MIZORAM PUBLIC SERVICE COMMISSION

GENERAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO THE POST OF U.D.C. UNDER SOCIAL WELFARE DEPARTMENT
JUNE, 2018

PAPER - II

\[
\begin{align*}
&\text{Section A - General Knowledge - 75 Marks} \\
&\text{Section B - Simple Arithmetic - 25 Marks}
\end{align*}
\]

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. Who is the current Chief Minister of Meghalaya?
   (a) Conrad Sangma  
   (b) D.D. Lapang  
   (c) Mukul Sangma  
   (d) Donkupar Roy

2. Which city will host the 2024 Summer Olympics?
   (a) New Delhi  
   (b) Los Angeles  
   (c) Sydney  
   (d) Paris

3. Where is the headquarters of the National Film Development Corporation of India (NFDC)?
   (a) New Delhi  
   (b) Pune  
   (c) Kochi  
   (d) Mumbai

4. The 2017 International Day of Older Persons is observed on which date?
   (a) October 2  
   (b) October 4  
   (c) October 1  
   (d) October 3

5. Which country has officially recognized Jerusalem as the capital of Israel?
   (a) Japan  
   (b) United Kingdom  
   (c) United States  
   (d) Pakistan

6. How many Mizos have received the Padma Shree Awards till date?
   (a) 19  
   (b) 21  
   (c) 20  
   (d) 22

7. The first ISO Certificate in NE India Hospital was given to which Civil Hospital?
   (a) Shillong  
   (b) Aizawl  
   (c) Imphal  
   (d) Agartala

8. Who has been appointed as the new CEO and MD of Infosys?
   (a) Vishal Sikka  
   (b) S.D. Shibulal  
   (c) Pravin Rao  
   (d) Salil S. Parekh
9. Sukharanjan Sengupta, who passed away recently, was associated with which field?
   (a) Politics  (b) Law
   (c) Journalism  (d) Film Industry

10. Who is the current Prime Minister of Bangladesh?
   (a) Sajeeb Wazed  (b) Sheikh Hasina
   (c) Abdul Hamid  (d) Khaleda Zia

11. The world’s biggest toilet pot model was launched in which Indian State?
   (a) Haryana  (b) Uttar Pradesh
   (c) Odisha  (d) Punjab

12. Lalji Singh, the father of Indian DNA fingerprinting has passed away. He hailed from which state?
   (a) Tamil Nadu  (b) Uttar Pradesh
   (c) Karnataka  (d) Odisha

13. Jana Novotna is associated with which sports?
   (a) Cricket  (b) Boxing
   (c) Tennis  (d) Weightlifting

14. Which country does the newly crowned Miss Universe 2017 Demi-Leigh Nel-Peters hails from?
   (a) South Africa  (b) Venezuela
   (c) Jamaica  (d) Cambodia

15. India enters Guinness Records with over 918 kg of what type of food?
   (a) Rabari  (b) Biryani
   (c) Pakoda  (d) Khichdi

16. Fire has recently destroyed the oldest archaeological site located in which country?
   (a) Brazil  (b) Peru
   (c) Egypt  (d) India

17. Who authored the book “Pride and Prejudice”?
   (a) Jane Austen  (b) Emily Bronte
   (c) J.K. Rowling  (d) Agatha Christie

18. Which novel is authored by Salman Rushdie?
   (a) The Good Soldier  (b) Satanic Verses
   (c) A Passage to India  (d) Native Son

19. The number of players in each side in Water Polo is
   (a) 6  (b) 8
   (c) 7  (d) 9

20. Who won the 2017 Shanghai Masters Tennis Tournament?
   (a) Juan Martin del Potro  (b) Dominic Thiem
   (c) Rafael Nadal  (d) Roger Federer

21. What is the full form of URL?
   (a) Uniform Resource Locator  (b) Universal Resource Locator
   (c) User Resource Locator  (d) Unified Resource Locator
22. What is the full form of MAMCO?
   (a) Mizoram Agroforestry Market Corporation  (b) Mizo Agriculture Market Corporation
   (c) Mizoram Agricultural Marketing Corporation  (d) Mizo Agroforestry Market Corporation

23. What is the full form of LAN?
   (a) Local Area Network  (b) Logical Area Network
   (c) Link Area Network  (d) Layer Area Network

24. Which country is known as ‘Land of White Elephant’?
   (a) India  (b) Thailand
   (c) Pakistan  (d) Bhutan

25. Which country is called ‘Land of the Rising Sun’?
   (a) Norway  (b) China
   (c) Japan  (d) India

26. Which one is known as ‘Pink City’?
   (a) Jaipur  (b) Mumbai
   (c) Kolkatta  (d) Varanasi

27. Who among the following is awarded The Best FIFA Football Awards, 2017?
   (a) Cristiano Ronaldo  (b) Lionel Messi
   (c) Zinedine Zidane  (d) Wayne Rooney

