

MIZORAM PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATIONS FOR
JUNIOR GRADE OF MIZORAM AGRICULTURE SERVICE (MAS)
UNDER AGRICULTURE DEPARTMENT,
GOVERNMENT OF MIZORAM, JANUARY-FEBRUARY, 2024

PAPER - I

Time Allowed : 3 hours

FM : 200

All questions carry equal marks of 2 each.

Attempt all questions.

1. The state which attracts national and international attention because of the ethnic clash is
(a) Nagaland (b) Assam
(c) West Bengal (d) Manipur
2. The revival of Khalistan movement recently is traced to which of the following country?
(a) Canada (b) United Kingdom
(c) South Africa (d) France
3. Asian Games was hosted recently by
(a) Japan (b) South Korea
(c) China (d) None of these
4. The North East India based political party which is recognized by the Election Commission of India as national party now is
(a) NPF (b) NPP
(c) UDP (d) MPP
5. The state which has maximum number of MLA seats in India is
(a) Madhya Pradesh (b) Maharashtra
(c) Uttar Pradesh (d) Punjab
6. The armed group which is responsible for the outbreak of Israel-Palestine war at present is
(a) Fateh (b) Mujahedeen
(c) Hamas (d) None of these
7. The champion of World Cup Football at present is
(a) Argentina (b) Brazil
(c) France (d) Spain
8. The Defence Minister of India at present is
(a) Nirmala Sitharaman (b) Rajnath Singh
(c) Piyush Goyal (d) Narendra Singh Tomar
9. Which of the following country is not a member of the United Nations?
(a) Brunei (b) Croatia
(c) Taiwan (d) Maldives
10. Corona virus occurred for the first time in November, 2019 at
(a) Wuhan, China (b) Shanghai, China
(c) Beijing, China (d) None of these

11. The next Olympic Games will be held from 26 July to 11 August 2024 at
(a) Nice, France (b) Paris, France
(c) Toulouse, France (d) Dijon, France
12. M.S. Swaminathan was prominently known for
(a) White Revolution (b) Green Revolution
(c) Yellow Revolution (d) Red Revolution
13. Agriculture Minister of India at present is
(a) Arjun Munda (b) Nitin Gadkari
(c) Narendra Singh Tomar (d) Subrahmanyam Jaishankar
14. Macmohon Line is the line which marks the boundary between
(a) India and Pakistan (b) India and Bhutan
(c) India and Bangladesh (d) India and China
15. The Great Bath was found at the site of
(a) Kalibangan (b) Mohenjodaro
(c) Lothal (d) Harappa
16. Which one of the following is the earliest Veda?
(a) Yajur Veda (b) Atharva Veda
(c) Rig Veda (d) Sama Veda
17. The author of 'Arthashastra' was
(a) Kalidasa (b) Kautilya
(c) Megasthenes (d) Aryabhata
18. The most well-known ruler of North East-India in ancient India who was also a friend of Harshavardhana was
(a) Pulakesin (b) Bikendar Singh
(c) Surendra Varman (d) Bhaskaravarman
19. Which among the following, did not belong to the Delhi Sultanate?
(a) Safid Dynasty (b) Mamluk Dynsaty
(c) Lodi Dynsaty (d) Khilji Dynasty
20. The Mughals established their rule with the defeat of Ibrahim Lodi in the year
(a) 1206 (b) 1296
(c) 1526 (d) 1596
21. The decisive Battle between the English and the Nawab of Bengal fought in 1757 which eventually laid the foundation of the British rule in India was
(a) The Battle of Panipat (b) The Battle of Plassey
(c) The Battle of Buxar (d) The Battle of Wandiwash
22. Railways was introduced in India in the year
(a) 1851 (b) 1853
(c) 1856 (d) 1857
23. The official leader of the Revolt of 1857 was
(a) Rani Lakshmi Bai (b) Tantia Tope
(c) Nana Saheb (d) Bahadur Shah Zafar

