

# MIZORAM PUBLIC SERVICE COMMISSION

## GENERAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO THE POST OF ASSISTANT UNDER GOVERNMENT OF MIZORAM JANUARY, 2015

### PAPER - II

{Section A - General Knowledge - 75 Marks}  
{Section B - Simple Arithmetic - 50 Marks}

Time Allowed : 3 hours

Full Marks : 125

#### SECTION - A

(General Knowledge - 75 Marks)

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

*This Section should be answered only on the OMR Response Sheet provided.*

1. Which Union Ministry has recently launched the 'Know Your Rights' portal?  
(a) Human Resource Development (b) Law and Justice  
(c) Women and Child Development (d) Civil Aviation
2. A very famous university in India which came to an end in 1193 AD, recently revived with the Special Act of Parliament, 2010 is  
(a) Nalanda University (b) Vikramshila University  
(c) Takshila University (d) Puspagiri University
3. Which day in a year is celebrated as International Day against Drug Abuse and Illicit Trafficking?  
(a) 24<sup>th</sup> June (b) 25<sup>th</sup> June  
(c) 26<sup>th</sup> June (d) 27<sup>th</sup> June
4. Which of the following groups is a Shia militant group?  
(a) Mujahideen Shura Council (b) Al-Qaeda  
(c) Ansar-Al-Islam (d) Hezbollah
5. Which of the following institutions deals with the credit to agriculture and rural development?  
(a) IDBI (b) NABARD  
(c) ICICI (d) SIDBI
6. Which of the following does not take part in the elections of the President of India?  
(a) Elected members of the Lok Sabha (b) Elected members of the Rajya Sabha  
(c) Members of the Legislative Council (d) None of these
7. The smallest unit of living form is  
(a) Ribosomes (b) Nucleus  
(c) Cell (d) Mitochondria
8. A person of Indian origin who has been nominated by United States President, Barack Obama as the next US Ambassador to India  
(a) Richard Bhushan Verma (b) Richard Rahul Verma  
(c) Ricky Rahul Verma (d) Ricky Bhushan Verma

9. The number of Rural Development Blocks in Mizoram at present is
- (a) 23 (b) 24  
(c) 25 (d) 26
10. The amendment to the Constitution of India which has granted statehood to Mizoram was:
- (a) The Constitution (53<sup>rd</sup> Amendment) Act, 1986  
(b) The Constitution (54<sup>th</sup> Amendment) Act, 1986  
(c) The Constitution (55<sup>th</sup> Amendment) Act, 1986  
(d) The Constitution (56<sup>th</sup> Amendment) Act, 1987
11. The components of Central assistance in the form of grants and remaining interest free loan with rationalisation of public expenditure under the Special Category Status are
- (a) 75:25 (b) 70:30  
(c) 90:10 (d) 80:20
12. Who is the first Chief Minister of Telangana State?
- (a) K.Chandrasekhar (b) K.Radhakrishnan  
(c) Rahul Nanda Kumar (d) Dilip Trivedi
13. Which movie won the Oscar award for Best Picture in 2014?
- (a) The Wolf of Wall Street (b) American Hustle  
(c) 12 Years a Slave (d) Gravity
14. Under which Chief Election Commissioner was the 16<sup>th</sup> Lok Sabha election held?
- (a) Navin Chawla (b) V.S.Sampath  
(c) S.Y.Quraishi (d) N.Gopalaswami
15. Rupay which was launched by the President of India is a
- (a) Rural Bank (b) Social site  
(c) Payment gateway (d) Rupee website
16. Indian State with the highest urban population is
- (a) West Bengal (b) Uttar Pradesh  
(c) Maharashtra (d) Madhya Pradesh
17. Russian President Valdimir Putin signed a decree on 7<sup>th</sup> August 2014 on banning or limiting the imports of
- (a) Fertilisers (b) Agricultural products  
(c) Chemicals (d) Milk powder
18. The Government of India launched a nation-wide campaign “Tears You Apart” to raise awareness on
- (a) Dowry (b) Women safety  
(c) Cigarette (d) Smokeless tobacco
19. International Day for Disaster Reduction
- (a) 12<sup>th</sup> October (b) 13<sup>th</sup> October  
(c) 14<sup>th</sup> October (d) 15<sup>th</sup> October
20. Name the Indian badminton player who won the Indonesian Badminton Masters Grand Prix Gold on 14<sup>th</sup> September 2014?
- (a) Firman Abdul Kholik (b) Saina Nehwal  
(c) Arvind Bhat (d) H.S.Prannoy

