

# MIZORAM PUBLIC SERVICE COMMISSION

## COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO LECTURER (CIVIL ENGINEERING) (CONTRACT) UNDER HIGHER & TECHNICAL EDUCATION DEPARTMENT, MARCH, 2017

### GENERAL STUDIES

Time Allowed : 2 hours

Full Marks : 200

*Attempt all questions.*

*All questions carry equal marks of 2 each.*

1. The Supreme Court recently directed that cinema halls across the country must play which of the following before the screening of a film?
  - (a) PM's Mann Ki Baat
  - (b) Prayers of Mahatma Gandhi
  - (c) National anthem
  - (d) National song
2. Who has been chosen as the new chief minister of Nagaland?
  - (a) K. L. Chishi
  - (b) John Bosco Jasokie
  - (c) Hokishe Sema
  - (d) Shurhozeli Liezietsu
3. To check the misuse of Jan Dhan accounts by black money hoarders, the RBI has restricted the withdrawal from such accounts to \_\_\_\_\_ per month.
  - (a) Rs 5,000
  - (b) Rs 10,000
  - (c) Rs 15,000
  - (d) Rs 20,000
4. Who has been appointed as the Chief Secretary of Delhi?
  - (a) Naveen Mehta
  - (b) Nikunj Juneja
  - (c) K. K. Sharma
  - (d) M. M. Kutty
5. The Insolvency and Bankruptcy Code kicked in recently from
  - (a) 01 Dec, 2016
  - (b) 02 Dec, 2016
  - (c) 15 Nov, 2016
  - (d) 10 Nov, 2016
6. Which of the following word has been named for the "Word of the Year for 2016" by Dictionary.com?
  - (a) Oxford
  - (b) Xenophobia
  - (c) Pickmoni
  - (d) Hohlimop

7. Which of the following banks has launched a digital banking service, 'SIMsePAY', whereby any account holder can do mobile banking services without the need for a smartphone or Internet?
- (a) YES Bank (b) SBI Bank  
(c) HDFC Bank (d) ICICI Bank
8. India is hosting the two-day 'Heart of Asia' conference in which of the following cities?
- (a) New Delhi (b) Hyderabad  
(c) Chennai (d) Amritsar
9. The Defence Minister Manohar Parrikar visited which of the following countries recently? He is the first Indian Defence Minister to visit the country.
- (a) Afghanistan (b) Bangladesh  
(c) Bhutan (d) Sri Lanka
10. Which of the following states now has Asia's first cycle highway, a first-of-its-kind project, 207-km-long cycle highway?
- (a) Rajasthan (b) Uttar Pradesh  
(c) Maharashtra (d) Gujarat
11. Who has been appointed as the Director General of Military Operations (DGMO)?
- (a) A K Bhatt (b) Ranbir Singh  
(c) Lalit Kumar (d) Shokin Chauhan
12. The digital payment firms are making all efforts to cash in on the recent demonetisation move of the govt. Which of the following is such a firm?
- (a) mobikwik (b) Paytm  
(c) Freecharge (d) All the above
13. Which Indian snooker player has won bronze at IBSF World Snooker Championship 2016?
- (a) Manan Chandra (b) Aditya Mehta  
(c) Pankaj Advani (d) Geet Sethi
14. Susan Kiefel was named the first female High Court chief justice in which of the following countries recently ending 113 years of men leading the nation's highest court?
- (a) France (b) UK  
(c) Sweden (d) Australia
15. The CRR requirement for banks was temporarily increased by Rs 3.2 lakh cr by the RBI recently. What is the full form of the term CRR?
- (a) Current Requirement Ratio (b) Cash Reserve Ratio  
(c) Cash Requirement Ratio (d) Current Reserve Ratio

16. PM Narendra Modi flagged off the Humsafar train between Gorakhpur and Anand Vihar terminus recently. The features of the new train include
- (a) ports for charging electronic devices      (b) refrigerated pantry  
(c) vending machines for tea, coffee and milk      (d) All the above
17. Qamar Javed Bajwa was appointed as the new Chief of Army Staff of which of the following countries recently?
- (a) Pakistan      (b) Afghanistan  
(c) Maldives      (d) Bangladesh
18. Jo-Wilfried Tsonga, who has won the 2017 Rotterdam Tennis Tournament, is belonged to which country?
- (a) Belgium      (b) France  
(c) United States      (d) Germany
19. Shibaji Banerjee, who passed away recently, was the legendary player of which sports?
- (a) Chess      (b) Cricket  
(c) Football      (d) Tennis
20. Which country to host the 9th edition of BRICS Summit-2017?
- (a) China      (b) India  
(c) Russia      (d) South Africa
21. The Government of India (GoI) has recently signed pact with which country on rail safety?
- (a) Japan      (b) Germany  
(c) Italy      (d) France
22. The largest island of the world is–
- (a) Borneo      (b) Andaman and Nicobar  
(c) Greenland      (d) Singapore
23. For a time difference of one hour, the longitudinal distance is–
- (a) 15°      (b) 30°  
(c) 45°      (d) 60°
24. Fog which consists of large particles of moisture is called–
- (a) Mist      (b) Dew  
(c) Cloud      (d) None of these
25. Which of the following is not a fertilizer mineral?
- (a) Nitrate      (b) Phosphate  
(c) Tungsten      (d) Potash