24. The two leaders of the Home Rule Movement were
(a) Aurobindo Ghosh and Annie Besant (b) Bal Gangadhar Tilak and Lala Lajpat Rai
(c) Annie Besant and Bal Gangadhar Tilak (d) Annie Besant and Aurobindo Ghosh
25. The Simon Commission 1927 was rejected by Indians because
(a) No clause for Indian Legal System (b) No Indian member in the Commission
(c) The Commission was formed in England (d) Heavy restriction on Indian freedom
26. Direct Action Day occurred on
(a) 15th August 1945 (b) 16th August 1945
(c) 15th August 1946 (d) 16th August 1946
27. The volcanoes which continue to erupt periodically are called active volcanoes, most of the active volcanoes are found in:
(a) Circum Pacific Belt (b) Mid-Oceanic Ridges
(c) Plate margins (d) Plate Boundaries
28. The Himalayan River system comprises three major river system viz. Indus, Ganges and Brahmaputra. These rivers are typical examples of:
(a) Antecedent drainage (b) Consequent drainage
(c) Superimposed drainage (d) Subsequent drainage
29. Which one of the following pair is/are incorrectly matched:
1. Gochani - Wheat and Gram 2. Pondhani - Oilseed and Sugarcane
3. Gojhar - Rice and Maize 4. Gojai - Wheat and Barley
(a) 1 (b) 2
(c) 3 (d) 4
30. One of the main sources of moisture for crops in India is rainfall, areas having 30-75 cm of annual rainfall are known as:
(a) Semi-arid regions (b) Arid regions
(c) Humid regions (d) Semi-dry regions
31. Which state is known as the 'sugar bowl of India':
(a) Uttar Pradesh (b) Karnataka
(c) Maharashtra (d) Punjab
32. Match the following and select the correct codes:

Dams

- A. Sardar Sarovar
B. Bakra Nangal Dam
C. Krishna Raja Sagar Dam
D. Nagarjunasagar Dam
E. Narmada Dam

State

1. Gujarat
2. Karnataka
3. Himachal Pradesh
4. Madhya Pradesh
5. Andhra Pradesh

- Codes: A B C D E
(a) 4 2 5 3 1
(b) 4 3 2 5 1
(c) 1 3 2 5 4
(d) 4 3 5 2 4

33. 'El Nino' is a:
- (a) a cold current off the coasts of Peru and Ecuador
 - (b) a warm current off the coasts of Ecuador and Chile
 - (c) a cold current off the coasts of Chile and Peru
 - (d) a warm current off the coasts of Peru and Ecuador
34. The Dravidian languages are a language family spoken mainly in southern India and parts of eastern and central India, the largest speakers of Dravidian language is:
- (a) Malayalam
 - (b) Kannada
 - (c) Tamil
 - (d) Telegu
35. The soils of extra-Peninsular are formed due to the depositional work of rivers and wind. They are mainly found in the river valleys and deltas. They are often referred to as:
- (a) Transported or azonal soil
 - (b) Depositional or Zonal soil
 - (c) Transported or Alkaline soils
 - (d) Peaty and Marshy soils.
36. Raising of trees and agricultural crops on the same land which enables the farmer to obtain food, fodder, fuel, fruit and timber from the same plot of land refers to:
- (a) Commercial forestry
 - (b) Social forestry
 - (c) Agro forestry
 - (d) Non-commercial forestry
37. The fastest express train in India today which can run at a speed of 180km/hr is:
- (a) Gatimaan Express
 - (b) Bhopal Shatabdi
 - (c) Rajdhani express
 - (d) Vande Bharat Express

38. Match the following and select the correct codes:

<u>State</u>	<u>Crop</u>
A. Assam	1. Jowar
B. Karnataka	2. Tea
C. Tamil Nadu	3. Coffee
D. West Bengal	4. Rubber
E. Maharashtra	5. Rice