21. Which of the following is India's first indigenously built nuclear-powered submarine?  
(a) INS Arihant (b) INS Chakra  
(c) INS Shankush (d) INS Cauvery
22. The deadly Ebola Virus disease (EVD) takes its name from  
(a) Ebola river in Congo (b) Ebola mountain in Zaire  
(c) Ebola valley in Liberia (d) Ebola volcano in Zambia
23. Which technology giant acquired Nokia handset business recently?  
(a) IBM (b) Microsoft  
(c) Intel (d) Sony
24. Which state has recently banned "rat-hole coal mining" in compliance of the order of the National Green Tribunal?  
(a) Nagaland (b) Tamil Nadu  
(c) Goa (d) Meghalaya
25. Which of the following statements is incorrect about Aadhaar?  
(a) Aadhaar number is a 12 digit unique number for every single individual  
(b) It is not mandatory to enroll for Aadhaar  
(c) Only a permanent resident of India is eligible to apply for Aadhaar  
(d) A child of age less than 3 years does not require giving biometric information
26. Who is the present National Security Advisor?  
(a) Ajit Doval (b) Shiv Shankar Menon  
(c) M.K.Narayanan (d) Ashwini Kumar
27. What is the month of June in Mizo?  
(a) Tau Thla (b) Nikir Thla  
(c) Mimkut Thla (d) Tomir Thla
28. To which country does the winner of the 2013 Nobel Prize for Literature, Alice Munro belong?  
(a) Canada (b) Australia  
(c) America (d) England
29. The Union government has planned to build a "Statue of Unity" in Gujarat. This will be a statue of  
(a) Jawaharlal Nehru (b) Mahatma Gandhi  
(c) Sardar Vallabhbhai Patel (d) B.R.Ambedkar
30. World AIDS day is observed on  
(a) 1<sup>st</sup> December (b) 5<sup>th</sup> December  
(c) 10<sup>th</sup> December (d) 15<sup>th</sup> December
31. "Truth, Love and a Little Malice" is an autobiography of  
(a) Charlie Chaplin (b) Natwar Singh  
(c) Khushwant Singh (d) Helen Keller
32. Who is the author of the book "Assassination of Rajiv Gandhi: An Inside Job"?  
(a) Faraz Ahmad (b) Sriram Vedire  
(c) Daman Singh (d) Vinod Rai
33. Which book was the Mizo Academy of Letters' Book of the Year 2012?  
(a) Chhawrpial Run (b) Rintei Zunleng  
(c) Sulhnu Hliam (d) Sihlipui

34. Who wrote the book 'Argumentative Indian'?
- (a) Amartya Sen (b) Khushwant Singh  
(c) Vikram Seth (d) Amitav Ghosh
35. 'The Accidental Prime Minister: The Making and Unmaking of Manmohan Singh' is a book written by:
- (a) Manmohan Singh (b) Upinder Singh  
(c) Daman Singh (d) Sanjaya Baru
36. Name the British actress who is appointed as Goodwill Ambassador for United Nation's Women
- (a) Emma Watson (b) Keira Knightley  
(c) Judi Dench (d) Emily Blunt
37. Name the Gujarat Governor who was transferred to Mizoram as Governor for the rest of his/her tenure:
- (a) Vakkom Purushothaman (b) Kamla Beniwal  
(c) Vinod Kumar Duggal (d) K.K.Paul
38. Thomas Bach is the President of which committee?
- (a) International Olympic Committee (b) International Committee on Child Labour  
(c) International Atomic Energy Committee (d) International Amateur Athletic Committee
39. The well-known Indian historian who died recently was
- (a) Romila Thapar (b) Bipan Chandra  
(c) Irfan Habib (d) R.S.Sharma
40. Who is the Union Minister of Human Resource Development ministry?
- (a) Smriti Irani (b) Sushma Swaraj  
(c) Uma Bharti (d) Najma Heptullah
41. How many teams are there in the newly introduced Hero Indian Super League?
- (a) 8 (b) 9  
(c) 10 (d) 13
42. Which team was beaten by Mizoram to clinch the 68<sup>th</sup> Santosh Trophy?
- (a) Kerala (b) Railways  
(c) Services (d) Tamil Nadu
43. Germany lifted the 2014 FIFA World Cup Football trophy for the:
- (a) Second time (b) Third time  
(c) Fourth time (d) Fifth time
44. Which Indian won a gold medal in 50 meters pistol event in the Asian Games of 2014?
- (a) Arjun Singh (b) Jitu Rai  
(c) Sushil Kumar (d) Yogeswar Dutt
45. Who was awarded the Golden Glove Award in FIFA World Cup 2014?
- (a) Manuel Neuer (b) Sergio Romero  
(c) Jasper Cillessen (d) Hugo Lloris
46. What is the full form of NDTV?
- (a) National Development Television (b) National Demand Television  
(c) New Development Television (d) New Delhi Television