28. Who has been named Person of the Year for 2017 by the Time Magazine?
   (a) The Silence Breakers  (b) The Protesters
   (c) The Dreamers  (d) The Whistleblowers

29. Pulitzer Prize is awarded for outstanding work in the field of
   (a) Science & Technology  (b) International Outstanding
   (c) Environmental Studies  (d) Literature & Journalism

30. The steam engine was invented by
   (a) William Stockes  (b) Sir Joseph Swann
   (c) J.E. Lundstrom  (d) James Watt

31. Roentgen discovered
   (a) Electrocardiograph  (b) Anti polio vaccine
   (c) X-rays  (d) Encephalograph

32. Modem is a short form of:
   (a) Modulation Demolition  (b) Module Demolition
   (c) Modulator Demodulator  (d) Module Demodulator

33. Group of 8 bits are called
   (a) Binary  (b) Bites
   (c) Byte  (d) Octrant

34. The operating system is a
   (a) System Software  (b) Utility Software
   (c) Application Software  (d) Malware
35. The most popular device for computer games is called
   (a) Track Ball  (b) Joystick
   (c) Glide Pad  (d) Touch Screen

36. Who is the author of ‘We, Indians’?
   (a) Arundhati Roy  (b) Amartya Sen
   (c) APJ Abdul Kalam  (d) Khushwant Singh

37. Who is the author of ‘Being Mizo: Identity and belonging in Northeast India’?
   (a) Dr. Rohmingmawii  (b) Prof. Margaret L. Pachuau
   (c) J. Pachuau  (d) Joy Lalkrawspari Pachuau

38. Winner of 2017 ATP World Tour Finals
   (a) Rafael Nadal  (b) Roger Federer
   (c) Grigor Dimitrov  (d) David Goffin

39. Full form of TCP/IP
   (a) Transmission Control Programme/ Internet Protocol
   (b) Transmission Control Protocol/ Internet Protocol
   (c) Transit Control Protocol/ Internet Protocol
   (d) Transmission Controlling Protocol/ Internet Protocol

40. Which of the following ocean current is known as ‘River in the Sea’?
   (a) Labrador current  (b) Canary current
   (c) Benguela current  (d) Gulf Stream

41. Jacques Dubochet, Joachim Frank and Richard Henderson are the winners of Nobel Prize 2017 in the discipline of-
   (a) Chemistry  (b) Medicine
   (c) Physics  (d) Economics

42. An Indian Engineer who invented ‘automatic sluice gate’ is-
   (a) Visvesvaraya  (b) Srinavasa Ramanujan
   (c) Salim Ali  (d) Homi J. Bhaba

43. An example of word processor application software is-
   (a) Microsoft Word  (b) Microsoft Power Point
   (c) Microsoft Excel  (d) Microsoft SQL Server

44. The most widely used web protocol is
   (a) html  (b) url
   (c) isp  (d) http://

45. What is HDMI?
   (a) Hard-Disk Media Interface  (b) High-Definition Multimedia Interface
   (c) Hardware Disk Media Interface  (d) High-Downlink Multimedia Interface

46. How much fund has been released by the Central Government as compensation to states for revenue loss following implementation of Goods and Services Tax (GST)?
   (a) Rs 8696 Crore  (b) Rs 8697 Crore
   (c) Rs 8698 Crore  (d) Rs 8699 Crore
47. World Food Day was observed across the world on?
   (a) 16th October (b) 17th October
   (c) 18th October (d) 19th October

48. World Tourism Day was celebrated across the world on? (Since 1980, the United Nations World Tourism Organization is celebrating World Tourism Day).
   (a) 24th September (b) 25th September
   (c) 26th September (d) 27th September

49. Who has been elected as the 14th President of India?
   (a) Pratiba Patil (b) Pranab Mukherjee
   (c) Ram Nath Kovind (d) A.P.J Abdul Kalam

50. Donald John Trump has been sworn in as the __________ President of United States of America.
   (a) 42 (b) 43
   (c) 44 (d) 45

51. Swachh Bharat Abhiyan campaign in India was launched on?
   (a) 2 July, 2014 (b) 2 Aug, 2014
   (c) 2 Sep, 2014 (d) 2 Oct, 2014

52. 10th South Asia Economic Summit held in which city?
   (a) Delhi (b) Lagos
   (c) Bangkok (d) Kathmandu

