MIZORAM PUBLIC SERVICE COMMISSION

GENERAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO THE POST OF

U.D.C. UNDER HOME (FORENSIC) DEPARTMENT

FEBRUARY, 2019

PAPER - II

Section A - General Knowledge - 75 Marks
Section B - Simple Arithmetic - 25 Marks

Time Allowed : 3 hours Full Marks : 100

All questions carry equal marks of 1 each.
Attempt all questions.

SECTION - A
(General Knowledge - 75 Marks)

1. Mizo National Front (MNF) chief Zoramthanga was sworn in as the Chief Minister of Mizoram by Governor K Rajasekharan on-
   (a) 12th December 2018 (b) 15th December 2018
   (c) 16th December 2018 (d) 17th December 2018

2. The controversial Citizenship (Amendment) Bill 2016 seeks to provide Indian citizenship to non-Muslims from which of the following countries?
   (a) Bangladesh, Pakistan and Afghanistan. (b) Nepal, Bangladesh and Pakistan
   (c) Bhutan, Bangladesh and Pakistan (d) Bangladesh, Nepal and Bhutan

3. Tuirial Hydro Electric plant has an installed capacity of
   (a) 5MW (b) 60MW
   (c) 40MW (d) 12 MW

4. Where was the 3rd ASEAN (Association of south East Asian Nations) India Business submit held on 27th November, 2018?
   (a) New Delhi (b) Jakarta
   (c) Beijing (d) Kuala Lumpur

5. Scheduled Tribes living in Scheduled areas of India does not pay-
   (a) Value Added Tax (b) Goods and Service Tax
   (c) Income Tax (d) Central Excise Tax

6. The 2019 Non-Resident Indian Day is observed on which city?
   (a) Varanasi (b) Gandhinagar
   (c) Kolkata (d) Bengaluru

7. Prof. Gita Gopinath, an Indian origin personality has joined which institution as its first female Chief Economist?
   (a) World Bank (b) ADB
   (c) IMF (d) Bank of America
8. Kamal Nath is the Chief Minister of
   (a) Manipur               (b) Maharashtra
   (c) Madhya Pradesh       (d) Odisha

9. Blue revolution is the intense growth of ____________ technology.
   (a) Fishing               (b) Aquaculture
   (c) horticulture         (d) silvipasture

10. Name the country that has the highest number of children and teens with HIV positive in South Asia, as per the children, HIV and AIDS; The world in 2030 report released by UNICEF
    (a) Thailand             (b) China
    (c) India                (d) Malaysia

11. The leading person of the White revolution in India was
    (a) Dr. Vergheese Kurien (b) Norman Borlaug
    (c) Shalihotra           (d) M.S. Swaminathan

12. Which Politician was awarded as ‘Best Women Parliamentarian – Rajya Sabha’ by Vice President M.Venkaiah Naidu, in New Delhi on 13th December 2018?
    (a) Sushma Swaraj       (b) Mamata Banerjee
    (c) Vasundhara Raje     (d) Kanimozhi

13. Who was sworn in as Venezuelan President for the 2nd term on 11th January 2019?
    (a) Nicolas Maduro      (b) Rasmus Henry
    (c) Stephen Hejlsberg    (d) Mike Delfino

14. Reserve Bank of India (RBI) has approved which country’s Pasargad Bank to open branches in Mumbai for easing trade related transactions on 2019?
    (a) Afghanistan          (b) Myanmar
    (c) Egypt                (d) Iran

15. Who became the first person to be declared a ‘fugitive economic offender’ under Section 12 of the Fugitive Economic Offenders’ Act, 2018 by a special Prevention of Money Laundering Act (PMLA) Court in Mumbai in the year 2019?
    (a) Nirav Modi           (b) Amarinder Prathap
    (c) Vijay Mallya         (d) Dinesh Wadia

16. Delhi High Court has ruled that section ____________ of the Indian Penal Code can be used by transgender persons to register complaints of sexual harassment?
    (a) Section 354A        (b) Section 255B
    (c) Section 123C        (d) Section 198D