Codes: A B C D E

- (a) 3 2 1 4 5
- (b) 2 3 5 4 1
- (c) 1 4 5 2 3
- (d) 2 3 4 5 1

39. Who was the Chairman of Constitution Drafting Committee of the Constituent Assembly of India?
- (a) Dr Rajendra Prasad
 - (b) Dr B.R. Ambedkar
 - (c) Dr S. Radhakrishnan
 - (d) Sachidananda Sinha
40. Who is the Presiding Officer of the Rajya Sabha?
- (a) Vice President of India
 - (b) Senior most member of the Rajya Sabha
 - (c) Minister of Parliamentary Affairs
 - (d) None of these
41. National Emergency due to war, external aggression and armed rebellion is incorporated in which article number of the constitution of India?
- (a) Article 352
 - (b) Article 355
 - (c) Article 356
 - (d) Article 360

42. Which of the following amendments of the constitution of India is also known as mini-constitution?
- (a) Constitution Fortieth Amendment Act, 1976
 - (b) Constitution Forty First Amendment Act, 1976
 - (c) Constitution Forty-Second Amendment Act, 1976
 - (d) Constitution Forty-Third Amendment Act, 1977
43. Who is the Supreme Commander of Armed Forces in India?
- (a) Chief of Army staff
 - (b) Home Minister
 - (c) Field Marshal
 - (d) President of India
44. Any part of the constitution of India can be amended without touching
- (a) Preamble
 - (b) Fundamental rights
 - (c) Centre-state relation
 - (d) Basic structure
45. The Constitution of India was adopted by the Constituent Assembly on
- (a) 14th August, 1947
 - (b) 15th August, 1947
 - (c) 26th November, 1949
 - (d) 26th January, 1950
46. Article 1 of the Constitution of India describes India as a
- (a) Federal state
 - (b) Union of State
 - (c) Unitary state
 - (d) None of these
47. Zilla Parishad is in which of the following tier in the Panchayati Raj structure as per the Constitution Seventy-Third Amendment Act, 1992.
- (a) Highest tier
 - (b) Middle tier
 - (c) Bottom tier
 - (d) None of these
48. Right to property in the constitution of India belongs to which of the following rights?
- (a) economical rights
 - (b) political rights
 - (c) Social rights
 - (d) legal rights
49. A person who is not a member of Parliament can be appointed as a member of the Council of Ministers but he must acquire membership of either House of Parliament within a period of
- (a) One year
 - (b) Three months
 - (c) Three years
 - (d) Six months
50. The first state in India to implement Panchayati Raj was
- (a) Mydhya Pradesh
 - (b) Rajasthan
 - (c) Maharshttra
 - (d) Punjab
51. At the central government level, which agency has been assigned the role of overseeing the implementation of SDGs in India?
- (a) Ministry of Statistics & Programme Implementation
 - (b) Ministry of Finance
 - (c) Niti Aayog
 - (d) Ministry of Rural Development
52. Which of the following option is not incorporated as Sustainable Development Goals?
- (a) No Poverty
 - (b) Zero Hunger
 - (c) Life Below Water
 - (d) Food Safety

53. Consider the following statement (s) related to sustainability, which statement is/are correct?
- I. It refers to a process or state that can be maintained indefinitely.
 - II. Natural resources must use in ways that do not create ecological debts by over exploiting the carrying and productive capacity of the earth.
 - III. A minimum necessary condition for sustainability is the maintenance of the total natural capital stock at or above the current level.
- (a) Only I (b) Only II
(c) Only II & III (d) I, II & III
54. Which state in India has the lowest child sex ratio as per Census 2011?
- (a) Rajasthan (b) Uttar Pradesh
(c) Bihar (d) Haryana
55. Which among the following is not included in the policy framework of National Population Policy?
- (a) Imparting free and compulsory school education above 14 years of age
(b) Reducing infant mortality rate
(c) Achieving universal immunization of children against all vaccine preventable diseases
(d) Making family welfare a people centered program
56. Which of the following organisation maintains the Stand-Up India Portal?
- (a) SIDBI (b) IFCI
(c) RRBs (d) SEBI
57. Which of the following is not a feature of the Pradhan Mantri Jan Dhan Yojana?
- (a) No provision of minimum balance accounts
(b) Accidental insurance cover of Rs. 3 lakh
(c) Issuance of RuPay debit cards
(d) It is run by Department of Financial Services, Ministry of Finance
58. Consider the following statements:
1. MGNREGS fulfils the constitutional rights in India.
 2. MGNREGA is to be implemented mainly by gram panchayats.
 3. Due to Covid-19 impacts, the government has increased the number of work days under MGNREGS to 120 days from 100 days for the period 2021-22.
- Which of the above statements are correct?
- (a) 1, 2 (b) 1, 3
(c) 2, 3 (d) 1,2 and 3
59. _____ is often used for measuring poverty in relative sense.
- (a) HDI (b) Gini co-efficient
(c) Poverty line (d) Monthly per capita expenditure
60. The current international poverty line per person according to World Bank is
- (a) \$1.50 a day (b) \$1.90 a day
(c) \$2.15 a day (d) \$2.50 a day
61. The estimated minimum level of income needed to secure the necessities of life is known as
- (a) Poverty line (b) Below poverty line
(c) Poverty gap (d) Poverty ratio