53. The 2017 North East Development Summit (NEDS) was held in
   (a) Manipur (b) Sikkim
   (c) Assam (d) Tripura

54. Which ministry won Bronze medal at the India International Trade Fair 2017?
   (a) Ministry of Health Affairs (b) Ministry of Corporate Affairs
   (c) Ministry of External Affairs (d) Ministry of Telecommunication

55. Which is the most visited place of the world as declared by ‘World Book of Records’?
   (a) Taj Mahal (b) Agra Fort
   (c) Golden Temple (d) Lotus Temple

56. Which day is celebrated as the ‘World Toilet Day’?
   (a) 19th November (b) 19th September
   (c) 19th August (d) 19th October

57. Which state has approved an Act to confiscate and forfeit the properties of drug offenders?
   (a) Punjab (b) Haryana
   (c) Himachal Pradesh (d) Rajasthan

58. Where in India is the first offshore desalination Plant is getting built?
   (a) Mumbai (b) Chennai
   (c) Vishakhapatnam (d) Kovalam

59. Which is the top country in the world according to the Global Climate Risk Index to face extreme weather conditions?
   (a) Haiti (b) Fiji
   (c) Sri Lanka (d) Vietnam
60. Which Indian currency note has completed its 100 years in 2017?
   (a) 1 rupee note          (b) 2 rupee note
   (c) 5 rupee note          (d) 10 rupee note

61. Who is the newly appointed chairman of the Mizoram Youth Commission?
   (a) T.Sangkunga          (b) KS Thanga
   (c) Joseph Lalhlimpuiua     (d) R.Vanlalvena

62. What is the theme of World AIDS day, 2017?
   (a) Awareness to people   (b) Remove the AIDS
   (b) Right to life         (d) My health, my right

63. Name the only Indian who was on Fortune’s ‘Business Person of the Year 2017’ list?
   (a) Shiv Nadar        (b) Aditya Puri
   (c) Azim Premji      (d) Lakhmi Mittal

64. ‘Discovery of India’ is the/a
   (a) Biography of Mahatma Gandhi (b) Autobiography of Jawaharlal Nehru
   (c) Biography of Jawaharlal Nehru (d) History book by Jawaharlal Nehru

65. The famous Test Cricket venue ‘Eden Gardens’ is located in-
   (a) Mumbai          (b) Goa
   (c) Chennai        (d) Kolkata

66. Name the Japanese sports which means ‘empty hand’?
   (a) Taekwondo   (b) Karate
   (c) Skiing       (d) Wrestling

67. WWW stands for?
   (a) World Whole Web   (b) Wide World Web
   (c) Web World Wide   (d) World Wide Web

68. In which of the following form, data is stored in computer?
   (a) Decimal   (b) Binary
   (c) Hexa Decimal   (d) Octal

69. Who was the founder of Bluetooth?
   (a) Ericsson (b) Martin Cooper
   (c) Steve Jobs   (d) Jaap Haartsen

70. Insulin was invented by-
   (a) Ronald Ross   (b) Frederick Banting
   (c) Edward Jenner   (d) Selman Waksman

71. Who invented Hydrogen Bomb?
   (a) Edward Teller (b) Samuel Cohen
   (c) Albert Einstein   (d) J. Oppenheimer

72. ZPM stands for?
   (a) Zoram Public Movement   (b) Zoram Peoples’ Movement
   (c) Zoram Party Movement   (d) Zoram Pradesh Movement
73. Which is the highest gallantry award in India?
   (a) Bharat Ratna  (b) Kirti Chakra
   (c) Param Vir Chakra  (d) Vir Chakra

74. Which city is called the ‘Little Pakistan’?
   (a) Cairo  (b) Dhaka
   (c) Bradford  (d) Chicago

75. Which one is description of cache?
   (a) File transfer  (b) Web browsers
   (c) Browser history  (d) Temporary internet file

Section - B
(Simple Arithmetic - 25 Marks)

76. If A : B = 2 : 3 and B : C = 4 : 5 then A : C is -
   (a) 2 : 4  (b) 3 : 5
   (c) 8 : 15  (d) 10 : 12

77. Which term of the AP 5, 9, 13, 17, _________ is 81?
   (a) 81  (b) 93
   (c) 101  (d) 110

78. Divide 180 in the ratio 1:2:9 is -
   (a) 5:10:165  (b) 15:30:135
   (c) 1:2:9  (d) 180:360:1620

79. A wire looped in the form of a circle of radius 28 cm. It is rebent into a square form. Then the length
    of the side of the square is -
   (a) 22 cm  (b) 33 cm
   (c) 44 cm  (d) 55 cm

80. Which of the following is the greatest rational number-
   (a) \(\frac{4}{9}\)  (b) \(\frac{-5}{12}\)
   (c) \(\frac{7}{18}\)  (d) \(\frac{-2}{3}\)

