

MIZORAM PUBLIC SERVICE COMMISSION
TECHNICAL COMPETITIVE EXAMINATIONS FOR
STAFF NURSE UNDER HEALTH & FAMILY WELFARE DEPARTMENT,
GOVERNMENT OF MIZORAM, AUGUST-2024

PAPER-I

Time Allowed : 3 hours

FM : 200

SECTION - I (Multiple Choice questions)

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

UNIT-A

All questions carry equal marks of 2 each.

Attempt all questions.

1. Pedology refers to the study of -
(a) fossils (b) soils
(c) rocks (d) languages
2. Asiatic Society of Bengal was founded by -
(a) Warren Hastings (b) Robert Clive
(c) Sir William Jones (d) R.N. Tagore
3. The greatest mathematician of the 12th century was -
(a) Annamacharya (b) Bhaskaracharya
(c) Charaka (d) Susruta
4. 'Bahujana Hitaya, Bahujana Sukhaya' is the motto of -
(a) Doordarshan (b) LIC
(c) Zee TV (d) Akashvani
5. The most abundant element in the earth's crust is -
(a) Nitrogen (b) Oxygen
(c) Carbon Dioxide (d) Silicon
6. Triple antigen administered to the children does not provide immunity against -
(a) typhoid (b) diphtheria
(c) tetanus (d) whooping Cough
7. Whose samadhi is referred to as 'Vir Bhumi'?
(a) Mahatma Gandhi (b) Lal Bahadur Shastri
(c) Rajiv Gandhi (d) Indira Gandhi
8. The traditional name of Gujarat is -
(a) Magadha (b) Konkan
(c) Kalinga (d) Saurashtra
9. Ranthambore National Park is situated in -
(a) Uttar Pradesh (b) Rajasthan
(c) Madhya Pradesh (d) Gujarat

10. The borderline between India and China is named as -
(a) Radcliffe Line (b) Mac Mohan Line
(c) Durand Line (d) 38th Parallel
11. Indian constitution borrowed the feature of written constitution from -
(a) USA (b) Great Britain
(c) France (d) Canada
12. India's highest military decoration awarded for acts during wartime is called -
(a) Param Vir Chakra (b) Param Vishisht Seva Medal
(c) Vayu Sena Medal (d) Ati Vishisht Seva Medal
13. Who was the first Governor-General of independent India?
(a) C. Rajagopalachari (b) Lord Mountbatten
(c) Rajendra Prasad (d) Jawaharlal Nehru
14. 'Silly Point' is associated with -
(a) Football (b) Cricket
(c) Tennis (d) Volleyball
15. Pick out the disease caused by bacteria.
(a) Poliomyelitis (b) Mumps
(c) Diphtheria (d) Influenza
16. Mouth and foot diseases in cattle are caused by -
(a) Bacteria (b) Virus
(c) Fungi (d) Penicillium
17. Coagulation of blood in vessels is prevented during normal circulation by -
(a) Heparin (b) Prothrombin
(c) Plasminogen (d) Thromboplastin
18. The Palk Strait lies between:
(a) Gulf of Kachchh and Gulf of Khambat (b) Lakshadweep and Maldivian Islands
(c) Gulf of Mannar and Bay of Bengal (d) Andaman and Nicobar Islands
19. The head of the British Commonwealth of Nations is the -
(a) British Prime Minister (b) British Sovereign
(c) British Foreign Secretary (d) Secretary-General of Commonwealth
20. The colour of a star is an indication of its -
(a) luminosity (b) age
(c) distance from the Sun (d) temperature
21. Some believed that Shakespeare died of Mikulicz Syndrome which is also called -
(a) Tuberculosis (b) Parkinson's disease
(c) Infective hepatitis (d) A rare form of eye Cancer
22. Plants obtain nutrients through their roots by -
(a) buoyancy (b) capillary action
(c) pressure of earth (d) surface tension
23. Where is Schrodinger's Basin?
(a) Jupiter (b) Moon
(c) Venus (d) Andaman and Nicobar Islands

