

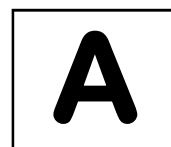
MIZORAM SUBORDINATE SERVICES SELECTION BOARD



COMPETITIVE EXAMINATION FOR RECRUITMENT TO THE POST OF JUNIOR SCIENTIFIC OFFICER UNDER MIZORAM FORENSIC SCIENCE LABORATORY, GOVERNMENT OF MIZORAM NOVEMBER - 2021

Question Booklet Series

PAPER – I



Time Allowed : 3 Hours

Maximum Marks : 200

INSTRUCTIONS

1. This paper consists of one hundred (100) multiple-choice type of questions.
2. Immediately after the commencement of the examination, you should check that this question booklet does not have any unprinted or missing pages or items, etc. If so, get it replaced by a complete booklet from the invigilator.
3. Please note that it is the candidate's responsibility to fill in all necessary details such as Roll Number, etc. and the Question Booklet Series A, B, C or D carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.
4. Each question comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet.
5. You have to mark your responses **ONLY** on the separate OMR Answer Sheet provided.
Read instructions given in the OMR sheet carefully.
6. All questions carry equal marks.
7. Rough work is to be done in the spaces available in the question booklet.
8. You have to submit your Answer Sheet to the invigilators at the end of the examination compulsorily and must not carry it with you outside the Examination Hall. You are permitted to take away with you the question booklet on conclusion of examination.
9. There are no negative marks for incorrect answer.

1. The largest State in India in term of area is
(A) Rajasthan (B) Madhya Pradesh
(C) Uttar Pradesh (D) Maharashtra
2. Who is the current Union Minister of Ministry of Earth Sciences in India?
(A) Nitin Gadkari (B) Maneka Gandhi
(C) Anurag Thakur (D) Dr. Jitendra Singh
3. Mahatma Gandhi launched the Kheda Satyagraha in Gujarat in 1918 to support the cause of
(A) Landlords (B) Mill Owners
(C) Peasants (D) Tribals
4. Match the events with the years in which they took place.

<u>Event</u>	<u>Year</u>
1. Santhal Rebellion	(i) 1826
2. Moplah Rebellion	(ii) 1855
3. Treaty of Yandaboo	(iii) 1921

(A) 1 – (iii), 2 – (i), 3 – (ii) (B) 1 – (i), 2 – (iii), 3 – (ii)
(C) 1 – (ii), 2 – (iii), 3 – (i) (D) 1 – (iii), 2 – (ii), 3 – (i)
5. The word ‘Secular’ was added in the Preamble by the 42nd Amendment to the Constitution of India in the year
(A) 1976 (B) 1974
(C) 1975 (D) 1977
6. Which of the following is India’s inland saline lake?
(A) Pulicat Lake (B) Sambhar Lake
(C) Chilka Lake (D) Karna Lake
7. The three dimensions of Global Multidimensional Poverty Index are
(A) Health, Education, Income (B) Health, Income, Development
(C) Health, Education, Living Standard (D) Health, Income, Living Standard
8. The Directorate of Forensic Science Service (DFSS) in India is a nodal organization of
(A) Ministry of Health & Family Welfare
(B) Ministry of Sciences
(C) Ministry of Home Affairs
(D) Ministry of Education
9. Who has been crowned Miss Universe for the year 2020?
(A) Janick Maceta (B) Andrea Meza
(C) Julia Gama (D) Adline Castelino
10. Chawnglaizawn is the popular folk dance of which community of Mizoram?
(A) Paite (B) Lai
(C) Mara (D) Hmar