17. Which state got a separate high court on 1st January 2019 which is the 25th high court of India?
    (a) Telangana            (b) Mizoram
    (c) Sikkim               (d) Andhra Pradesh

18. The rank of India on the Corruption Perceptions Index 2018 is
    (a) 68th                 (b) 78th
    (c) 88th                 (d) 98th

19. When do we celebrate National Voters’ Day in India?
    (a) 25 January           (b) 26 January
    (c) 27 January           (d) 28 January
20. A new Naval Air Base ‘INS Kohassa’ was commissioned recently at which place?
   (a) Kerala  (b) Goa  (c) Tamil Nadu  (d) Andaman & Nicobar

21. Former Union Minister George Fernandes passed away on January 29, 2019. He served which Ministry under the Atal Bihari Vajpayee-led NDA government?
   (a) Railways Ministry  (b) Finance Ministry  (c) Defence Ministry  (d) Commerce Ministry

22. Porcine Reproductive and Respiratory Syndrome (PRRS), which is in news recently, is related to which of the following animals?
   (a) Birds  (b) Chicken  (c) Pigs  (d) Horse

23. India’s unemployment rate hit a 4 decade high to what percent in 2017-18 as per PLFS survey by National Sample Survey Office (NSSO)?
   (a) 5.7 %  (b) 7.5 %  (c) 8.5 %  (d) 6.1 %

24. National Eligibility cum Entrance Test (NEET) is an entrance examination in India who wish to study graduate and post graduate courses in
   (a) Engineering colleges  (b) Medical and dental colleges  (c) Computer technology  (d) Space technology

25. Mizoram declared itself Open Defecation Free state in the month of
   (a) July 2017  (b) July 2016  (c) June 2000  (d) July 2018

26. Which state in India has become the first state to enact a Law banning sexual exploitation of women by those in positions of authority having a fiduciary relationship or a public servant?
   (a) Maharashtra  (b) Haryana  (c) Jammu and Kashmir  (d) Telangana

27. Where did President Ram Nath Kovind inaugurate the 12th Global Healthcare Summit on 28th December 2018?
   (a) Kolkata  (b) New Delhi  (c) Mumbai  (d) Mysore

28. Which was the first city to introduce ROADEO, the robot which will assist the pedestrians, especially children while crossing the roads on 14th January 2019?
   (a) Kolkata  (b) Pune  (c) Agra  (d) New Delhi

29. Which of the following international personalities was the Chief guest at the 2019 Republic Day parade of India?
   (a) Mauricio Macri  (b) Ashraf Ghani  (c) Petro Poroshenko  (d) Cyril Ramaphosa

30. Which state chief minister launched ‘one family one job’ scheme on January 12, 2019?
   (a) Sikkim  (b) Telangana  (c) Gujarat  (d) Meghalaya
31. Which city traffic Police launched the Mobile application named ‘Police-E-Eye’ for the public to report on traffic violations to police and to keep a check on the same, on 7th January 2019?
   (a) Nagpur, Maharashtra  (b) Calicut, Kerala
   (c) Coimbatore, Tamil Nadu  (d) Darjeeling, West Bengal

32. The tropical cyclone ‘Pabuk’ has recently strucked
   (a) Philippine  (b) Malaysia
   (c) Indonesia  (d) Thailand

33. Name the country that passed a law to make Islam compatible with socialism and ‘sinicize’ it within next 5 years?
   (a) Japan  (b) North Korea
   (c) China  (d) Myanmar

34. Which country introduced a new “GAFA tax” named after Google, Apple, Facebook and Amazon to ensure that the companies pay a fair share of taxes in Europe, on 1st January 2019?
   (a) Italy  (b) Germany
   (c) France  (d) Switzerland

35. Who was sworn in as the 42nd president of Brazil?
   (a) Fernando Haddard  (b) Richard Hadley
   (c) Rufus Maynard  (d) Jair Bolsonaro