47. Which among the following is the full form of OPEC?
- (a) Organisation of the Petroleum Exporting Countries
  - (b) Organisation of Petrochemicals Exporting Countries
  - (c) Oil and Petroleum Exporting Countries
  - (d) Oil and Petroleum Export Committee.
48. The full form of NSSO is
- (a) National Sample Survey Organisation
  - (b) National Statistical Survey Organisation
  - (c) National Standard Survey Organisation
  - (d) National Scholarship and Schooling Organisation
49. What is the full form of WIPO?
- (a) World Indigenous Political Organization
  - (b) World Industrial Property Ownership
  - (c) World Intellectual Property Organization
  - (d) World Intellectual Piracy Office
50. What is the full form of ZEDA?
- (a) Zoram Electrical Development Agency
  - (b) Zoram Energy Development Agency
  - (c) Zoram Engineering Development Agency
  - (d) Zoram Entrepreneurship Development Agency
51. Which state is known as the 'Spice Garden of India'?
- (a) Tamil Nadu
  - (b) Kerala
  - (c) West Bengal
  - (d) Karnataka
52. Which state in India is known as the 'Land of Five Rivers'?
- (a) Uttar Pradesh
  - (b) Sikkim
  - (c) Punjab
  - (d) Tamil Nadu
53. Which city is known as the 'City of Dreaming Spires'?
- (a) Cambridge
  - (b) Oxford
  - (c) London
  - (d) Liverpool
54. Which country is known as the 'Cockpit of Europe'?
- (a) Bulgaria
  - (b) Cyprus
  - (c) Sweden
  - (d) Belgium
55. The 'Ninety East Ridge' is a submarine volcanic ridge located in
- (a) Pacific Ocean
  - (b) Atlantic Ocean
  - (c) Antarctic Ocean
  - (d) Indian Ocean
56. Pulitzer Prize is awarded for outstanding work in the field of
- (a) Science and Technology
  - (b) Creative arts and Designs
  - (c) Literature and Journalism
  - (d) Public Service and Social Work
57. Global Citizen Award -2014 was recently conferred by The Atlantic Council to
- (a) Henry Kissinger
  - (b) Barack Obama
  - (c) Xi Jinping
  - (d) Lee Kuan Yew
58. World Food Prize – 2014 was bestowed upon
- (a) M.S.Swaminathan
  - (b) Sanjaya Rajaram
  - (c) Norman Borlaug
  - (d) William Gaud

59. Who was the first Mizo to receive the University Grants Commission's Emeritus Professorship?
- (a) Prof. C.Nunthara (b) Prof. R.Lalthantluanga  
(c) Prof. J.V.Hluna (d) Prof. Lianzela
60. Who won the 2014 Oscar award for best actress?
- (a) Cate Blanchett (b) Judi Dench  
(c) Meryl Streep (d) Sandra Bullock
61. Who formulated "Theory of Relativity"?
- (a) Enrico Fermi (b) Albert Einstein  
(c) Earnest Rutherford (d) Isaac Newton
62. Who invented photocopier?
- (a) Richard G.Drew (b) Robert Hooke  
(c) G.Marconi (d) Chester Carlson
63. Who invented Mobile Phone?
- (a) Martin Cooper (b) Edwin Moore  
(c) Garrett Morgan (d) Walter Hunt
64. What did Nick Holonyak develop in 1962?
- (a) Liquid Crystal Display (LCD) (b) Global Positioning System (GPS)  
(c) Digital Subscriber Line (DSL) (d) Light-emitting Diode
65. Who invented color photography?
- (a) Linus Yale Jr. (b) James Clerk Maxwell  
(c) John Wilkinson (d) Michael Faraday
66. The difference between people with access to computer and the internet and those without this access is known as:
- (a) Digital divide (b) Internet divide  
(c) Web divide (d) Broadband divide
67. What is the full form of WiFi?
- (a) Wireless-internet Fidelity (b) Wireless Fission  
(c) Wireless Fidelity (d) Wireless Fixation
68. What language is used by computers to process data?
- (a) Binary (b) Processing  
(c) Kilobyte (d) Representational
69. A packet of information that travels between a browser and the web server is a
- (a) Bookmark (b) Plug-in  
(c) Cookie (d) Extension
70. Unwanted repetitious messages such as unsolicited bulk e-mail is known as
- (a) Worm (b) Virus  
(c) Spam (d) Malware
71. An acronym for PDF created by Adobe System which cannot be edited is
- (a) Page Definition File (b) Portable Document Format  
(c) Postscript Document Format (d) Package Definition File