81. Two numbers are in the ratio 5:8. If the sum of the numbers is 182. The numbers are -
   (a) 70 and 112  (b) 75 and 112
   (c) 70 and 122  (d) 75 and 122

82. A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction
    of the work left is -
   (a) \(\frac{1}{4}\)  (b) \(\frac{1}{10}\)
   (c) \(\frac{7}{15}\)  (d) \(\frac{8}{15}\)
83. The present worth of Rs 9900 due 1 year hence at 10% p.a. compounded annually is -
   (a) Rs. 9000   (b) Rs. 9100
   (c) Rs. 9800   (d) Rs. 10000

84. A loan Rs. 3,12,000 is returned in three equal annual instalments of Rs. 1,10,000 each. The total interest charged is -
   (a) Rs. 3,30,000   (b) Rs. 1,04,000
   (c) Rs. 18,000   (d) Rs. 19,970

85. Pi Muani, whose grade pay is Rs. 4400, has a pay of Rs. 17600 in the pay band. If Dearness Allowance is calculated at the rate of 136%, her D.A will be -
   (a) Rs 23930   (b) Rs 29920
   (c) Rs 28330   (d) Rs 23580

86. The length of the longest pole that can be put in a room of dimension (10m × 10m × 5m) is -
   (a) 10 m   (b) 12 m
   (c) 15 m   (d) 16 m

87. In a group of 65 people, 40 like apple, 10 like both apples and bananas. the number of people who like bananas only is -
   (a) 25   (b) 35
   (c) 50   (d) 75

88. The sum of the first 100 natural numbers is -
   (a) 4650   (b) 4750
   (c) 5000   (d) 5050

89. If cost of 15 books be Rs. 105, the cost of 3 dozen books is -
   (a) Rs. 315   (b) Rs. 525
   (c) Rs. 252   (d) Rs. 540

90. A man walking at the rate of 3 km/hr crosses a square field diagonally in 2 minutes. The area of the field is -
   (a) 2500 m²   (b) 3000 m²
   (c) 5000 m²   (d) 6000 m²

91. The number of cubes of side 2 cm that can be formed from a cube of side 6 cm is -
   (a) 6   (b) 9
   (c) 12   (d) 27

92. A can do a piece of work in 10 hours, while B can do the same work in 6 hours. B worked at it for 4 hours. How long will A take to finish the remaining work?
   (a) 3 hours   (b) 3 hours 20 minutes
   (c) 3 hours 50 minutes   (d) 5 hours

93. If the ratio of boys and girls in a class is 7:5, which of the following can not be the total number of students -
   (a) 36   (b) 60
   (c) 120   (d) 50
94. A can do a piece of work in 15 days and B can do it in 20 days. If they work together for 6 days, then the remaining work is -

(a) \(\frac{7}{60}\) \hspace{1cm} (b) \(\frac{3}{10}\)

(c) \(\frac{6}{7}\) \hspace{1cm} (d) \(\frac{2}{10}\)

95. \(\sqrt{10} \times \sqrt{15}\) is equal to -

(a) \(5\sqrt{6}\) \hspace{1cm} (b) \(6\sqrt{5}\)

(c) \(5\sqrt{3}\) \hspace{1cm} (d) \(6\sqrt{5}\)

96. The population of a town is 10,000. It is increased by 10% during the first year. During the second year, it is decreased by 20% and increased again by 30% during the third year. What is the population after 3 years?

(a) 11,440 \hspace{1cm} (b) 11,400

(c) 13,000 \hspace{1cm} (d) 12,000

97. The value of ‘x’ in a proportion of 5 : 15 :: 2 : x is -

(a) 6 \hspace{1cm} (b) 37.5

(c) 30 \hspace{1cm} (d) 10

98. The sum of two numbers is 18. The sum of their reciprocals is \(\frac{1}{8}\). Then the numbers are –

(a) 12 and 18 \hspace{1cm} (b) 4 and 6

(c) 9 and 18 \hspace{1cm} (d) 6 and 12

99. \(\frac{4}{\sqrt{7} + \sqrt{3}} = ?\)

(a) 1 \hspace{1cm} (b) \(\frac{4}{\sqrt{7}}\)

(c) \(\sqrt{7} - \sqrt{3}\) \hspace{1cm} (d) \(4(\sqrt{7} - \sqrt{3})\)

100. Liana bought a TV for Rs. 44,000. Then Sale Tax 5% charged on it. Then, the price before Sales tax is -

(a) Rs. 42,000 \hspace{1cm} (b) Rs. 43,000

(c) Rs. 40,000 \hspace{1cm} (d) Rs. 41,000

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