36. Where is the world’s oldest yoga institute, whose centenary celebrations were inaugurated by President Ram Nath Kovind?
   (a) New Delhi  (b) Ahmedabad
   (c) Chennai  (d) Mumbai

37. The biggest economy in the world in terms of GDP purchasing power parity is
   (a) India  (b) USA
   (c) Japan  (d) China

38. Which of the following countries have launched a common digital currency “Aber”?
   (a) Qatar and Bahrain  (b) UAE and Saudi Arabia
   (c) Qatar and UAE  (d) UAE and Iran

39. Which city was named as the world capital of Architecture for 2020 by UNESCO?
   (a) Tokyo  (b) Beijing
   (c) Brasilia  (d) Rio de Janeiro

40. The country where at least 68 people died due to the storm Usman on December 30, 2018.
   (a) Philippines  (b) Bangladesh
   (c) Indonesia  (d) Oman

41. Who is appointed as the new Chief Information Commissioner?
   (a) Bimal Julka  (b) Sudhia Bhargava
   (c) Deepak Sandhu  (d) Sushma Singh

42. The first archaeological excavation site in Mizoram is Kawtchhuah ropui at
   (a) Vangchhia  (b) Vaphai
   (c) Farkawn  (d) Dungtlang
43. The bill which aims at making the Islamic practice of instant divorce a penal offence and passed in the Lok Sabha recently is
   (a) Triple talaq bill  (b) Citizenship Amendment Bill
   (c) The Islamic Women (Protection) Bill  (d) None of these

44. The Luminaries is written by
   (a) Eleanor Catton  (b) Hilary Mantel
   (c) Julian Barnes  (d) David Grossman

45. ‘Playing it my Way’ is an autobiography by
   (a) C. Ronaldo  (b) Virat Kohli
   (c) Sachin Tendulkar  (d) Roger Federer

46. Biography of Napoleon was written by
   (a) Andrew Roberts  (b) John Lahr
   (c) Walter Isaacson  (d) Jung Chang

47. Name the author of the book ‘Ka Lungkham’?
   (a) JF Laldailova  (b) B.Lalthangliana
   (c) R.L Thanmawia  (d) Laltluangliana Khiangte

48. Who wrote the ‘Satanic verses ’?
   (a) Salman Rushdie  (b) Charles Darwin
   (c) Jane Austen  (d) Pope John Paul II

49. ‘India wins freedom’ is an autobiography of
   (a) L.K. Advani  (b) SC Bose
   (c) Rajendra Prasad  (d) Abdul Kalam Azad

50. Who wrote the book: The Paradoxical Prime Minister: Narendra Modi and His India-
   (a) Shashi Tharoor  (b) Sanjay Baru
   (c) Piyush Goyal  (d) Ravi Mantha

51. The ICC has suspended which Indian bowler from bowling in International Cricket?
   (a) Jasprit Bumrah  (b) Umesh Yadav
   (c) Ambati Rayudu  (d) Mohammed Shami

52. British’s Andy Murray announced his retirement from which sport on 11th January 2019
   (a) Tennis  (b) Cricket
   (c) Football  (d) Basketball

53. Thomas Cup is related to-
   (a) Tennis  (b) Cricket
   (c) Basketball  (d) Badminton

54. Which of the following city is going to host Asian Games 2022?
   (a) New Delhi  (b) Tokyo
   (c) Kuala Lumpur  (d) Hangzhou

55. Lalremsiami is associated with which of the following sports?
   (a) Boxing  (b) Football
   (c) Athletics  (d) Hockey
56. Which country won the first Men’s Hockey World Cup championship at the 14th edition of the Hockey World Cup, held in Bhubaneswar, Odisha from 28th November to 16th December 2018?
   (a) Belgium  (b) France  (c) Netherland  (d) India

