends in our free time. Playing outdoor games is a way to stay healthy and active without extra effort.

Smoking, chewing tobacco and drinking alcoholic products are not advisable. They will lead you to a drastic loss of health. Their immediate pleasure is temporary, but the loss of health is permanent. We should neither use them nor motivate others for it. We can obtain a healthy life only by following a disciplined routine.

46. It is important to be serious about good health because
- (a) Health is wealth (b) Our health decides our future
(c) There are many things we should do (d) We should gain weight
47. Having good health lets you have
- (a) A basic need (b) Knowledge of what not to do
(c) A delightful life (d) Discipline
48. It is good to have
- (a) A balanced bodyweight (b) A heavy bodyweight
(c) A light bodyweight (d) Any bodyweight
49. Too much usage of gadgets is bad for
- (a) Our wealth (b) Our body and our eyes
(c) The gadgets (d) Our bodyweight
50. A way to stay healthy without extra effort is
- (a) Playing outdoors (b) Smoking and chewing tobacco
(c) Playing with gadgets (d) Eating less food
51. Smoking, chewing tobacco and drinking alcoholic products lead to
- (a) Change in lifestyle (b) Nothing much
(c) Permanent loss of health (d) Temporary loss of health
52. We can obtain a healthy life
- (a) By playing outdoor games (b) By knowing what not to do
(c) By knowing what to do (d) By following a disciplined routine

Direction (Question No. 53 - 57) Fill in the blanks with the correct form of the tenses given below:

53. The manager _____ to see you.
- (a) Want (b) is wanting
(c) Has wanted (d) wants
54. It _____ for three days now.
- (a) Was raining (b) rained
(c) Has been raining (d) was raining
55. The train _____ by the time we reached the station.
- (a) Has left (b) had left
(c) Will leave (d) has been leaving
56. John _____ his mother every morning.
- (a) Greets (b) greeted
(c) has greeted (d) is greeting
57. Right now, Mary _____ a letter to her friends.
- (a) Is writing (b) writes
(c) Wrote (d) has written

Direction (Question No. 58 - 62) : Join the following sentences using the correct conjunctions:

58. I could not come _____ I was ill.
- (a) Since (b) when
(c) And (d) lest

59. I will not go _____ you come with me.
(a) Because (b) such that
(c) Unless (d) for
60. John, _____ Tom has completed the assignment.
(a) Or (b) nor
(c) As well as (d) as much as
61. Walk faster _____ we miss the bus.
(a) Or else (b) lest
(c) If (d) unless
62. He was wrong, _____ he was punished.
(a) Since (b) because
(c) Yet (d) therefore

Direction (Question No. 63 - 67) : Choose the closest meaning of the following idioms and phrases:

63. To kick the bucket
(a) To fight with someone (b) to die
(c) To chase after someone (d) to make someone happy
64. To make mountains out of molehills
(a) To exaggerate the importance of something (b) To work hard without purpose
(c) To tell lies (d) To be able to talk fluently
65. At sixes and sevens
(a) To quarrel with someone (b) To be in a state of total confusion
(c) To not be able to keep still (d) To be isolated from everyone
66. To bury the hatchet
(a) To agree to end a quarrel (b) To do something in secret
(c) To refuse to work (d) To kill someone
67. To be on the fence
(a) To look forward to something (b) To aim too high
(c) To neglect one's loved ones (d) To be unable to make a decision

Direction (Question No. 68 - 70) : Study the following information carefully and answer the questions that follow:

Six friends Mary, Faith, John, Sarah, Earl and Ferguson are sitting on a bench facing the same direction. John is sitting between Mary and Earl. Sarah is not at the end. Faith is sitting to the immediate right of Earl. Ferguson is not at the right end.

68. Who is to the immediate right of Ferguson?
(a) Sarah (b) Mary
(c) Either Sarah or Mary (d) Cannot be determined
69. How many persons are there to the left of John?
(a) One (b) Two
(c) Three (d) Four
70. Who is fourth from the left end?
(a) Mary (b) John
(c) Faith (d) Cannot be determined

Direction (Question No. 71 & 72) : Find the term that will come in place of the question mark(?) in each of the following series:

71. 1,2,3,6,11,20,37, 68, ?