11. Nepal shares a border with which of the Indian States
(A) West Bengal, Uttar Pradesh, Sikkim, Bihar, Himachal Pradesh
(B) Uttar Pradesh, Sikkim, Bihar, West Bengal, Jharkhand
(C) Bihar, West Bengal, Jharkhand, Uttarakhand, Himachal Pradesh
(D) Bihar, Uttarakhand, Uttar Pradesh, Sikkim, West Bengal
12. In what way can iodine be separated from a mixture of potassium chloride and iodine?
(A) Filtration (B) Sedimentation
(C) Distillation (D) Sublimation
13. Which of the following is the world's largest peninsula?
(A) Deccan peninsula (B) Indo-China peninsula
(C) Arabian peninsula (D) Alaskan peninsula
14. Why was January 26 selected as the date for the inauguration of the constitution?
(A) On that day Quit Indian Movement was started
(B) It was considered to be an auspicious day
(C) The Congress had observed it as the independence day in 1930
(D) It was the proposal of the Constituent Assembly
15. What is the full form of PAHOSS?
(A) Parking Aizawl Support Scheme (B) Parking House Support Scheme
(C) Public Housing Scheme (D) Parking and Housing Support Scheme
16. Who is regarded as the father of 'White Revolution' in India?
(A) Verghese Kurien (B) M.S. Swaminathan
(C) Har Gobind Khorana (D) None of these
17. The Rowlatt Act was passed in
(A) 1915 (B) 1905
(C) 1917 (D) 1919
18. Members of Rajya Sabha are elected according to
(A) cumulative vote system (B) single non-transferable vote system
(C) single transferable vote system (D) none of these
19. What is laissez-faire ?
(A) Mixed economy
(B) Controlled economy
(C) Socialist economy
(D) Non-interference of government in economic affairs
20. Green house gases are the main cause of
(A) global warming (B) depletion of ozone layer
(C) acid rain (D) smog
21. Optical fiber works on the principle of
(A) interference (B) total internal reflection
(C) refraction (D) scattering

22. Which of the following Mizo *Puan* has a G.I tag ?
(A) Mizo Puanchei (B) Ngotekherh
(C) Hmaram (D) All of these
23. The central Young Lushai Association committee resolved to change YLA to Young Mizo Association (YMA) on
(A) 7th October 1947 (B) 10th October 1948
(C) 7th October 1946 (D) 11th September 1949
24. In which of the following lists of the Indian Constitution is the subject of "Population Control and Family Planning" included ?
(A) Union List (B) Concurrent List
(C) State List (D) Residuary List
25. Consider the following :
1. A body at rest has no inertia
2. A body in free fall in vacuum has constant acceleration
3. A body in free fall in vacuum has diminishing kinetic energy
Which of the above statement(s) is/are correct?
(A) 1 and 2 only (B) 2 and 3 only
(C) 2 only (D) 1, 2 and 3
26. Which of these viruses cause cancer due to chronic infection?
(A) Herpes Simplex Viruses (HSV) (B) Human Papilloma Virus (HPV)
(C) Hepatitis B Virus (HBV) (D) Both (B) and (C)
27. Which article of the Indian Constitution has given special provision for the state of Mizoram?
(A) Article 371G (B) Article 35A
(C) Article 370G (D) Article 371A
28. Who was the President of the Constituent Assembly?
(A) Sardar Vallabhbhai Patel (B) Rajendra Prasad
(C) B.R. Ambedkar (D) Jawaharlal Nehru
29. Which Indian institute has developed an AI-powered drone to counter unregulated unmanned drones?
(A) Indian Institute of Sciences, Bangalore
(B) Council of Scientific and Industrial Research
(C) Indian Institute of Technology, Madras
(D) DRDO Laboratory
30. Who won the Oscar for Best Director in 2021?
(A) Steven Spielberg (B) Chloe Zhao
(C) Bong Joon-ho (D) Alfonso Cuarón
31. Which state is known as 'Sugar Bowl of India'?
(A) Uttar Pradesh (B) Bihar
(C) Andhra Pradesh (D) Punjab

32. The theme for the global 'International Women's Day 2021' was
(A) Choose to challenge (B) Gender Equality
(C) Women in the forefront (D) Realising Women's Rights
33. As per the latest World Economic Outlook released by IMF in April 2021, what would be India's growth rate in FY 22?
(A) 10.5% (B) 12.5%
(C) 14% (D) 16%
34. Who is the current Director General of World Health Organization?
(A) Dr. Matshidiso Moeti (B) Dr. Carissa Etienne
(C) Dr. Tedros Adhanom Ghebreyesus (D) Dr. Poonam Khetapal Singh
35. Which among the following statements on Prime Minister's Citizen Assistance and Relief in Emergency Situations Funds (PM CARES Fund) is/ are incorrect ?
1. Donation to PM CARES Fund would qualify for 80G benefits for 100% exemption under the Income Tax Act, 1961.
2. Donation to PM CARES Fund will not be qualified to be counted as Corporate Social Responsibility (CSR) expenditure under the Companies Act, 2013.
3. PM CARES Fund has also got exemption under the FCRA and a separate account for receiving foreign donations has been opened.
4. PM CARES Funds get budgetary support from Govt. of India.
(A) 1 and 2 (B) 2 and 3
(C) 2 and 4 (D) 3 and 4
36. Match the following :