57. Who is the winner of India’s first Gold Medal at the 2018 Summer Youth Olympics in Buenos Aires?
   (a) Srihari Nataraj  (b) Mahuli Ghosh  (c) Jeremy Lalrinhunga  (d) Mannav Thakkar

58. What is the full form of ‘CBSE’?
   (a) Common Board of Secondary Education  (b) Code for Business and Statistical Education  
   (c) Central Board of Secondary Education (d) Centre for Business and Statistical Environment

59. What is the full form of ATM?
   (a) Air to Missile  (b) All Through Market  (c) Ascii Transmission Method  (d) Automated Teller Machine

60. MUP stands for:
   (a) Mizo Upa Pawl  (b) Zoram Upa Pawl  (c) Mizoram Upa Pawl  (d) None of these

61. INTERPOL stands for:
   (a) International Criminal Police Organisation  (b) International Political Conference  
   (c) International Association of Police Officers  (d) None of these

62. GST, introduced by Government of India is
   (a) General Surveying Team  (b) Geology Surveying Team  (c) Goods and Services tax  (d) General Service in Transport

63. AVBD full form is
   (a) Association of Voluntary Blood Donation  (b) Association for Voluntary Blood Donation  
   (c) Association with Voluntary Blood Donation (d) None of these

64. Which rainforest is sometimes called as the “lungs of the Earth,” and produces about 20 percent of the world’s oxygen?
   (a) Nile rainforest  (b) Pacific rainforest  (c) Amazon rainforest  (d) Mississippi rainforest

65. Which is called ‘Isle of Pearls’?
   (a) Egypt  (b) Iraq  (c) Iran  (d) Bahrain

66. ‘Pink City’ is the title assigned to:
   (a) Jaipur  (b) Shillong  (c) Bengaluru  (d) Mysore

67. Which is called ‘Flower garden of Europe’?
68. Silicon valley of India is
   (a) Bengaluru  (b) Hyderabad  (c) Gurgaon  (d) Jamshedpur

69. Finland is also called
   (a) Land of the midnight sun  (b) Land of thousand elephants  (c) Playground of Europe  (d) Land of thousand lakes

70. Gateway of India is
   (a) Delhi  (b) Chennai  (c) Mumbai  (d) Kolkata

71. Who was conferred with the 2019 Bharat Ratna award India’s highest civilian honor?
   (a) Pranab Mukherjee  (b) Manmohan Singh  (c) P.Chidambaram  (d) Raghuram Rajan

72. Who was crowned as Miss India Worldwide 2018 at 27th annual global pageant held in the Fords city of New Jersey, United States, on 15th December 2018?
   (a) Sakshi Sinha  (b) Shree Saini  (c) Anusha Sareen  (d) Roopa Hebbar

73. Who was the first Mizo to win Padma Bhusan Award?
   (a) Capt. LZ Sailo  (b) P.S. Chawngthu  (c) James Dokhuma  (d) A. Sawihlira

74. Who was the first recipient of Bharat Ratna?
   (a) Dr. S. Radhakrishnan  (b) Jawaharlal Nehru  (c) Mahatma Gandhi  (d) Indira Gandhi

75. Arjuna Award is given to which of the following field?
   (a) Literature  (b) Education  (c) Music  (d) Sports

76. Who won Nobel Prize (Peace) in 2018?
   (a) Rodrigo Duterte  (b) Nawaz Sharif  (c) Denis Mukwege, Nadia Murad  (d) Donald Trump, Roger Kornberg

77. The Nobel Peace Prize 2018 was awarded jointly to
   (a) Arthur Ashkin and Gerard Maurow  (b) James P. Allison and Tasuku Honjo  (c) Denis Mukwege and Nadia Murad  (d) None of these

78. 8th Social Entrepreneur of the Year 2018 went to
   (a) Prema Gopalan  (b) Dr. Aditi Sen De  (c) Dr. Nitin Saxena  (d) Dr. Amit Agarwal

