

MIZORAM PUBLIC SERVICE COMMISSION

TECHNICAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO JUNIOR GRADE OF MIZORAM ENGINEERING SERVICE

UNDER PUBLIC HEALTH ENGINEERING AND POWER & ELECTRICITY DEPARTMENT, NOVEMBER 2015

GENERAL STUDIES

Time Allowed : 2 hours

Full Marks : 100

Attempt all questions.

All questions carry equal marks of 1 each.

- Which of the following states shares longest border with Bangladesh?
(a) Meghalaya (b) Assam
(c) West Bengal (d) Mizoram
- According to United Nation's latest report, which country has by far the largest population of illiterate adults in the world?
(a) China (b) India
(c) Pakistan (d) Indonesia
- Who among the following is the chairman of the recently constituted 7th Pay Commission?
(a) Justice Ashok Kumar Mathur (b) Dr.Rathin Roy
(c) Justice B.N.Srikrishna (d) C.Rangarajan
- Recently, in which of the following states remains of an ancient university have been discovered?
(a) Bihar (b) Odisha
(c) West Bengal (d) Andhra Pradesh
- In which of following states is the per capita availability of Milk highest in the country?
(a) Andhra Pradesh (b) Punjab
(c) Haryana (d) Tamil Nadu
- The Sangai Festival is organised in
(a) Assam (b) Manipur
(c) Mizoram (d) Nagaland
- India's first satellite is named after
(a) Aryabhata (b) Bhaskara II
(c) Bhaskara I (d) Albert Einstein
- In which year did terrorists crash two planes into New York's World Trade Centre on September 11 in a sequence of destruction?
(a) 2000 (b) 2001
(c) 2002 (d) 2003
- If force is expressed in Newton and the distance in metre, then the work done is expressed in
(a) Joule (b) Kg wt
(c) Kg wt m (d) Watt

10. Indira Gandhi was assassinated in
(a) 1974 (b) 1984
(c) 1994 (d) 2004
11. If the plane of the earth's equator were not inclined to the plane of the earth's orbit
(a) the year would be longer (b) the winters would be longer
(c) there would be no change of seasons (d) the summers would be warmer
12. Logarithm tables were invented by
(a) John Napier (b) John Doe
(c) John Harrison (d) John Douglas
13. Modern football is said to have evolved from
(a) England (b) India
(c) France (d) Spain
14. Malfunctioning of which of the following organs causes jaundice?
(a) Stomach (b) Pancreas
(c) Liver (d) Kidney
15. Liquids transmit pressure equally in all directions. This is known as
(a) Boyle-Pascal's Law (b) Pascal's Law
(c) Archimedes' Principle (d) None of these
16. John F. Kennedy, President of USA, died on
(a) 1963 (b) 1964
(c) 1965 (d) 1966
17. Nuclear power is _____ thermal power.
(a) cheaper than (b) costlier than
(c) equal in amount (d) they cannot be related
18. Most commonly used bleaching agent is
(a) alcohol (b) carbon dioxide
(c) chlorine (d) sodium chloride
19. Lime is sometimes applied to soil in order to
(a) increase the alkalinity of the soil (b) increase the acidity of the soil
(c) restore nitrates to the soil (d) make the soil more porous
20. Light Year is related to
(a) energy (b) speed
(c) distance (d) intensity
21. Microphone is used to convert
(a) sound waves into electrical energy (b) sound waves into light rays
(c) electrical energy into sound waves (d) sound waves into magnetic currents
22. The air we inhale is mixture of gases. Which of the following gases in the mixture is highest in percentage?
(a) Carbon dioxide (b) Nitrogen
(c) Oxygen (d) Ozone