72. The non-physical component of a computer system is called  
(a) Hardware (b) Software  
(c) ALU (d) SMPS
73. DPI stands for  
(a) Due Protocol Inspection (b) Do Per Instruction  
(c) Dots Per Inch (d) Digital Programming Inspection
74. Global Positioning System (GPS) is a space-based satellite navigation system developed by  
(a) United States of America (b) European Union  
(c) Microsoft (d) Google
75. LAN stands for  
(a) Large Area Network (b) Local Area Network  
(c) Logarithmic Area Network (d) Least Area Network

**SECTION - B**  
***(Simple Arithmetic - 50 Marks)***

*Marks for each question are indicated against it. Attempt all questions.*

*This Section should be answered only on the Answer Sheet provided.*

1. Choose the correct answer from the following **(5×1=5)**
- (a) If the interest is compounded half-yearly, what will a sum of Rs.6000 amount to in 1 year at 10% per annum?  
(i) Rs.6,010 (ii) Rs.6,615  
(iii) Rs.6,500 (iv) Rs.5,000
- (b) If the cost of 9 toys is Rs.333, find the cost of 15 such toys.  
(i) Rs.500 (ii) Rs.550  
(iii) Rs.455 (iv) Rs.555
- (c) If Rs.420 is divided between A and B in the ratio 2 : 5, then B's share is  
(i) Rs.120 (ii) Rs.220  
(iii) Rs.300 (iv) Rs.320
- (d) What will be 80% of a number whose 200% is 90 ?  
(i) 36 (ii) 40  
(iii) 85 (iv) 180
- (e) If  $\frac{2}{9}$  of a property costs Rs.14,000, then the value of  $\frac{4}{7}$  of that property is  
(i) Rs.25,000 (ii) Rs.36,000  
(iii) Rs.38,000 (iv) Rs.52,000

2. Answer the following questions : (5×1=5)

- (a) Evaluate :  $5\sqrt{12} \times 3\sqrt{12}$
- (b) Find the greatest common divisor (G.C.D.) of  $12a^2b^3$  and  $18ab^4c$ .
- (c) Find the mean of the first six multiples of 4.
- (d) Find the value of  $k$  for which  $x = 2$  is the solution of the equation  $kx^2 + 2x - 3 = 0$ .
- (e) Convert a speed of 6 m/sec. into km/hr.

3. Solve :  $6x^2 + 40 = 31x$  (2)

4. If  $A = (1, 2, 3, 4, 5)$ ,  $B = (4, 5, 6, 7, 8)$  and  $C = (7, 8, 9, 10, 11)$ , find  $(A \cup B) \cap C$ . (2)

5. The list price of a printer is Rs.8,019. It is available for Rs.7,425, including sales tax. What is the rate of sales tax? (2)

6. The diameter of the wheels of a bus is 140 cm. How many revolutions per minute must a wheel make in order to move at a speed of 66 km per hour? (2)

7. Rawna can do a piece of work in 24 days while Awia can do it in 30 days. In how many days can they complete it, if they work together? (2)

8. In a mixture of 28 litres, the ratio of milk and water is 5 : 2. Another 2 litres of water is added to the mixture. Find the ratio of milk and water in the new mixture. (2)

9. A man borrowed Rs.2,500 at 6% per annum simple interest and promised to return it after 73 days along with the interest. Find the amount to be paid at the end of 73 days. (2)

10. A trader marks his goods 25% above cost price and allows a discount of 8% on it. Find his gain per cent. (2)

11. A machine costing Rs.4,800 was bought two years ago. During each of these years, it has lost through depreciation 15% of its value. Find the present value of machine. (2)

12. Kimi goes to a shop to buy a pressure cooker costing Rs.1,962. The rate of sales tax is 9%. She asks the shopkeeper to reduce the price of cooker to such an extent that that she has to pay Rs.1,962 inclusive of sales tax. Find the reduction needed in the price of the cooker. (2)

13. By selling 90 ball pens for Rs.160 a person loses 20%. How many ball pens should be sold for Rs.96 so as to have a profit of 20%? (4)

14. In a city, electricity bill is increased by 20% and the consumption of electricity is decreased by 20%. What is the net effect on revenue from electricity bill? (4)

15. Five years ago, A was thrice as old as B and ten years later A shall be twice as old as B. What are the present ages of A and B? (4)

16. A field is in the form of a circle. The cost of ploughing the field at Rs.3 per  $m^2$  is Rs.11,550. Find the cost of fencing the field at Rs.17 per metre. (4)

17. Kunga borrowed Rs.20,000 at 9% per annum simple interest. On the same day he lent it to Siama at the same rate but compounded annually. What does he gain at the end of 2 years? (4)