79. Inventor of Telescope
   (a) William Stanley  (b) Hans Lippershey  (c) Charles Parson  (d) Philo Farnsworth

80. Who invented Atoms?
81. Inventor of Calcium
   (a) Casimir funk (b) Cern
   (c) John Dalton (d) Eli Whitney

82. Laptop is introduced by
   (a) Ray Tomlinson (b) Paul Villard
   (c) Humphry Davy (d) John Dalton

83. Who invented Penicillin?
   (a) Dresser (b) Louis Pasteur
   (c) Edward Jenner (d) Alexander Fleming

84. Car (petrol) is invented by
   (a) Nicholas Cugnot (b) Karl Benz
   (c) John Harrison (d) Edwin T. Holmes

85. Ball point pen is invented by
   (a) Laszio Biro (b) John J. Loud
   (c) Gyorgy (d) Eberhard Faber

86. Paper clip is invented by
   (a) Johan Vaaler (b) Cornelius J. Brosnan
   (c) John Ireland Howe (d) Marvin Stone

87. America is discovered by
   (a) Henry the Navigator (b) Christopher Columbus
   (c) Hernan Cortes (d) Marco Pollo

88. Who invented Web?
   (a) Ted Nelson (b) Tim Berners-Lee
   (c) Mike Sendall (d) Bill Gates

89. Which of the following is a temporary memory?
   (a) ROM (b) RAM
   (c) Both A&B (d) None of these

90. One Tera byte (1TB) is equal to:
   (a) 1028 GB (b) 1012 GB
   (c) 1024 GB (d) 1000 GB

91. The printed output from a Computer is called
   (a) Copy (b) Soft copy
   (c) Hard Copy (d) Paper

92. If a computer provides database services to other, then it will be known as?
   (a) Web server (b) Application server
   (c) Database server (d) FTP server

93. Who is known as father of Computer?
94. WAN stands for:
   (a) Wide Area Network   (b) World Area Network
   (c) Wireless Area Network   (d) None of these

95. The resolution of a printer is measured in:
   (a) Dots per pixel   (b) Dots per Inch
   (c) Inches   (d) None of these

96. The most popular Desktop Publishing (DTP) software in Mizoram is
   (a) PageMaker   (b) Microsoft word
   (c) Microsoft Excel   (d) Window fax & Scan

97. A computer stores information in the
   (a) Read Only Memory (ROM)   (b) Random Access Memory (RAM)
   (c) Hard Disk   (d) SD Card

98. You create a new document. You want to copy the texts to other document. After selecting texts on the first document, you have to press a combination of keys on the other document:
   (a) Control key + S and then Control key + C on the other document
   (b) Control key + C and then Control key + P
   (c) Shift key + P and then Alt key + C
   (d) Alt key + C and Alt key + P

99. To print the given document, the keyboard shortcut is
   (a) Shift Key + P   (b) Alt key + P
   (c) Control key + P   (d) F1 key

100. Windows is
   (a) A Device Driver   (b) Graphic User Interface
       (c) An Operating System   (d) An Application software

SECTION - B
(Simple Arithmetic - 25 Marks)

101. The value of $30 - 5 \times 2$ of $3 + (19 - 3) \div 8$ is
   (a) 3   (b) 8
   (c) 2   (d) 10

102. What percent of 25 kg is 3.5 kg?
   (a) 14 %   (b) 12 %
   (c) 10 %   (d) 5 %

103. The volume of a cube having edge 5 cm is
   (a) 25 cm$^3$   (b) 50 cm$^3$
   (c) 100 cm$^3$   (d) 125 cm$^3$

104. The sum of two numbers is 27 and their product is 182. Then, the numbers are
105. The cost of 5 metres of a particular type of cloth is Rs 210. The cost of 13 metres of the same type of cloth is
(a) Rs 420  
(b) Rs 546  
(c) Rs 630  
(d) Rs 800