24. The oldest monarchy in the world is -
(a) United Kingdom (b) Nepal
(c) Saudi Arabia (d) Japan
25. Hydroponics is -
(a) growth of plants under laboratory conditions (b) growth of plants in liquid media without soil
(c) soil conservation (d) grafting of plants
26. Charles Babbage designed and built the first mechanical computer and Difference Engine and is known as -
(a) The father of games (b) The father of computer
(c) The father of AI (d) The father of mobile phone
27. An application software that allows the user to write and modify text, display it on a screen, save it electronically, and print it out.
(a) Spreadsheet (b) Email utility
(c) Word processor (d) Presentation tools
28. The main workspace of a Windows computer is called the -
(a) Shortcut (b) Desktop
(c) Folder (d) Taskbar
29. Processor speed refers to the number of cycles per second and is measured in -
(a) Mbps (b) Bits
(c) Core (d) Hertz (Hz)
30. An application program that provides a way to look at and interact with all the information on the World Wide Web.
(a) Internet (b) Browser
(c) Server (d) Web Server
31. Main memory of a computer also known as primary memory is -
(a) SSD (b) Hard Disk
(c) Pen Drive (d) RAM
32. Portrait and Landscape in Microsoft Words are -
(a) Paper Size (b) Page Orientation
(c) Page Layout (d) Page Break
33. A computer-generated environment with scenes and objects that appear to be real, making the user feel they are immersed in their surroundings.
(a) Augmented reality (b) Hologram reality
(c) Virtual reality (d) Video games
34. A device that allows you to digitize physical documents, images and convert them into a digital format that can be viewed and stored on a computer.
(a) Scanner (b) Printer
(c) Plotter (d) OMR
35. A computer interface that allows users to interact with a device through graphical elements such as pictures and animations, as opposed to text-based commands is called -
(a) Graph Use Interface (b) Graphical Unit Interface
(c) Graphical User Interface (d) Graphical Unique Interface
36. In computer systems, a unit of data that is eight binary digits long is -
(a) Bits (b) Bytes
(c) Kilobytes (d) Megabytes

37. Sending copies of the email to anonymous recipients whose names and email addresses will not appear in the email header is -
(a) Carbon copy (b) Blind carbon copy
(c) Receive carbon copy (d) Acknowledge carbon copy
38. Which of the following is not an example of cloud storage solution?
(a) Dropbox (b) iCloud
(c) Google Drive (d) ChatGPT
39. A tool that is used to perform statistical calculation, store, manipulate and analyze data is -
(a) Adobe Photoshop (b) MS Excel
(c) PageMaker (d) PowerPoint
40. A software feature that automates the process of sending bulk mail to customers or subscribers:
(a) Mail merge (b) Document formatting
(c) Database management (d) Format letters
41. Special effects used in PowerPoint to introduce slides in a PowerPoint presentation is called -
(a) Effects (b) Transitions
(c) Custom animations (d) Present animations
42. A unique 15-digit serial number given to every mobile phone which can then be used to check information such as the phone's Country of Origin, the Manufacturer and it's Model Number.
(a) IMEI (b) SIM
(c) IMSI (d) OTP
43. The main webpage of a website is -
(a) Design page (b) Home page
(c) First page (d) Main page
44. A formula in Excel is used to do mathematical calculations and always start with -
(a) % (b) #
(c) = (d) +
45. A contract between a software company and users of that company's software is -
(a) End User Leave Agreement (b) End User License Agreement
(c) Service Provider Agreement (d) Service Level Agreement
46. The average weight of 8 person's increases by 2.5 kg, when a new person comes in place of one of them weighing 65 kg. What might be the weight of a new person?
(a) 76 kgs (b) 76.5 kgs
(c) 85 kgs (d) None of these

Directions (Question Nos. 47 & 48) : Look carefully for the pattern, and then choose which pair of the pattern comes next :

47. 42 40 38 35 33 31 28
(a) 26 23 (b) 25 23
(c) 26 22 (d) 26 24
48. 6 10 14 18 22 26 30
(a) 34 38 (b) 33 37
(c) 36 40 (d) 38 42

Directions (Question No. 49) : In the following question, find out the alternative which will replace the question mark.

