MIZORAM PUBLIC SERVICE COMMISSION

GENERAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO THE POST OF
UPPER DIVISION CLERK (U.D.C.) UNDER VARIOUS DEPARTMENT
(H&FW, S&YS AND DP&AR 'TRAINING WING' (A.T.I.)),
GOVERNMENT OF MIZORAM. AUGUST, 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. The youngest Member of Parliament in the 17th Lok Sabha is:
   (a) Dushyant Chautala   (b) Chandrani Murmu
   (c) Tejasvi Surya   (d) Nusrat Jahan

2. How many women Member of Parliament are there in the 17th Lok Sabha?
   (a) 78   (b) 79
   (c) 80   (d) 81

3. Who is the Minister in Charge of the Ministry of North Eastern Region in the Modi 2.0 government?
   (a) Jitendra Singh   (b) Gen. V.K. Singh
   (c) Paban Singh Ghatowar   (d) Bijoy Krishna Handique

4. A submarine known as INS Vela belongs to:
   (a) Type 212 Submarine   (b) Soryu Class Submarine
   (c) Agosta Class Submarine   (d) Scorpene Class Submarine

5. Match the following:

Operation	**Place**
A. Nandankanan Zoological Park	1. Junagadh
B. Nehru Zoological Park	2. Mumbai
C. Sakkarbaug Zoological Park	3. Bhubaneshwar
D. Jijamata Udyan	4. Hyderabad

Choose the correct answer from below

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

6. The International Day of United Nations Peacekeepers is observed every year on:
   - (a) 28 May
   - (b) 29 May
   - (c) 30 May
   - (d) 31 May

7. Indian Air Force (IAF) and Indian Space Research Organization (ISRO) have signed a Memorandum of Understanding (MoU) for astronaut selection and training which is known as:
   - (a) Aakash Programme
   - (b) Vayumandal Programme
   - (c) Gaganyaan Programme
   - (d) Baadal Programme

8. The real name of PS Golay who has defeated the longest serving Sikkim Chief Minister Pawan Chamling was:
   - (a) Prem Singh Tamang
   - (b) Padamjit Singh Tamang
   - (c) Prakash Singh Tamang
   - (d) Pawan Singh Tamang

9. Reserve Bank of India has removed the charges levied on fund transfers through NEFT and RTGS on the recommendation of:
   - (a) Ratan Watal-led Committee
   - (b) Nachiket Mor-led Committee
   - (c) Nandan Nilekani-led Committee
   - (d) Sunil Mehta-led Committee

10. Sahiwal, Gir, Red Sindhi, Tharparkar and Rathi are:
    - (a) Lamb breeds
    - (b) Pig breeds
    - (c) Goat breeds
    - (d) Cattle breeds

11. Which domestic carriers in India have the largest fleet in 2019?
    - (a) Air India
    - (b) IndiGo
    - (c) Spicejet
    - (d) GoAir

12. The country which emit the largest quantity of Ozone depleting CFC-11 is:
    - (a) USA
    - (b) China
    - (c) India
    - (d) Russia

13. The species of Snake known as 'rain-loving snake' recently discovered in Mizoram is:
    - (a) Smithophis Atemporalis
    - (b) Smithophis Bicolor
    - (c) Smithophis Natricine
    - (d) Smithophis Malabar

14. Pakistan's nuclear capable ballistic missile series known as Shaheen is named after:
    - (a) Mountain Goat species
    - (b) Owl species
    - (c) Falcon species
    - (d) Deer species

15. Which country in the world is the first to declare a climate emergency?
    - (a) France
    - (b) Britain
    - (c) Ireland
    - (d) Netherland

16. 'Even though Mercury is closer to the Sun than Venus, Mercury is colder.' What is the reason?
    - (a) Lack of magnetic field
    - (b) It has more Carbon dioxide
    - (c) Greeenhouse effect
    - (d) It has fumes of Sulphuric Acid

17. Strait of Hormuz is located between:
    - (a) Morocco and Spain
    - (b) Russia and Alaska
    - (c) Malaysia and Indonesia
    - (d) Iran and Oman