<u>Country</u>	<u>Official Language</u>
1. Maldives	(i) Danish
2. Afghanistan	(ii) Dari
3. Denmark	(iii) Dhivehi

(A) 1 – (ii), 2 – (i), 3 – (iii) (B) 1 – (iii), 2 – (ii), 3 – (i)
(C) 1 – (ii), 2 – (iii), 3 – (i) (D) 1 – (iii), 2 – (i), 3 – (ii)
37. What is the Human Development Index (HDI) rank of India in 2020?
(A) 130 (B) 131
(C) 129 (D) 110
38. The first Covid-19 positive case in Mizoram was confirmed on
(A) 27th March, 2020 (B) 24th March, 2020
(C) 23rd March, 2020 (D) 23rd April, 2020
39. Which of the following items is kept outside GST?
(A) Lotteries (B) Gems and jewelry
(C) Alcohol for human consumption (D) Medicine
40. What does 'disguised unemployment' refer to?
(A) Unemployment among women
(B) More persons employed for a job which a few can accomplish
(C) Unemployment of people above 60 years of age
(D) Person with no job

41. Which of these have been awarded 'Book of the Year' by the Mizo Academy of Letters?
(A) Hringnun Hrualhru (B) Savun Kawrfual
(C) Ka Zalenna (D) All of these
42. COVAXIN – India's first indigenous COVID-19 vaccine was developed by Bharat Biotech in collaboration with
(A) Indian Council of Medical Research
(B) National Institute of Virology (NIV)
(C) Both (A) and (B)
(D) Neither (A) nor (B)
43. Match the following :
- | <u>Event</u> | <u>Year</u> |
|--|-------------|
| 1. Change of District name from 'Lushai' to Mizo | (i) 1946 |
| 2. Formation of Mizo Union | (ii) 1955 |
| 3. Abolition of Chief | (iii) 1954 |
- (A) 1 – (ii), 2 – (i), 3 – (iii) (B) 1 – (ii), 2 – (iii), 3 – (i)
(C) 1 – (iii), 2 – (i), 3 – (ii) (D) 1 – (iii), 2 – (ii), 3 – (i)
44. Kharif crops are sown during the months
(A) March - April (B) July - October
(C) October - November (D) January - February
45. What is the state tree of Mizoram?
(A) Nganbawm (B) Herhse
(C) Ngiau (D) Khiang
46. The 2030 agenda for Sustainable Development Goals (SDG) adopted by all United Nation Member States in 2015 has
(A) 16 Goals (B) 17 Goals
(C) 18 Goals (D) 19 Goals
47. The first President of the Indian National Congress was
(A) Gopal Krishna Gokhale (B) Lala Lajpat Rai
(C) Annie Besant (D) Womesh Chunder Bonnerjee
48. The happiest country in the world according to the UN World Happiness Report 2021 is
(A) Switzerland (B) Bhutan
(C) Finland (D) Iceland
49. Who among the Indian states and union territories has the highest NSDP per capita in 2020?
(A) Sikkim (B) Maharashtra
(C) Delhi (D) Goa
50. The hardest known substance is
(A) Copper (B) Steel
(C) Diamond (D) Graphite

51. **Select the correct indirect form of the given sentence.**
He said to me, "I shall stay here forever"
(A) He told me that he would stay there forever
(B) He told me that he would stayed there forever
(C) He told me that he should stay here forever
(D) He told to me that he should stayed there forever
52. **Select the most appropriate verb/preposition/article/conjunction/etc. to fill in the blank.**
He has helped them a lot _____ favours.
(A) by means of (B) because of
(C) by way of (D) inspite of
53. **Select the synonym of the given word.**
GALLANTRY
(A) Demise (B) Bravery
(C) Esteem (D) Cowardice
54. **Select the most appropriate meaning of the given idiom.**
A white elephant
(A) A rare species of elephant (B) An expensive gift
(C) A costly but useless possession (D) A valuable thing

Directions (Questions 55-59): Read the given passage carefully and answer the questions that follow. Your answers must be based on the passage only.