26. It is proposed to set up an IIT in Jaipur with the collaboration of which country?
- (a) Germany (b) France  
(c) Australia (d) Japan
27. Who started the 'Yellow Revolution' in 1980's in India?
- (a) Sam Pitroda (b) Narayan Murthis  
(c) Nandan Nilekani (d) Swaminathan
28. The Indian Space Research Organisation (ISRO) is the space agency of the Indian government, ISRO headquarter is located in?
- (a) New Delhi (b) Chennai  
(c) Mumbai (d) Bengaluru
29. Which one of the following is the latest Advanced Landing Ground (ALG) operationalised by IAF in Ladakh?
- (a) Daulat Beg (b) Fuk Che  
(c) Nyoma (d) None of these
30. The National Rural Employment Guarantee Act (NREGA) has been renamed after
- (a) Lal Bahadur Shastri (b) Mahatma Gandhi  
(c) Sardar Vallabhbhai Patel (d) Rajiv Gandhi
31. Andhra Pradesh government has inked a pact in February, 2016 with USTDA for developing one of the following cities a Smart City. Identify it.
- (a) Tirupati (b) Hyderabad  
(c) Machilipatnam (d) Vishakhapatnam
32. Name the scheme launched by Indian Railway on 1<sup>st</sup> November 2015 under which waitlisted passengers can get confirmed accommodation in next alternative train if they opt for the option while booking their tickets online?
- (a) Vikalp (b) E-Vikalp  
(c) Vewastha (d) E-Vewastha
33. Name the Indian film that has bagged BNL People's Choice Award at the 10<sup>th</sup> Rome Film Festival in October, 2015
- (a) Queen (b) Court  
(c) Lunch Box (d) Angry with Indian Goddess
34. Which committee has been constituted by Union Government to study silt in river Ganga in Bihar?
- (a) S.K Sahu Committee (b) Rajnish Ranjan Committee  
(c) A K Sinha Committee (d) Nitish Kumar Committee

35. The Durand Cup is associated with which sports?
- (a) Football (b) Cricket  
(c) Basketball (d) Hockey
36. The centre and states have their own respective sources of revenue. Which of the following is levied by the centre?
1. Professional Tax  
2. Corporation Tax  
3. Excise Duty on liquor
- Select the answer using the codes given below
- (a) Only 1 and 2 (b) Only 2  
(c) Only 2 and 3 (d) all the above
37. For which of the following regions the Union Government has released the Hydrocarbon Vision 2030 in February 2016?
- (a) North East (b) Bhundhel Khand  
(c) Ghoorkha land (d) North Andhra
38. As per United States Chamber of Commerce's 2016, India's rank in Intellectual Property Index is
- (a) 36 (b) 37  
(c) 38 (d) 39
39. In which of following cities the ' Make in India ' centre inaugurated recently in February,2016?
- (a) Mumbai (b) Bangalore  
(c) Ahmadabad (d) Delhi
40. The ISO series that specifies guidelines of testing and inspection of the product is
- (a) ISO-9001 (b) ISO -9002  
(c) ISO -9003 (d) ISO -9004
41. Water pollution is measured by
- (a) Amount of Chloride dissolved in water  
(b) Amount of Ozone dissolved in water  
(c) Amount of Nitrogen dissolved in water  
(d) Amount of Oxygen dissolved in water
42. Constituent of acid rain are mainly
- (a) Nitrogen and carbon dioxide (b) Carbon dioxide and carbon monoxide  
(c) Ozone and carbon monoxide (d) Sulphur dioxide and nitrogen oxide