49. ABCD : WXYX :: EFHG : ?

- (a) STUV
- (b) ZYXW
- (c) WXZY
- (d) VUTS

50. Pointing towards a woman, Lala said, "She is the daughter of my father's sister". How is the woman related to Lala?

- (a) Brother
- (b) Cousin
- (c) Uncle
- (d) None of these

Directions (Question Nos. 51 & 52) : Three of the words will be in the same classification, the remaining one will not be. Your answer will be the one word that does not belong in the same classification as the others.

51. Which word does NOT belong with the others?

- (a) yard
- (b) ounce
- (c) inch
- (d) centimetre

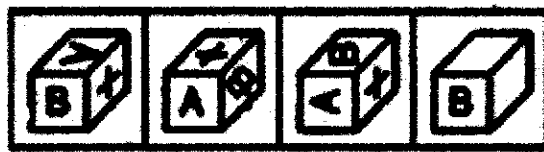
52. Which word does NOT belong with the others?

- (a) dodge
- (b) avoid
- (c) duck
- (d) flee

53. Find out how will the key figure (X) look like after rotation.



X



1

2

3

4

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

54. Choose the alternative which most resembles the mirror-image of the given combination.

FIXING

1. GNIXIF

2. 7IXIŃ

3. ǝNIXIF

4. ǝNIXIF

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

55. 'Umpire' related to 'Match' in the same way as 'Judge' is related to :

- (a) Law suit
- (b) Lawyer
- (c) Judgement
- (d) Bar council

56. The mean(average) marks obtained by 30 students of a class is 46. If the mean marks of the first 18 students is 50, the mean marks of the last 12 students is –

- (a) 40
- (b) 42
- (c) 45
- (d) 50

57. In an election there are two candidates. A candidate gets 35 % of votes and loses the election by 4500 votes. The total number of votes polled is –

- (a) 12000
- (b) 15000
- (c) 16500
- (d) 18000

58. The perimeter of a rectangle is 36 m. If its length is 10 m, then its area is –
(a) 90 m^2 (b) 88 m^2
(c) 84 m^2 (d) 80 m^2
59. Two-thirds of a number is greater than one-fourth of the number by 15. The number is –
(a) 56 (b) 64
(c) 36 (d) 48
60. A train running at a speed of 90 km/h passes a pole on the platform in 18 seconds. The length of the train in metres is –
(a) 400 metres (b) 450 metres
(c) 360 metres (d) 320 metres
61. If the area of a circle is 616 cm^2 , then its radius is -
(a) 14 cm (b) 7 cm
(c) 12 cm (d) 10 cm
62. In a group of 500 people, 315 can speak English and 223 can speak Hindi, and some people can speak both English and Hindi. How many people can speak English only?
(a) 280 (b) 277
(c) 265 (d) 185
63. A vertical pole stands on the level ground. From a point on the ground 25 m away from the foot of the pole, the angle of elevation of its top is found to be 60° . The height of the pole is -
($\sqrt{3} = 1.73$)
(a) 43.25 m (b) 42.65 m
(c) 50.5 m (d) 54.3 m
64. A bag contains 35 balls of which x are red, $2x$ are white and $4x$ are blue. A ball is selected at random. What is the probability that it is red ball?
(a) $\frac{1}{5}$ (b) $\frac{1}{6}$
(c) $\frac{1}{7}$ (d) $\frac{1}{8}$
65. How many spherical bullets can be made out of a solid cube of lead whose edge measures 44 cm, each bullet being 4 cm in diameter?
(a) 2450 (b) 2480
(c) 2500 (d) 2541

UNIT-B

All questions carry equal mark of 1 each.

Attempt all questions.

Directions (Question Nos. 66 - 70) : Identify the Parts of Speech of the underlined words.

66. Still waters run deep.

- (a) noun (b) Verb
(c) adjective (d) adverb

67. He often plays football.

- (a) Verb (b) adjective
(c) noun (d) pronoun

68. She did well in the written test.

- (a) adverb (b) adjective
(c) verb (d) noun

69. The play was fantastic.

- (a) preposition (b) pronoun
(c) noun (d) verb

70. The flowers smell sweet.

- (a) verb (b) adjective
(c) noun (d) pronoun

Directions (Question Nos. 71 - 75) : Choose the correct prepositions to fill in the blank.