Our home stood behind the railroad tracks. Its skimpy yard was paved with black cinders. The only touch of green we could see was far away, beyond the track over where the white folks lived. However, cinders were fine weapons. All you had to do was crouch behind the brick pillars of a house with your hands full of gritty ammunition. And the first woolly black head you saw from behind another row of pillars was your target. It was fun. One day, the gang to which I belonged found itself engaged in a war with the white boys who lived beyond the tracts. As usual, we laid down our cinder barrage thinking this would wipe the white boys out. But they replied with a steady bombardment of broken bottles. We retreated. During the retreat, a broken milk bottle caught me behind the ear opening a deep gash. The sight of blood pouring over my face completely demoralized our ranks. My fellow combatants left me standing paralyzed in the centre of the yard and scurried for their houses. A kind neighbor saw me and rushed me to a doctor.

55. The locality where the author lived was
(A) behind a brick quarry
(B) near a coalmine
(C) far away from where the whites lived
(D) close to where the whites lived
56. The author used the cinders for
(A) weapons (B) cooking his food
(C) building houses (D) laying them on the railroads

57. The weapons used by the whites in gang fights were
(A) as effective as the author's (B) less effective than the author's
(C) more dangerous than the author's (D) as harmless as the author's
58. The author was hit by a broken bottle
(A) as soon as the fight began
(B) when the author's gang was withdrawing
(C) after the fight was over
(D) during the lull in the night
59. At the sight of the author's bloody wound, his friends
(A) were terrified (B) were filled with shame
(C) grew very angry (D) felt defeated and scared
60. **Select the antonym of the given word.**
INTRICATE
(A) Simple (B) Mixed
(C) Compound (D) Involved
61. **Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.**
When this war is over, no country will either be isolated in war or peace.
(A) will be either isolated in war or peace
(B) will be isolated either in war or peace
(C) No improvement
(D) will either be isolated in war or isolated in peace
62. **In the given sentence identify the segment which contains the grammatical error.**
On Saturday, Rina visited his professor to whom he had an appointment
(A) Rina visited his professor (B) an appointment
(C) to whom he had (D) On Saturday

Directions (Questions 63-67): *Read the given passage carefully and answer the questions that follow. Your answers must be based on the passage only.*

Great books do not spring from something accidental in the men who write them. They are the effluence of their very core, the expression of life itself to the author. Literature cannot be said to have served its true purpose until it has been translated into actual life of him who reads. It is a vast reservoir of true ideas and emotions. In a world deprived of literature, the broad, the noble, the generous tend to disappear and life would be correspondingly degraded because wrong idea and the petty emotions would never feel the upward pull of the ideas and emotions of genius. Only by conceiving a society without literature can it be clearly realized that the function of literature is to raise the ordinary towards the level of extraordinariness. Literature exists so that where a man has lived finely, ten thousand may afterwards, live finely. It is a means of life. It concerns a living essence.

63. How have great books been written?
(A) By men who think too much (B) By great men who write them
(C) By accidental means (D) By men who imagine sometimes