43. A student has to obtain 33% of the total marks to pass. He got 125 marks and failed by 40 marks. The maximum marks are:
- (a) 300 (b) 500  
(c) 800 (d) 1000
44. The best way to dispose plant waste is
- (a) incineration (b) burning  
(c) dumping (d) composting
45. Which of the following has maximum genetic biodiversity in India?
- (a) Teak (b) Mango  
(c) Wheat (d) Tea
46. Solar cells are made of
- (a) Silicon (b) Germanium  
(c) Silver (d) Aluminium
47. Which is the ultimate source of energy?
- (a) water (b) sun  
(c) uranium (d) fossil fuels
48. Geologists believe that below the earth crust's the molten mass exists in the form of
- (a) magma (b) vent  
(c) hot cell (d) liquation
49. Which power plants is free from environmental pollution problems?
- (a) Thermal power plant (b) Nuclear power plant  
(c) Hydro power plant (d) Geothermal energy power plant
50. A non renewable source of energy is
- (a) Wood (b) Fossil fuels  
(c) Water (d) Forest
51. The source of energy of the sun is
- (a) Nuclear fission (b) Chemical reaction  
(c) Nuclear fusion (d) Photoelectric effect
52. Vermi compost is a/an
- (a) toxic substance (b) organic fertilizer  
(c) inorganic fertilizer (d) synthetic fertilizer

53. Parachutes are made from which fibre
- (a) Nylon (b) Terylene  
(c) Plastic (d) Rayon
54. Mild steel belongs to the following category
- (a) low carbon steel (b) medium carbon steel  
(c) high carbon steel (d) alloy steel
55. Atomic number equals
- (a) the number of protons in the nucleus  
(b) the number of electrons in the nucleus  
(c) the number of neutrons in the nucleus  
(d) the number of atomss in the nucleus
56. In which of the following activities Silicon Carbide is used?
- (a) Making cement and glass (b) Disinfecting water and ponds  
(c) Making castes for statues (d) Cutting very hard substances
57. Which of the following gas is not known as greenhouse gas?
- (a) Methane (b) Carbon dioxide  
(c) Nitrogen (d) CFC
58. The gas used to extinguish fire is
- (a) Neon (b) Nitrogen  
(c) Carbon dioxide (d) Carbon Monoxide
59. The most abundant metal in the earth's crust is
- (a) Zinc (b) Copper  
(c) Aluminium (d) Iron
60. The first synthetic fibre made by man was
- (a) Rayon (b) Nylon  
(c) Polyester (d) Terycott
61. Glass is made from the mixture of
- (a) Quartz and mica (b) Sand and salt  
(c) Sand and silicates (d) None of these
62. Which of the following elements is non-radioactive?
- (a) Uranium (b) Thorium  
(c) Plutonium (d) Zirconium

63. Liquefied Petroleum gas (LPG) consists of mainly
- (a) Methane, Ethane and Hexane                      (b) Ethane, Hexane and Nonane  
(c) Methane, Butane and Propane                      (d) Methane, Hexane and Nonane
64. Permanent hardness of water can be removed by adding
- (a) Potassium Permanganate                      (b) Chlorine  
(c) Bleaching Powde                      (d) Washing Soda
65. Which of the following is the lightest metal?
- (a) Mercury                      (b) Silver  
(c) Lithium                      (d) Lead
66. The element present in the largest amount in rocks and minerals is
- (a) Chloroethane                      (b) Carbamide  
(c) Silicon                      (d) Carbon
67. Nuclear fission is caused by the impact of
- (a) Proton                      (b) Electron  
(c) Neutron                      (d) all the above
68. The most malleable metal is
- (a) Silver                      (b) Gold  
(c) Aluminium                      (d) Sodium
69. What percent of a day is 3 hours?
- (a)  $12\frac{1}{2}\%$                       (b)  $16\frac{1}{2}\%$   
(c)  $18\frac{2}{3}\%$                       (d)  $20\frac{1}{2}\%$
70. The population of a town increased from 175,000 to 262,500 in a decade. The average percent increase of population per year is
- (a) 4.37%                      (b) 5%  
(c) 6%                      (d) 8.75%
71. Which one of the following countries is not low income country
- (a) Indonesia                      (b) India  
(c) Malaysia                      (d) Nigeria