18. Pepsico Inc had sued few Indian farmers as they illegally cultivated a Potato variety known as:
    - (a) DC5
    - (b) GC5
    - (c) FC5
    - (d) HC5

19. The first country in Asia to legalise same sex marriage is:
  (a) Japan
  (b) Taiwan
  (c) Hongkong
  (d) Macau

20. In which city is the cost of riding metro and bus free for women?
  (a) Kolkata
  (b) Delhi
  (c) Chennai
  (d) Mumbai

21. Which institute has recently announced the creation of the Amartya Sen Chair in Inequality Studies?
  (a) Harvard Kennedy School
  (b) Oxford University
  (c) Standford University
  (d) London School of Economics and Political Science

22. Which Asian nation has been suspended from participating in the Arab League?
  (a) Palestine
  (b) Jordan
  (c) Irag
  (d) Syria

23. Match the following:

Chief Minister	**State**
A. Naveen Patnaik	1. Telengana
B. K.Chandrasekhar Rao	2. Andhra Pradesh
C. Trivendra Singh Rawat	3. Odisha
D. Y.S.Jaganmohan Reddy	4. Uttarakhand

Choose the correct answer from below

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24. Which international financial institution is involved with the Indian metro projects?
  (a) Asian Development Bank
  (b) World Bank
  (c) International Monetary Fund
  (d) BRICS

25. According to the World's Bank Survey conducted by Forbes Magazine the bank ranked top by the customers in India is:
  (a) State Bank of India
  (b) Yes Bank
  (c) HDFC Bank
  (d) ICICI Bank

26. National Panchayati Raj Day is observed every year on:
  (a) 21st April
  (b) 22nd April
  (c) 23rd April
  (d) 24th April

27. Which airport was named as the Best Airport in the World according to the Skytrax Word Airport Awards?
  (a) Changi Airport
  (b) Beijing Airport
  (c) Dubai International Airport
  (d) Heathrow Airport

28. Which among the following city in India has the highest availability of 4G according to a survey by 'Open Signal'?

   (a) Bangalore   (b) Hyderabad

   (c) Dhanbad   (d) Gurgaon

29. Vangchhia became Mizoram's first archaeological protected site in the year:

   (a) 2011   (b) 2012

   (c) 2013   (d) 2014

30. How many rural development blocks are there in Mizoram?

   (a) 23   (b) 24

   (c) 25   (d) 26

31. Mizoram got statehood on:

   (a) 26th January, 1986   (b) 30th January, 1986

   (c) 20th February, 1987   (d) 21st January, 1971

32. The number of Notified Towns in Mizoram is:

   (a) 20   (b) 21

   (c) 22   (d) 23

33. The longest south-ward flowing river in Mizoram is:

   (a) Khawthlangtuipui   (b) Chhimtuipui

   (c) Tiau   (d) Tuichâng

34. How many cabinet ministers are there in the current Mizo National Front government?

   (a) 4   (b) 5

   (c) 6   (d) 7

35. Match the following:

__Minister__	__Portfolio__
A. Zoramthanga	1. Disaster Management & Rehabilitation
B. Tawnluia	2. Horticulture
C. Lalchamliana	3. Commerce & Industry
D. R.Lalthangliana	4. Personnel & Administrative Reforms

Choose the correct answer from below

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

36. The book 'Celestial Bodies' is authored by:

   (a) Jokha Alharthi   (b) Lydia Davis

   (c) Alice Munro   (d) Laszlo Krazsnahorkai

37. 'In Our Mad and Furious City' is a book written by:

   (a) Nana Kwame Adjei-Brenyah   (b) Zoe Gilbert

   (c) Guy Gunaratne   (d) Louisa Hall

38. Who has written a book known as 'The Nine Dots Prize'?

    (a) Aravind Adiga   (b) Annie Zaidi

    (c) Arundhati Roy   (d) Anita Desai

39. The book 'Solo' is authored by:

    (a) Upamanyu Chatterjee   (b) Twinkle Khanna

    (c) Amit Chaudhuri   (d) Rana Dasgupta

40. Match the following:

Name of Books	**Author**
A. Runlum Nuthai	1. L.Z. Sailo
B. Ka Lungkham	2. B.Lalthangliana
C. Sihlipui	3. Romuanpuii Zadeng
D. Savun Kawrfual	4. Lalhmingchhuanga Zongte