64. What does the word 'effluence of their very core' mean?
(A) Expression which is the outflow from the heart of the author
(B) Expression which is the influence from people's talk
(C) Expression of things that the author may have thought of
(D) Expression that the author wrote accidentally
65. Literature cannot be said to have served its true purpose until it has been _____ into actual life of persons who reads.
(A) transfigured (B) transgressed
(C) transmuted (D) translated
66. What is the function of literature?
(A) To make the extraordinary become ordinary
(B) To raise people's level
(C) To raise the ordinary to the level of extraordinariness
(D) To further raise the level of extraordinary people
67. If the world is deprived of literature, what would happen to the broad, the noble and the generous?
(A) They would worry themselves to petty issues
(B) They would be living free lives without care
(C) They would tend to disappear and life would be correspondingly degraded
(D) They would celebrate life
68. **Select the most appropriate verb/preposition/article/conjunction/etc. to fill in the blank.**
As I _____, the bell rang.
(A) am cooking (B) have cooked
(C) cooked (D) was cooking
69. **Select the antonym of the given word.**
FEASIBLE
(A) Impossible (B) Impractical
(C) Workable (D) Difficult
70. **Select the wrongly spelt word.**
(A) Grief (B) Fierce
(C) Piece (D) Sieze
71. **Given below are four jumbled sentences. Select the option that gives their correct order.**
(a) and did not know
(b) at midnight he was nervous
(c) when he heard the hue and cry
(d) what to do
(A) abcd (B) cbad
(C) bdac (D) dbac

Directions (Questions 72-76): Read the given passage carefully and answer the questions that follow. Your answers must be based on the passage only.

When we talk of education in our present age, we think largely in terms of schools and colleges. The man who is well-to-do spends money in sending his son to foreign lands, in the belief that some wonderful process will take place there transforming a dull fellow into a genius. Yet the products of expensive schools and universities often fail to make good. On the other hand, the poor man who has struggled against adversity often earns the highest honour. The fact is that, the true background of early education is the home. The home, the influence of the mother, the inspiring examples that are held before the child at an age while he is impressionable, are the true groundwork of character.

72. According to the passage, who or what helps in our character building?
(A) A foreign university (B) A well-to-do man
(C) Examples that inspire (D) A man who has earned honour
73. The proper background of early education is
(A) A school (B) A college
(C) A religious institution (D) The home
74. From the passage, we get the impression that the highest honour is earned by
(A) a man who has received education in a foreign country
(B) a man who has struggled against adversity
(C) a man who has seen prosperity alone
(D) the son of a prosperous man
75. A well-to-do man sends his son to foreign lands
(A) because it is the fashion of the day
(B) in the belief that his son will be transformed into a genius
(C) so that the son may learn the customs of those countries
(D) so that his son may become familiar with persons and places of those countries
76. The expression, “the products of expensive schools and universities often fail to make good” means
(A) they fail to make a mark in life (B) they fail to become intelligent
(C) they fail to earn proper living (D) they do not earn good reputation
77. **Select the most appropriate verb/preposition/article/conjunction/etc. to fill in the blank.**
I have not met him _____ two years
(A) of (B) since
(C) for (D) about
78. **Select the most appropriate meaning of the given idiom.**
By fits and starts
(A) Irregularly (B) Regularly
(C) Acknowledge (D) Rapidly

79. **Select the correct passive form of the given sentence.**

The doctor was examining the patients.

- (A) The patients were being examined by the doctor
- (B) The patients were examined by the doctor
- (C) The patients were examining by the doctor
- (D) The patients had been examined by the doctor

80. **In the given sentence identify the segment which contains the grammatical error.**

The blue lotus is one of the most beautiful flower that grows in her garden

- (A) one of the most beautiful flower
- (B) that grows
- (C) in her garden
- (D) The blue lotus is

Directions (Questions 81-85): Read the given passage carefully and answer the questions that follow. Your answers must be based on the passage only.

In May 1996, the World Health Organisation was authorized to initiate a global campaign to eradicate smallpox. The goal was to eradicate the disease in one decade. Because similar projects for malaria and yellow fever had failed, few believe that smallpox could actually be eradicated but eleven years after the initial organization of the campaign, no cases were reported in the field. The strategy was not only to provide mass vaccinations, but also to isolate patients with active smallpox. In order to contain the spread of disease and to break the chain of human transmission, rewards for reporting smallpox assisted in motivating the public to aid health workers. One by one, each smallpox victim was sought out, removed from contact with others and treated. At the same time, the entire village where the victim had lived was vaccinated. Today, smallpox is no longer a threat to humanity. Routine vaccinations have been stopped worldwide.