72. A student secures 90%, 60% and 54% marks in test papers with 100, 150 and 200 respectively as maximum marks. The percentage of his aggregates is
- (a) 64 (b) 68  
(c) 70 (d) none of these
73. The price of tea being increased by 20%, a man reduces his consumption by 20%. By how much percent will his expenses for tea be decreased?
- (a) 2% (b) 6%  
(c) 8% (d) 4%
74. A's salary is 40% of B's salary which is 25% of C's salary. What percentage of C's salary is A's salary?
- (a) 5% (b) 15%  
(c) 10% (d) 20%
75. 36 men can complete a piece of work in 18 days. In how many days will 27 men complete the same work
- (a) 12 (b) 18  
(c) 22 (d) 24
76. 3 pumps, working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in day?
- (a) 9 (b) 10  
(c) 12 (d) 11
77. Which of the following trains is the fastest?
- (a) 25 m/sec (b) 1500 m/min  
(c) 90 km/h (d) none of these
78. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?
- (a) 3.6 (b) 7.2  
(c) 8.4 (d) 10
79. One side of a rectangular field is 15 m and one of its diagonals is 17m. Find the area of the field
- (a) 120 m<sup>2</sup> (b) 150 m<sup>2</sup>  
(c) 100 m<sup>2</sup> (d) 170 m<sup>2</sup>
80. Find the length of a rope by which a cow must be tethered in order that it may be able to graze an area of 9856 sq. metres
- (a) 60 m (b) 56 m  
(c) 40 m (d) 79 m

81. The area of a circular field is 13.86 hectares. Find the cost of fencing it at the rate of Rs.4.40 per metre.
- (a) 1320 m (b) 1520 m  
(c) 1800 m (d) 3200 m
82. A courtyard 25 m long and 16 m broad is to be paved with bricks of dimensions 20 cm by 10 cm. The total number of bricks required is
- (a) 18000 (b) 20000  
(c) 25000 (d) none of these
83. A rectangular carpet has an area of 120 sq. metres and a perimeter of 46 metres. The length of its diagonal is
- (a) 15 m (b) 16 m  
(c) 17 m (d) 20 m
84. A man walking at the speed of 4 kmph crosses a square field diagonally in 3 minutes. The area of the field is:
- (a) 18000 m<sup>2</sup> (b) 19000 m<sup>2</sup>  
(c) 20000 m<sup>2</sup> (d) 250000 m<sup>2</sup>
85. The area of a circle of radius 5 is numerically what percent of its circumference?
- (a) 200 (b) 225  
(c) 240 (d) 250
86. In how many different ways can the letters of the word, 'RUMOUR' be arranged?
- (a) 180 (b) 90  
(c) 30 (d) 720
87. The top of a 15 metre high tower makes an angle of elevation of 60° with the bottom of an electric pole and angle of elevation of 30° with the top of the pole. What is the height of the electric pole?
- (a) 5 m (b) 8 m  
(c) 10m (d) 12m
88. Look carefully for the pattern, and then choose which pair of numbers comes next  
9, 11, 33, 13, 15, 33, 17 .....
- (a) 15,33 (b) 19,33  
(c) 33,15 (d) 33,19
89. Look carefully for the pattern, and then choose which pair of numbers comes next  
2, 8, 14, 20, 26, 32, 38 .....
- (a) 40,42 (b) 32,26  
(c) 2, 46 (d) 44,50

90. Look carefully for the pattern, and then choose which pair of numbers comes next  
9, 16, 23, 30, 37, 44, 51.....
- (a) 58,65 (b) 58,66  
(c) 56, 61 (d) 56,62
91. Look at this series: 22, 21, 23, 22, 24, 23, ... What number should come next?
- (a) 24 (b) 26  
(c) 23 (d) 25
92. The Institution set up by the Government of India to provide computer based information services to government departments
- (a) C-DIT (b) CDAC  
(c) NIC (d) DOEACC
93. If in a coded language PEN is written as NZO and BARK is written as CTSL. Then how will PRANK be written in that code?
- (a) NZTOL (b) CSTZN  
(c) NSTOL (d) NTSLO
94. If in a coded language FIRE is written as QHOE and MOVE is written as ZMWE. Then how will OVER be written in that code? (SSC FCI 2007)
- (a) MWED (b) MWEO  
(c) MWOE (d) MWZO
95. If in a coded language POPULAR is written as QPQVMBS then how will GBNPVT be written in that code? (SSC CPO 2011)
- (a) FASOUM (b) FAMOUS  
(c) FAMOSU (d) FAMSUO
96. Computer cannot do anything without a
- (a) chip (b) memory  
(c) output device (d) program
97. Who is called 'grand father' of the computer?
- (a) Blaise Pascal (b) Charles Babbage  
(c) Joseph Jacquard (d) Dr Herman Hollerith
98. Everything computer does it controlled by its
- (a) RAM (b) ROM  
(c) CPU (d) Storage devices

99. OPEC is the

- (a) Organization of Petroleum Exporting Country
- (b) Organization of Pre European Commission
- (c) Oil Producing Economics Causes
- (d) None of these

100. Which one is not a social networking site?

- |                 |          |
|-----------------|----------|
| (a) Google Plus | (b) Wink |
| (c) LinkedIn    | (d) Buzz |

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