Choose the correct answer from below

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(c)	2	4	1	3
(d)	1	2	3	4

41. Who has become the first Indian to become a member of FIFA Executive Council?

    (a) Priya Ranjan Das Munshi   (b) Praful Patel

    (c) Kushal Das   (d) Sunando Dhar

42. Who has won the Sudirman Cup – 2019?

    (a) China   (b) Japan

    (c) Denmark   (d) South Korea

43. Who is the Men's Shot Put Gold Medal winner from India in the recently concluded Asian Athletics Championship at Doha?

    (a) Madan Lal   (b) Om Prakash Singh

    (c) Tejinder Pal Singh Toor   (d) Inderjeet Singh

44. The highest sporting honour of India is:

    (a) Rajiv Gandhi Khel Ratna Award   (b) Dronachayra Award

    (c) Arjuna Award   (d) Dhyan Chand Award

45. Who is the incumbent Minister of Youth Affairs and Sports?

    (a) Rajyavardhan Singh Rathore   (b) Vijay Goel

    (c) Jitendra Singh   (d) Kiren Rijiju

46. Who are the member Countries of BIMSTEC?

    (a) Bangladesh, India, Myanmar, Sri Lanka, Thailand, England, China Economic Co-operation

    (b) Bangladesh, India, Malaysia, Singapore, Thailand, England, China Economic Co-operation

    (c) Bangladesh, India, Myanmar, Sri Lanka, Thailand, Nepal and Bhutan Economic Co-operation

    (d) Bangladesh, India, Maldives, Singapore and Thailand Economic Co-operation

47. The full form of PUBG is:

    (a) Player Underground Battle Ground   (b) Player Unknown Battle Ground

    (c) Player Ultimate Battle Ground   (d) Player Uncharted Battle Ground

48. The full form of the abbreviation ARIIA is:

    (a) Atal Ranking of Institutions on Innovation Achievements

    (b) Acharya Research Institute on International Academics

    (c) Administrative Research Institute on Integrated Aptitude

    (d) Ambedkar Research Initiatives on Academic Innovation

49. India's supersonic cruise missile 'Brahmos' is the portmanteau of:

    (a) Brahmaputra and Osered   (b) Brahmaputra and Osuga

    (c) Brahmaputra and Osaka   (d) Brahmaputra and Moskva

50. What is the full form of MUCO Bank?

    (a) Mizoram Urban Co-operative Bank

    (b) Mizoram Urban Co-operative Development Bank

    (c) Mizoram Urban Co-operative Development Bank Ltd.

    (d) Mizoram Urban Development and Co-operative Bank Ltd.

51. Which of the states is known as the Spice Garden of India?

    (a) West Bengal   (b) Andhra Pradesh

    (c) Kerala   (d) Maharashtra

52. Which place is known as Bengal's Sorrow?

    (a) Damodar River   (b) Kosi River

    (c) Hooghly River   (d) Teesta River

53. Which city is known as 'Venice of the East'?

    (a) Jakarta   (b) Kuala Lumpur

    (c) Bangkok   (d) Macau

54. Which country is known as the Buffer State of Asia?

    (a) Mongolia   (b) Afghanistan

    (c) Turkey   (d) Palestine

55. Which city is known as the 'City of Cosmonauts'?

    (a) Los Angeles   (b) San Francisco

    (c) Moscow   (d) New York

56. Who has been appointed as India's National Security Adviser?

    (a) Shivshankar Menon   (b) M.K. Narayanan

    (c) Brajesh Mishra   (d) Ajit Doval

57. UN Secretary-General has recently appointed ambassador for UN Sustainable Development Goals from India namely:

    (a) Priyanka Chopra   (b) Dia Mirza

    (c) Aishwarya Rai   (d) Sushmita Sen

58. The 16 year old climate activist from Sweden who was conferred with Amnesty International Ambassador of Conscience Award 2019 is:

    (a) Greta Thunberg   (b) Harry Belafonte

    (c) Colin Kaepernick   (d) John Baez

59. The recipient of the World Health Organization's Tobacco Control Award for the Year 2019 is:
    (a) Medical & Health Department, Jammu & Kashmir
    (b) Medical & Health Department, Himachal Pradesh
    (c) Medical & Health Department, Rajasthan
    (d) Medical & Health Department, Karnataka

60. Who was awarded with the highest civilian award of Russia known as the Order of St. Andrew the Apostle?
    (a) Donald Trump   (b) Xi Xinping
    (c) Narendra Modi   (d) Theresa May

61. Who invented DDT?
    (a) Robert Koch   (b) Paul Hermann Muller
    (c) Samuel Hanemann   (d) Watson & Arthur

62. Who invented Printing Press?
    (a) Johannes Gutenberg   (b) Karlheinz Brandedburg
    (c) Robert Boyle   (d) Alexander Shulgin

63. Elevator was invented by:
    (a) Harold Brown   (b) Chester Greenwood
    (c) Elisha Graves Otis   (d) William Sturgeon

64. Antibiotics was discovered by:
    (a) Robert Hooke   (b) Jean Baptiste-Denys
    (c) Alexander Fleming   (d) Charles Richet

65. Human Immuno Deficieny Virus (HIV) was discovered by:
    (a) Edmond Halley   (b) Robert Koch
    (c) Dimitri Ivanov   (d) Luc Montagnier

66. A set of instructions also called a procedure or function that is used to perform a certain task is called:
    (a) Analog   (b) Algorithm
    (c) Autoresponder   (d) API

67. A pre-formatted file that serves as a starting point for a new document is called a:
    (a) Folder   (b) Zone File
    (c) Thumbnail   (d) Template

68. Rewriting the directory structure or file system of a disk is called:
    (a) Flash Memory   (b) File Format
    (c) Formatting   (d) Frozen

69. A test that determines whether a user is human or an automated bot is called:
    (a) Cache   (b) Blob
    (c) Captcha   (d) Hub

70. When a multimedia file is able to be played back without being downloaded first is called:
    (a) Streaming   (b) Shareware
    (c) String   (d) Native File

71. The reduced size version of a digital image is:
    (a) Token   (b) Thumbnail
    (c) Sample   (d) Halftone

72. The full form of P2P is:

(a) Packet to Packet (b) Page to Page

(c) Peer to Peer (d) Path to Path

73. A multi-platform file format developed by Adobe Systems is:

(a) PDF (b) EPub

(c) Open XML (d) Rich Text Format

74. It refers to exploiting and experimenting a telephone system:

(a) Phishing (b) Phreaking

(c) Pharming (d) Prebinding

75. A system or device connected to a network is called:

(a) Runtime (b) Router

(c) Jumper (d) Node

SECTION - B
(Simple Arithmetic - 25 Marks)

76. If the interest is compounded half-yearly, then the time period becomes twice and rate is:

(a) one-fourth (b) halved

(c) same (d) doubled

77. The HCF of $(x - 3)^2 (x + 4)^2$ and $(x - 1) (x + 4) (x - 3)^2$ is

(a) $(x + 3) (x + 12)^2$ (b) $(x - 3)^2 (x + 4)$

(c) $(x - 1) (x - 3)^2 (x + 4)^2$ (d) $(x + 1) (x + 4)^2$

78. How many two digit natural numbers are divisible by 3?

(a) 99 (b) 33

(c) 30 (d) 25

79. The discriminant of a quadratic equation is less than 0, then the equation has

(a) no real roots (b) two unequal roots

(c) two equal roots (d) none of these

80. If $(x^{101} + 101)$ is divided by $(x + 1)$, the remainder is:

(a) 101 (b) 100

(c) 99 (d) 0

81. The area of an equilateral triangle whose sides are 4 cm is

(a) $8\sqrt{3}$ cm^2 (b) $4\sqrt{3}$ cm^2

(c) $24\sqrt{3}$ cm^2 (d) $16\sqrt{3}$ cm^2

82. The ratio between two numbers is 5 : 6. If 5 is subtracted from each number, the ratio becomes 4 : 5. The numbers are:

(a) 9, 10 (b) 50, 60

(c) 25, 30 (d) 30, 36

83. At what rate per cent per annum simple interest will a sum of ₹ 25000 amount to ₹ 29000 in 2 years?

(a) 4 % (b) 6 %

(c) 5 % (d) 8 %

84. The additive inverse of $\dfrac{x-5}{x+7}$ is

(a) $\dfrac{-(x-5)}{(x+7)}$

(b) $\dfrac{-(x+5)}{x+7}$

(c) $\dfrac{x-7}{x+5}$

(d) $\dfrac{x+5}{x=7}$

85. The sum of the first 100 natural numbers is

(a) 10100

(b) 5500

(c) 5050

(d) 5000

86. Any point on the x-axis is of the form:

(a) (x, x)

(b) (x, 0)

(c) (x, y)

(d) (0, y)

87. Zawma crosses a path 600 m long in 5 minutes. His speed in km/h is

(a) 7.2

(b) 12

(c) 8.2

(d) 10

88. A machinery worth ₹ 7500 is depreciated by 4%. Its value after one year will be:

(a) ₹ 7450

(b) ₹ 7300

(c) ₹ 7100

(d) ₹ 7200

89. Zero of the zero polynomial is:

(a) 0

(b) 1

(c) Any real number

(d) Not defined

90. Five years hence, the age of Lala will be thrice that of Liana. Five years ago, Lala's age was seven times that of Liana. Then their present ages, respectively will be

(a) 40, 10

(b) 30, 10

(c) 40, 20

(d) 30, 20

91. If $(x + 1)$ is a factor of the polynomial $(2x^2 + kx)$, then the value of k is:

(a) 2

(b) –2

(c) –3

(d) 4

92. The sum of two numbers is 27 and their product is 182. Then the numbers are

(a) 12 and 15

(b) 13 and 14

(c) 11 and 16

(d) 8 and 19

93. Kima covers a distance of 43.2 km on his bicycle in 3 hours. In 5 hours, he will cover a distance of

(a) 72 km

(b) 75 km

(c) 216 km

(d) 129.6 km

94. A tank which has a leak in its bottom is filled in 20 hours. Had there been no leak in the bottom, it would have been filled in 15 hours. The leak can empty the tank in

(a) 15 hours

(b) 5 hours

(c) 75 hours

(d) 60 hours

95. A speed of 15 m/s is equal to

(a) 75 km/h

(b) 54 km/h

(c) 45 km/h

(d) 60 km/h

96. $\dfrac{x^2 + x - 6}{x^2 - 4x + 4}$ in its lowest term is

   (a) $\dfrac{x+3}{x-2}$

   (b) $\dfrac{x-2}{x+3}$

   (c) $\dfrac{x-3}{x+2}$

   (d) $\dfrac{x-1}{x+2}$

97. The multiplicative inverse of $\dfrac{x-3}{x+5}$ is

   (a) $\dfrac{x+3}{x-5}$

   (b) $\dfrac{-(x-3)}{x+5}$

   (c) $\dfrac{x+5}{x-3}$

   (d) $\dfrac{x-5}{x+3}$

98. The LCM of $24(x^3 - x^2 - 6x)$ and $6(2x^4 + 5x^3 + 2x^2)$ is
   (a) $6x(x + 2)(x - 3)$
   (b) $24x(x + 2)(x - 3)$
   (c) $24x^2(x + 2)(x - 3)(2x + 1)$
   (d) $6x^2(x + 2)(x - 3)(2x + 1)$

99. In a mixture of 120 litres, the ratio of milk and water is 2:1. What amount of water must be added to make the ratio of milk and water as 1:2?
   (a) 40 litres
   (b) 80 litres
   (c) 120 litres
   (d) 100 litres

100. If $3a = 4b = 5c$, then $a : b : c$ is:
   (a) $15 : 20 : 16$
   (b) $20 : 15 : 12$
   (c) $16 : 20 : 18$
   (d) $15 : 25 : 30$

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