- 23.** The 2012 Olympics Games were held in
(a) London (b) Seoul
(c) Sydney (d) Tokyo
- 24.** Pressure cooker cooks rice faster because
(a) it always lets the steam escape
(b) high pressure crushes the hard covering of rice grains
(c) it does not let the heat energy escape easily
(d) high pressure raises the boiling point of water
- 25.** Super conductivity is a phenomenon in which the resistance of a substance
(a) increases with temperature (b) decreases with temperature
(c) does not change with temperature (d) becomes zero at very low temperature
- 26.** The energy of food is measured in
(a) Kelvin (b) Calories
(c) Bushel (d) None of these
- 27.** The clear sky looks blue because of
(a) reflection of light (b) refraction of light
(c) diffraction of light (d) dispersion of light
- 28.** The headquarters of the United Nations is at
(a) Geneva (b) Paris
(c) New York (d) Washington, D.C.
- 29.** The refrigerant commonly used for domestic refrigerators is
(a) alcohol (b) ammonia
(c) neon (d) none of these
- 30.** The term of office of the UN Secretary-General is
(a) three years (b) four years
(c) five years (d) six years
- 31.** The scientist who first discovered that the earth revolves round the sun was
(a) Newton (b) Dalton
(c) Copernicus (d) Einstein
- 32.** The number of chromosomes in human body is
(a) 42 (b) 44
(c) 46 (d) 48
- 33.** To which country does the present UN Secretary-General belong?
(a) Ghana (b) South Korea
(c) Spain (d) Sweden
- 34.** The velocity of sound in air (under normal condition) is
(a) 30 m/sec (b) 320 m/sec
(c) 343 m/sec (d) 3,320 m/sec

35. When a moving bus stops suddenly, the passengers are pushed forward because of the
- (a) friction between the earth and the bus
 - (b) friction between the passengers and the earth
 - (c) inertia of the passengers
 - (d) inertia of the bus
36. When the batsman, in cricket, is out without scoring a single run, is called
- (a) drive
 - (b) duck
 - (c) flight
 - (d) googly
37. What is the function of a dynamo?
- (a) To convert heat energy into light energy
 - (b) To convert light energy into heat energy
 - (c) To convert mechanical energy into electrical energy
 - (d) To convert electrical energy into mechanical energy
38. Which scientist discovered the radioactive element radium?
- (a) Isaac Newton
 - (b) Albert Einstein
 - (c) Benjamin Franklin
 - (d) Marie Curie
39. Who invented Electric Generator?
- (a) Sir Alexander Graham Bell
 - (b) Michael Faraday
 - (c) Alfred B.Nobel
 - (d) Thomas Alva Edison
40. What did Sir Isaac Newton invent?
- (a) Reflecting telescope
 - (b) Chronometer
 - (c) Microscope
 - (d) Spectacles
41. Who invented Fountain Pen?
- (a) John J.Loud
 - (b) Sir Frank Whittle
 - (c) Lewis E. Waterman
 - (d) Kirkpatrick Macmillan
42. The first Indian to receive Noble Prize in Literature was
- (a) Mother Teresa
 - (b) C.V.Raman
 - (c) Rabindranath Tagore
 - (d) Sarojini Naidu
43. The only Indian to win the Nobel prize in physics is
- (a) Dr. J.C.Bose
 - (b) Dr. C.V.Raman
 - (c) Dr. Vickram Sarabhai
 - (d) Dr. H.J.Bhabha
44. The five permanent members of UN security council are
- (a) Japan, West Germany, USSR, UK and USA
 - (b) Canada, China, France, USSR and USA
 - (c) Germany, China, USSR, UK and USA
 - (d) China, France, USSR, UK and USA
45. The minimum age to qualify for election to the Lok Sabha is
- (a) 25 years
 - (b) 21 years
 - (c) 18 years
 - (d) 35 years
46. The members of the Rajya Sabha are elected for a term
- (a) of six years
 - (b) determined by the state legislative assembly of a state
 - (c) of four years
 - (d) of five years

47. The oath of office is administered to the Governor by the
(a) Chief Justice of India (b) President
(c) Chief Justice of high court (d) Speaker of Legislative Assembly
48. The preamble to our Constitution provided that India is
(a) a sovereign, socialist and democratic republic
(b) a sovereign, socialist, secular and democratic republic
(c) a sovereign republic with a socialist pattern of society
(d) a socialist, secular and democratic republic
49. The members of the State Public Service Commission are appointed by
(a) Chief Minister (b) Chief Justice
(c) Governor (d) Vice-president
50. The birthday of which of the following leaders in India is observed as Children's day?
(a) Mahatma Gandhi (b) S.Radhakrishnan
(c) Rajiv Gandhi (d) Jawaharlal Nehru
51. Which city is known as 'Electronic City of India'?
(a) Mumbai (b) Hyderabad
(c) Guragon (d) Bangalore
52. Which of the following is used in pencils?
(a) Graphite (b) Silicon
(c) Charcoal (d) Phosphorous
53. The filament of an electric bulb is made of
(a) tungsten (b) nichrome
(c) graphite (d) iron
54. LPG consists of mainly
(a) methane, ethane and hexane (b) ethane, hexane and nonane
(c) methane, hexane and nonane (d) methane, butane and propane
55. Optical fibre works on the
(a) principle of refraction (b) total internal reflection
(c) scattering (d) interference
56. Plants receive their nutrients mainly from
(a) chlorophyll (b) atmosphere
(c) light (d) soil
57. Plants absorb most part of water needed by them through their
(a) embryonic zone (b) growing point
(c) root hairs (d) zone of elongation
58. Myopia is connected with
(a) ears (b) eyes
(c) lungs (d) none of these