106. Biaka paid Rs 424 for a pair of shoes worth Rs 400. The rate of sales tax is
(a) 4 %  
(b) 5 %  
(c) 6 %  
(d) 8 %

107. If \( \frac{2x}{3} + 1 = \frac{7x}{15} + 3 \), then the value of \( x \) is
(a) 6  
(b) 10  
(c) 15  
(d) 30

108. An aeroplane uses 500 kg of fuel in 10 minutes. How much fuel is needed for one and half hour?
(a) 4500 kg  
(b) 4700 kg  
(c) 5000 kg  
(d) 5100 kg

109. The cost of 5 pens and 2 pencils is Rs 85, and the cost of 3 pens and 2 pencils is Rs 55. The cost of 1 pen is
(a) Rs 20  
(b) Rs 18  
(c) Rs 16  
(d) Rs 15

110. Which one is the sides of a right triangle?
(a) 2 cm, 3 cm, 4 cm  
(b) 3 cm, 4 cm, 5 cm  
(c) 4 cm, 5 cm, 6 cm  
(d) 5 cm, 6 cm, 7 cm

111. A and B together can do a piece of work in 10 days, while B alone can finish it in 30 days. In how many days can A alone finish the work?
(a) 10 days  
(b) 15 days  
(c) 25 days  
(d) 30 days

112. The class mark of the class \( 140 - 160 \) is
(a) 140  
(b) 145  
(c) 150  
(d) 160

113. The 10th term of the AP \( 6, 9, 12, \ldots \) is
(a) 33  
(b) 36  
(c) 39  
(d) 42

114. A card is selected at random from a well shuffled deck of 52 playing cards. The probability of its being a face card is
(a) \( \frac{9}{13} \)  
(b) \( \frac{6}{13} \)  
(c) \( \frac{4}{13} \)  
(d) \( \frac{3}{13} \)

115. Addition of \( 3x^2 - 3xy + y^2, 7x^2 + 4xy - 2y^2 \) and \( 5x^2 + y^2 \) is
116. The highest mark obtained by a student in a class is twice the lowest marks plus 7. If the highest score is 87, then the lowest score is
(a) 40  (b) 47
(c) 80  (d) 94

117. In a computer lab, there are 3 computers for every 6 students. The number of computers needed for 24 students is
(a) 6  (b) 9
(c) 12  (d) 15

118. The length of a diagonal of a rectangle whose adjacent sides are 6m and 8m long is
(a) 2m  (b) 10m
(c) 14m  (d) 48m

119. Khuma lent Rs 8,000 to his friend Mawia for 3 years at the rate of 5 % per annum compounded annually. The amount Khuma gets after 3 years is
(a) Rs 8,500  (b) Rs 9,000
(c) Rs 9261  (d) Rs 9861

120. The multiplicative inverse of a rational number \( \frac{x}{y} \) is
(a)  \( \frac{x}{y} \)  (b)  \( \frac{y}{x} \)
(c) \( \frac{y}{x} \)  (d) \( \frac{x}{y} \)

121. In a group of 850 people, 600 can speak English and 340 can speak Mizo. Number of people who can speak Mizo only is
(a) 250  (b) 300
(c) 320  (d) 340

122. The square root of \( \frac{1}{6} \) is
(a) \( \frac{1}{2} \)  (b) \( \frac{1}{4} \)
(c) \( \frac{5}{4} \)  (d) \( \frac{5}{2} \)

123. The perimeter of a square is 44 cm. Then the area of the square is
(a) 44 cm\(^2\)  (b) 88 cm\(^2\)
(c) 121 cm\(^2\)  (d) 176 cm\(^2\)

124. Lala bought a book for Rs 600 and sold it for Rs 750, his gain percent is
(a) 40 %  (b) 35 %
(c) 30 %  (d) 25 %

125. Two men starting from the same point walk at the rate of 4 km/hr and 4.5 km/hr respectively. If they walk in opposite directions, then the distance between them after 4 hours is
(a) 34 km  (b) 30 km
(c) 8.5 km  (d) 5 km