- (a) 125 (b) 126
(c) 124 (d) 105

72. 12,24,36,48,?,72

- (a) 50 (b) 55
(c) 60 (d) 70

Direction (Question No. 73 & 74) : What should come next on the following series?

73. 122343456.....

- (a) 45678 (b) 6789
(c) 34567 (d) None of these

74. $A_{10}, D_{15}, G_{20}, J_{25}, \dots$

- (a) N_{18} (b) O_{20}
(c) M_{30} (d) None of these

Direction (Question No. 75 & 76) : P,Q,R,S,T went on a picnic. P is the son of Q but Q is not the father of P. R is the son of S, who is the brother of P. T is the wife of S.

75. How is P related to S?

- (a) Nephew (b) Brother
(c) Father (d) None of these

76. How many males are present in this group?

- (a) 1 (b) 2
(c) 3 (d) 4

Direction (Question No. 77 & 78) : Study the following information carefully and answer the questions given below:

Among A,B,C and D, B is heavier than A and C but C is taller than him. D is not as tall as C while A is the shortest. C is not as heavy as A. D is heavier than B but shorter than him.

77. Who is the heaviest?

- (a) B (b) A
(c) D (d) C

78. Who is the tallest?

- (a) D (b) C
(c) Either A or D (d) Cannot be determined

79. Barrier(s) while decoding include(s):

- (a) The receiver's emotions (b) Receiver's lack of interest
(c) Poor listening skills (d) All of these

80. 7C's of communication include(s):

- (a) Concreteness (b) Conciseness
(c) Correctness (d) All of these

Direction (Question No. 81 - 88) : Fill in the blanks with appropriate words from the options given below.

81. Every _____ has an equal and opposite reaction
(a) Bow (b) Actuate
(c) Action (d) None of these
82. The vitamins _____ the human body to fight against diseases.
(a) Benefits (b) Actuate
(c) Diffused (d) All of these
83. Some diseases are _____ and cannot be cured.
(a) Intrusive (b) Congenital
(c) Defusing (d) Congenial
84. _____ a bomb requires skill as well as courage.
(a) Diffused (b) Action
(c) Defusing (d) None of these
85. The Parliament is _____ at the end of each session
(a) Postponed (b) Adjoining
(c) Bend (d) Adjourned
86. This is a _____ on his character
(a) Blot (b) Blur
(c) Slur (d) Spot
87. The jury's views _____ with those of the lawyer on the issues of crime and punishment
(a) Ally (b) Apprise
(c) Approve (d) Coincided
88. The cabinet has _____ a proposal to change the way private educational institutions are funded and managed.
(a) Acceded (b) Actualise
(c) Endorsed (d) Approve
89. Monopoly is characterised by an absence of competition. The Singhanian Company realises that its operations are in competitive industries.
Which of the following conclusions may be inferred from the above?
(a) The Singhanian Company's market is not monopolistic
(b) Monopoly is defined as one seller in a market
(c) The Singhanian Company has no domestic competitors
(d) The Singhanian Company is publicly owned

Direction (Question No. 91 - 94) : Choose the most relevant option/best option for the given statement.

90. You have set up a manufacturing unit of cloth and fabric in an Industrial area. You have been approached by local goons who demand 'protection money' (extortion money on periodic basis). They have also stated that all units in the industrial area pay them 'protection money' What do you think is the most irrelevant action?
(a) Approach the police for protection and file a complaint of extortion
(b) Approach other unit owners and exhort them to refuse to pay protection money and jointly tackle the threat of goons
(c) Hire guards from a security agency for protection of self and the premise
(d) Pay the protection money and peacefully concentrate on the affairs of the manufacturing unit.