59. A retired Delhi High Court Judge C.K.Mahajan was recently in the news because
- (a) he was nominated to be the Indian Ambassador to Asian Development Bank (ADB)
 - (b) he will be the head of the working group to prepare a draft of the National Sports Development Code (NSDC)
 - (c) he is a new member of National Institution for Transforming India (NITI)
 - (d) he will be the head of the National Urban Health Mission (NRHM)
60. A.P.J.Abdul Kalam, excluding the acting, was the President of India
- (a) 9th
 - (b) 10th
 - (c) 11th
 - (d) 12th
61. Which of the following is not among the states approved by the Cabinet Committee on Economic Affairs (CCEA) for the creation of an Intra-state Transmission System (ISTS)?
- (a) Maharashtra
 - (b) Tamil Nadu
 - (c) Gujarat
 - (d) Himachal Pradesh
62. Which of the following institutions together with Nehru Science Centre has launched a pilot project "Internet for all"?
- (a) IIT-Madras
 - (b) IIT-Delhi
 - (c) IIT-Kharagpur
 - (d) IIT-Bombay
63. The first Indian state to install a system to detect earthquakes and disseminate warnings is
- (a) Uttarakhand
 - (b) W.Bengal
 - (c) Gujarat
 - (d) Sikkim
64. Who among the following won double Gold medals in one kilometre and two kilometre time trial cycling event in 2015 Special Olympics held in Los Angeles?
- (a) Ravi Kumar
 - (b) Harjit Singh
 - (c) Balbir Singh
 - (d) Rajvir Singh
65. In which of the following states the Governor has special responsibility under Article 371A of the Constitution with respect to Law and Order?
- (a) Nagaland
 - (b) Manipur
 - (c) Arunachal Pradesh
 - (d) Jammu and Kashmir
66. Which among the following states are recently included in the ISOPOM Oil Palm development programme?
- (a) Assam & Tripura
 - (b) W.Bengal & Mizoram
 - (c) Goa & Odisha
 - (d) Chhattisgarh & Arunachal Pradesh
67. Kathakati is a classical dance form of
- (a) Tamil Nadu
 - (b) Telegu
 - (c) Kerala
 - (d) Kanada
68. The first Mizo District Olympic was held in
- (a) 1950
 - (b) 1953
 - (c) 1960
 - (d) 1963
69. An address used by the world wide web to specify a certain site in internet is
- (a) Internet protocol
 - (b) Transmission protocol
 - (c) Uniform resource locator
 - (d) Hyper link