62. What is the main aim of financial inclusion?
- (a) To maintain a certain of liquid assets with themselves at any point of time
 - (b) To control money supply in the economy
 - (c) To include parts of income in the total expenditure
 - (d) To provide banking services to all sections of the society
63. Which statement is Incorrect with respect to the food chain?
- (a) Every component of the food chain forms a trophic level
 - (b) Inter-relation between different food chains is known as a food web
 - (c) The energy flow is bidirectional along the food chain
 - (d) All the chains formed by nutritional relations is used to understand energy flow
64. According to Raymond Lindeman, the transfer of energy from one trophic level to another trophic level is about-
- (a) 90%
 - (b) 80%
 - (c) 50%
 - (d) 10%
65. Species that originally live and thrive in a particular place are called –
- (a) Keystone species
 - (b) Exotic species
 - (c) Native species
 - (d) Invasive Species
66. Identify the mismatched pair
- (a) Tundra – Permafrost
 - (b) Savanna – Epiphytes
 - (c) Tropical Forest – Drip tips
 - (d) Coniferous forest – Evergreen trees
67. Which of these is a suitable example of in-situ conservation?
- (a) National park
 - (b) Botanical Garden
 - (c) Animal Zoo
 - (d) In vitro bank
68. The greatest Biodiversity on Earth is in-
- (a) Eastern Himalaya, India
 - (b) African grasslands
 - (c) Amazonian rain forest, South America
 - (d) Western Ghat, India
69. The category of threatened species include:
- (a) Only vulnerable species.
 - (b) Only endangered species
 - (c) Endangered and rare species
 - (d) Endangered, vulnerable and rare species
70. Which among the following statement is Incorrect about a Biodiversity Hotspot?
- (a) It has high level of exotic species
 - (b) It has at least 1500 species of vascular plants as endemics
 - (c) It must have lossed about 70% or more of the original habitat
 - (d) It is threatened with destruction
71. Which gas among the following Greenhouse Gases has the highest value for Global Warming Potential (GWP)?
- (a) Carbon dioxide
 - (b) Methane
 - (c) Nitrous oxide
 - (d) Fluorinated gases
72. Which of the following is related to Ozone formation?
- (a) Photosynthesis process
 - (b) Chemosynthesis process
 - (c) Photochemical process
 - (d) Hydrolysis process