81. Which of the following is the best title for the passage?

- (A) The World Health Organisation
- (B) The eradication of smallpox
- (C) Smallpox vaccination
- (D) Infectious diseases

82. What was the goal of the campaign against smallpox?

- (A) To decrease the spread of smallpox worldwide
- (B) To eliminate smallpox worldwide in ten years
- (C) To provide mass vaccinations against smallpox worldwide
- (D) To initiate worldwide projects for smallpox, malaria and yellow fever at the same time

83. According to the passage, what was the strategy used to eliminate the spread of small pox?

- (A) Vaccination of the entire village
- (B) Treatment of individual victims
- (C) Isolation of victims and mass vaccinations
- (D) Extensive reporting of outbreaks

84. Eleven years after the initial organization of the campaign,
(A) smallpox was no longer a threat to humanity
(B) organization members changed their strategy
(C) more number of people had been victimized from smallpox
(D) smallpox, malaria and yellow fever has been eradicated
85. It can be inferred that
(A) no new cases of smallpox has been recorded this year
(B) malaria and yellow fever have been eliminated
(C) smallpox victims no longer die when they contract the disease
(D) smallpox is not transmitted from one person to another
86. **Select the most appropriate word to fill in the blank.**
Studying the current global political condition, some predict that World War III is _____.
(A) eminent (B) imminent
(C) immanent (D) nascent
87. **Given below are four jumbled sentences. Select the option that gives their correct order.**
(a) Everytime we meet, no hellos; just that
(b) Why can't he accept that I'm a rockstar?
(c) That's how my uncle greets me
(d) "Cut your hair, boy!"
(A) dcab (B) abcd
(C) adcb (D) dcba
88. **Select the word which means the same as the given phrase.**
Easily duped or fooled
(A) Insensible (B) Indefensible
(C) Perceptible (D) Gullible
89. **In the given sentence identify the segment which contains the grammatical error.**
He applied to many colleges and universities in the states and finally get some acceptance offers from them.
(A) He applied to many colleges
(B) and universities in the states
(C) and finally get some
(D) acceptance offers from them
90. **Select the most appropriate verb/preposition/article/conjunction/etc. to fill in the blank.**
The meeting, _____ was attended by all the members, lasted for an hour.
(A) whom (B) which
(C) what (D) who

Directions (Questions 91-95): Read the given passage carefully and answer the questions that follow. Your answers must be based on the passage only.

The achievement of science in the twentieth century has been very great. Its influence can be felt in every sphere of life. From the small pins and needles to the huge iron sheets and joints, most of the things we require for our everyday use, come out of factories while scientific principles are utilized for practical ends. Science has enabled man to bring forces of nature under control and to use them for his own advantage. It has brought the distant parts of the world close together. Our knowledge of the universe has been much widened on account of the untiring efforts of the astronomers like Jeans and Eddington. Remarkable cures of human disease have been possible owing to the discovery of some wonderful medicines.

91. The main idea of the passage is
(A) The impact of science can be felt in every sphere of life
(B) Science is an anathema
(C) Nothing is beyond the purview of science
(D) Science can work miracles
92. The mode of approach is
(A) logical (B) expository
(C) descriptive (D) anatomical
93. What has enabled man to harness the forces of nature to the advantage of mankind?
(A) Arts (B) Bravery
(C) Oratory (D) Science
94. Science has proven a great boon for
(A) scientists (B) artists
(C) explorers (D) mankind
95. The most appropriate title for the passage would be
(A) Science is a curse (B) Science - a great boon
(C) Achievement of science (D) None of these
96. **Select the most appropriate verb/preposition/article/conjunction/etc. to fill in the blank.**
_____ on the grass is forbidden.
(A) To walk (B) Walking
(C) Having walked (D) To be walked
97. **Select the word which means the same as the given phrase.**
To fall through
(A) To walk away (B) To be in discord
(C) To attack (D) To fail

98. **Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.**

We must adapt ourselves with the new environment.

- (A) No improvement (B) from the new environment
(C) to the new environment (D) by the new environment

99. **Select the synonym of the given word.**

WEARY

- (A) Fatigue (B) Sentimental
(C) Emotional (D) Careful

100. **Select the most appropriate word to fill in the blank.**

The convicted criminal _____ before he could be sentenced.

- (A) prejudiced (B) endured
(C) subsided (D) absconded