70. A wireless short range data and voice communication between electronic devices is
(a) GPRS (b) Bluetooth
(c) WAP (d) SMS
71. The study of old writing used in inscription in historical construction is called
(a) Numismatics (b) Epigraphy
(c) Palaeography (d) Archaeology
72. Which of the following is one of the remarkable characteristics of Harappan cities?
(a) Use of burnt bricks (b) Great bath
(c) Drainage system (d) All of these
73. The Iranian ruler who penetrated into north-west India in 516 BC and annexed Punjab, west of Indus and Sindh was
(a) Xeres (b) Magadhan
(c) Darius (d) Alexander
74. Who among the following is associated with Kalinga war?
(a) Ashoka (b) Bindusara
(c) Chandragupta (d) Gautamiputra
75. Who is called 'Napoleon of India' because of his bravery and generalship?
(a) Samudragupta (b) Chandragupta-II
(c) Skandagupta (d) Anugangagupta
76. Which of the following is not covered under Article 371G of the Constitution of India, a special provision with respect to the state of Mizoram?
(a) Religious and social practices of the Mizos (b) Mizo customary law and procedures
(c) Wealth tax (d) None of these
77. Who among the following is not among the signatories in the Mizo accord dated 30.6.1986 between Government of India, Government of Mizoram and Mizo National Front?
(a) Lalkhama (b) Lalthanhawla
(c) Laldenga (d) R.D.Pradhan
78. Who among the following is one of the recipients of Bharat Ratna award in 2014?
(a) Dr.(Smt.)Neelam Kler (b) Ashok Kumar Mago
(c) Prof. Om Prakash Upadhyaya (d) Sachin Tendulkar
79. Which of the following is associated with the birth anniversary of Mahatma Gandhi?
(a) Saansad Adharsh Gram Yojana (SAGY) (b) Pradhan Mantri Jan Dhan Yojana (PMJDY)
(c) Swachh Bharat Mission (d) Beti Bachao, Beti Padhao
80. The 'Make in India' initiative is aimed at
(a) increased production of indigenous origin (b) improved quality of indigenous products
(c) showcasing India as an investment destination (d) All of these
81. "Not me but you" is the motto of
(a) NSS (b) NCC
(c) NYC (d) SAI
82. In which of the following states no community has been specified as a scheduled tribe?
(a) Chandigarh and Delhi (b) Haryana and Punjab
(c) Goa and Puducherry (d) Mizoram and Meghalaya

83. Heavy water in a Nuclear reactor is used as
(a) Stabiliser and Dilutant (b) Lubricant and Sealant
(c) Moderator and Coolant (d) None of these
84. The material that can be used to convert solar energy into electricity is
(a) Mica (b) Aluminium
(c) Silicon (d) Silver
85. The compounds used for sterilisation which are harmful to living tissues are
(a) Antipyretics (b) Disinfectants
(c) Analgesics (d) Antiseptics
86. The country whose capital is Lusaka is
(a) Rwanda (b) Burundi
(c) Angola (d) Zambia
87. In which of the following countries any male citizen from the age of 20 to 42, unfit for military service must either pay a military tax or opt for a civil service?
(a) Switzerland (b) Liechtenstein
(c) Israel (d) Yemen
88. The instrument generally used for determining the radius of curvature of spherical surfaces is
(a) Screw gauge (b) Vernier calliper
(c) Spherometer (d) Micrometer screw
89. Choose the odd one out in terms of dimensional unit
(a) Specific gravity (b) Strain
(c) Stress (d) None of these
90. Ownership rights to companies such as shares, dividends etc. is called
(a) Capital market (b) Derivatives
(c) Equities (d) Eurobonds
91. A sudden, shortlived decline in economic activity followed by a sharp fall in production and rise in unemployment is termed as
(a) Stagflation (b) Recession
(c) Deflation (d) Depression
92. The number of samples per second achieved with DVD-audio in a digital sound system is
(a) 16-bit (b) 18-bit
(c) 20-bit (d) 24-bit
93. Celebration of National Voters Day on 25th January every year is a strategy to
(a) promote free and fair election nationwide
(b) encourage reducing the election related expenditures
(c) increase enrolment of voters
(d) discourage possible communalism in the politics
94. The place of origin of an earthquake inside the surface of the earth is called its
(a) Seismos (b) Shear centre
(c) Focus (d) Epicentre

- 95.** Ozone layer is concentrated above the surface of the earth mainly between
(a) 10 to 50 km (b) 15 to 80 km
(c) 20 to 100 km (d) 30 to 120 km
- 96.** Which of the following states has the highest reserve iron ore deposit in India?
(a) Bihar (b) Odisha
(c) Rajasthan (d) Gujarat
- 97.** Heavy Electrical (India) Ltd., to manufacture heavy electrical equipment was set up in 1956 at
(a) Ranchi (b) Warangal
(c) Bhopal (d) Nagpur
- 98.** The National Food Security Act, (NFSA) 2013's provision for subsidised food grains under targeted public distribution system is to cover upto
(a) 90% of rural and 10% of urban populations (b) 85% of rural and 20% of urban populations
(c) 95% of rural and 60% of urban populations (d) 75% of rural and 50% of urban populations
- 99.** A centrally sponsored scheme of Rajiv Awas Yojana envisages a
(a) Poverty free India (b) Slum free India
(c) Malnutrition free India (d) Homeless free India
- 100.** Who among the following has become the President of India twice?
(a) Dr.Zakir Hussain (b) B.D.Jatti
(c) V.V.Giri (d) Neelam Sanjiva Reddy

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