73. The use of fossil fuel is responsible for the increase of which gas in the atmosphere?
(a) Nitrogen (b) Carbon dioxide
(c) Ozone (d) Argon
74. Which of the following gas is released from rice fields in the most quantity?
(a) Carbon dioxide (b) Methane
(c) Carbon monoxide (d) Sulphur dioxide
75. The source of energy in light-independent photosynthesis is
(a) adenosine triphosphate (b) photon
(c) oxygen (d) carbon dioxide
76. Vaccines in the blood are recognized by which type of cells?
(a) erythrocytes (b) B lymphocytes
(c) Basophils (d) T lymphocytes
77. The "God particle" is a popular term used to refer to
(a) Higgs boson (b) neutrino
(c) quark (d) fermion
78. RNA can be differentiated from DNA by the presence of
(a) thymine (b) guanine
(c) uracil (d) adenine
79. In biology, synapsis is a term that describes
(a) the terminal of neurone where neurotransmitters are released
(b) the pairing of homologous chromosome during prophase I
(c) attachment site of the connective tissues to the bones
(d) mating behaviour in birds that uses specific pheromones
80. The term "https" used in internet is for
(a) searching websites to their exact server location (b) preventing intrusions like bugs and viruses
(c) enhancing connection speed (d) secure communication over networks
81. *Saccharomyces cerevisiae* is famous for its use in
(a) genetic studies of inherited diseases (b) cultivation of exotic plants
(c) making of bread and alcohol (d) preservation of seeds in *in vitro* culture
82. The Himalayas are formed because of a collision between the Eurasian Plate and the Indian Plate, the phenomenon known as
(a) subversion (b) convergent boundaries
(c) divergent boundaries (d) continental subduction
83. RTS,S and R21/Matrix-M are vaccines adopted by the World Health Organization for the prevention of
(a) malaria (b) coronaviruses
(c) dengue (d) AIDS
84. Chandrasekhar limit is related to the
(a) maximum speed of light in a vacuum or space (b) distance between stellar objects
(c) mass of a white dwarf star (d) relative force of attraction between two planets
85. Rock salt is nothing but a natural form of
(a) sodium hydroxide (b) calcium carbonate
(c) asphalt (d) sodium chloride

86. CRISPR-Cas9 is used for
(a) *in vitro* fertilization (b) genome editing
(c) drug delivery in the blood (d) making COVID-19 vaccine
87. The name of a farewell ceremony organized by deceased person's family three months after the person's death is:
(a) thihthiap (b) thitin
(c) thihdil (d) thihual
88. What is the sacrifice one has to perform in order to appease Sih huai?
(a) Sih Sam (b) Sih Hai
(c) Sih Siam (d) Sih Thian
89. Which of these ceremony is associated with Thangchhuah?
(a) Mitthi rawp lam (b) Daibawl
(c) Ar khal (d) Khuangpui-zam
90. An offering made to the god of sun and rain is called:
(a) Vansen (b) Hnuaipui
(c) Chung (d) Vanchung khal
91. Using black dye called *ling*, the first design Mizo learnt to weave was called
(a) Hmaram (b) Ngotekherh
(c) Pawndum (d) Hnawkkhal
92. The front room in the house of a Mizo chief for his *bawi* retainers is called
(a) Bahzar (b) Sumhmun
(c) Dawvan (d) vanlung
93. The name of a ceremony performed while awaiting burial of a man who killed a tiger during life is called
(a) Sapui thawn (b) aisan lak
(c) Changchi vawr (d) thihthiap ven
94. Who introduced potato farming in Mizoram?
(a) H.W.G. Cole (b) J. Shakespeare
(c) A. Parteons (d) A.W. Davis
95. Lots of human bones have been found and kept in
(a) Far puk (b) Puanvawrh puk
(c) Lamsial puk (d) Tan Lasi puk
96. To solve a crime between two persons: what is the method commonly used by the primitive Mizo people?
(a) Zawlzawng thlah (b) Laksang pek
(c) Thihthiap ven (d) Tuichhe in
97. A traditional Mizo musical instrument made of three small bamboos, having three different sizes which produces three musical notes is called-
(a) Bengbung (b) Mauchang
(c) Theirual (d) Darbu
98. *Dawnkawn* is associated with which of the following liquor?
(a) Tinzu (b) Zufang
(c) Rakzu (d) Zupui

99. The term *Ngawidawh* in Mizo traditional society relates with-
- (a) Farming
 - (b) Hunting wild animals
 - (c) Trapping birds
 - (d) Fishing
100. A temporary house in which the family lives during the weeding season, when the jhum is at a great distance from the village is called-
- (a) Ram-hual
 - (b) Thlawh-bawk
 - (c) Leng-tlawn
 - (d) Rap-in

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