91. You go to a movie theatre with your family to watch a movie for which you had been waiting for weeks. The person selling the tickets ask for double the printed price of the tickets as only a few tickets are left. What would be the wrong choice?
- (a) Threaten to report the matter to the theatre administration unless he gives ticket to you at the regular price
 - (b) Go back without watching the movie
 - (c) Take the tickets at double price and enjoy the movie. In any case, going back and coming another day would cost you more besides being a waste of time
 - (d) Not purchase the ticket and report the matter to the theatre manager/administration
92. Your immediate supervisory authority had taken some decisions regarding setting up of a project which has run into heavy revenue losses. The higher authorities have set up a three member committee to enquire into the matter which has called you for your deposition. Your boss wants you to justify the stand taken by him. He is likely to remain your boss for at least next one year. You would
- (a) Justify the decisions of your supervisory authority and bail him out
 - (b) Outrightly criticise his decisions as in the past he has been rude and harsh with you
 - (c) Give a fair account of what has happened which is likely to result in his implication, but is surely to adversely affect your personal equations with him.
 - (d) Give an ambivalent reply showing your lack of specific knowledge of the subject and thus save you the embarrassment of implicating your boss and also save you from being further dragged as a witness against your boss
93. You are in a hurry to reach your office and jump a traffic light when it is red. The traffic policeman stops you and asks you to pay a fine (challan) of Rs.500. You would
- (a) Intimate the policeman that you are senior government servant who was in a hurry to go to office to attend an urgent meeting and therefore be excused.
 - (b) Call a friend in the police department and ask him to request the policeman to spare you
 - (c) Try to argue that the light was yellow when you crossed it and save yourself from fine, although you know that the light had turned red.
 - (d) You would pay the fine
94. You are the head of a committee which is to award a public contract for executing an important government programme in a district. Your immediate superior officer calls you and tells you that the application of a party X which is related to a prominent politician is to be favoured. This is to be done by citing technical deficiencies in the bids of other possible competitors. In case you disobey him he suggests that you will be transferred to a different station. Your response would be to:
- (a) cancel the process of examination of tenders and awarding of contract and float fresh tender calling for bids
 - (b) Examine the tenders on merits and award the contract, to the party satisfying the technical requirements and making the lowest financial bid
 - (c) Award the contract to the party X lest you are transferred out and other good administrative measures initiated by you suffer.
 - (d) Black list the party X and see to it that somebody else gets the award.

Direction (Question No. 95 - 98) : Read the following case carefully and answer the questions that follow:

Krishna Reddy was the head of a pharmaceutical company that was trying to develop a new product. Reddy, along with his friend John assessed that such products had mixed success. Reddy and John realised that if a new product (a drug) was a success, it may result in sales of 100 crore but if it is unsuccessful, the sales may be only 20 crore. They further assessed that a new drug was likely to be successful 50% of times. Cost of launching the new drug was likely to be Rs.50 crore. Now, Reddy and John were in a quandary whether the company should go ahead and market the drug. They contacted Mr. Raj, a common friend for advice. Raj was of the opinion that given the risky nature of launch, it may be a better idea to test the market. John and Reddy realised test marketing would cost Rs.10 crore. Raj told them the previous test meeting results have been unfavourable 70% of times and success rate of products favourably tested was 80%. Further, when test marketing results were unfavourable, the products have been successful 30% of times.

95. How much profit can the company expect to earn, if it, launches the new drug (suppose there are no additional costs)?
- (a) 12 crore (b) 10 crore
(c) 11 crore (d) 10.5 crore
96. How much profit can the company expect to make, if the product is launched after favourable test marketing results (assume there are no additional costs)?
- (a) 11.5 crore (b) 10 crore
(c) 24 crore (d) 8.5 crore
97. What is the probability of product failure, if Reddy and John decides to test market?
- (a) 0.21 (b) 0.28
(c) 0.35 (d) Cannot be determined
98. If John and Reddy decide to launch the product despite unfavourable test marketing, how much profit/loss can the company expect to earn?
- (a) 16 crore loss (b) 13.2 crore profit
(c) 36.8 crore profit (d) 10 crore loss

Direction (Question No. 99 & 100) : Choose the correct answer:

99. How many letters of English Alphabet (capitals) appear same when looked at in a mirror?
- (a) 9 (b) 10
(c) 12 (d) 11
100. A person buys 100 pens at a discount of 10 percent. He spends a sum of Rs.600 on this purchase. 15% of the cost price is spent by him as sale-related expenditure to gain 25% if, what should be the selling price of 100 pens?
- (a) Rs.802.50 (b) Rs.811.25
(c) Rs.862.50 (d) Rs.875