71. The work was done _____ haste.

- (a) on (b) in
(c) of (d) for

72. Do not cry _____ spilt milk.

- (a) of (b) with
(c) over (d) under

73. He started _____ six in the morning.

- (a) from (b) at
(c) by (d) to

74. _____ a Ford he has a Fiat car.

- (a) by (b) since
(c) besides (d) for

75. She is known _____ me.

- (a) to (b) by
(c) for (d) of

Directions (Question Nos. 76 - 80) : Choose the correct verb form from the options provided.

76. The cost of all these papers _____ risen.

- (a) are (b) have
(c) has (d) were

77. She often _____ shopping on the weekend.

- (a) is (b) has gone
(c) go (d) goes

78. The earth _____ round the sun.
(a) revolve (b) revolves
(c) revolved (d) revolving
79. She _____ her examination by the next fall.
(a) takes (b) has taken
(c) took (d) will have taken
80. I am not _____.
(a) fine (b) find
(c) fines (d) fined

Directions (Question Nos. 81 - 75) : Choose the appropriate pronouns from the given options.

81. This ribbon is _____.
(a) her (b) hers
(c) she (d) she is
82. Birds flap _____ wings.
(a) it (b) his
(c) their (d) them
83. Our friend _____ we invited to the party, arrived early.
(a) whose (b) how
(c) where (d) whom
84. Anyone _____ comes late to the college will be punished.
(a) whoever (b) where
(c) who (d) when
85. He didn't buy _____ in the end.
(a) nothing (b) something
(c) everybody (d) anything

Directions (Question Nos. 86 - 90) : Choose the word nearest to the opposite of the underlined word in the given sentences.

86. They are committed to challenging the current global warming issue.
(a) undermine (b) support
(c) confront (d) repel
87. Russian leader denounced the US interventions in Europe.
(a) approved (b) criticized
(c) condemned (d) rebuked
88. During the meeting, they discussed a broad range of topics.
(a) sizable (b) expansive
(c) limited (d) substantial
89. His hunger overcame his fear of retribution.
(a) punishment (b) reprisal
(c) recompense (d) clemency
90. The place was a rather barren concrete building.
(a) productive (b) devoid
(c) desolate (d) impoverished

SECTION - II (Conventional Type)

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

Marks for each question is indicated against it.

1. Write an essay on any one of the following topics in not more than 250 words. (15)
 - The challenges and rewards of being a nurse
 - Health is Wealth
 - Promoting mental awareness
2. Read the following passage and answer the question that follow.

Morning walks are a regular feature of my life. I can't remain without them as no one can remain without food. One morning while crossing a deserted bridge, I saw a strange triangle glowing brightly in the sky. As I was staring at it, everything went black. When I regained consciousness, my environment had changed. I was in red desert. Having studied about the planets I knew that this one had to be the red planet. In other words, I was on Mars.

On my finger there was a ring with a golden triangle which glowed just like the one I had seen in the sky. It was emitting some power which helped me survive without breathing. Or else I would have choked and died, for Mars has no air. In fact, it has almost the same phenomenon which supports life on this Earth, but no human being-like beings. Its power helped keep me warm for Mars' normal temperature is around -80oC in which I could freeze to death. The ring also shielded me from the duststorms which are a regular Martian feature. I was hovering above the surface of Mars at a great speed. I saw a 400 km wide and 7 km deep grand canyon that cut across the planet for 5000 km. I knew it was Valles Marineris. At Tharsis Ridge, a high land region nearby, I recognised Mount Olympus Mons. It is the biggest of the four extinct volcanoes that dominate Tharsis Ridge. All around the Volcano there were plains created by ancient lava flow. In some places I saw channels created by flowing lava and also saw dry river beds. I could see the ice caps at its north and south poles. These appear just as those on earth would to a man on Mars. I could see the tilt of the planet. It is tilted at about the same angle that the earth is. It has seasons as we do. This fact is clearly seen in the growing and shrinking of the polar ice caps.

I saw that there is some form of plant life in some low lying areas. These areas, I could see, change from blue-green to brown. I was enjoying the amazing site of craters hollowed into the ground and suddenly everything became black again.

This time when my vision became normal, I was back on the deserted bridge. Only now it was late evening. Had I been daydreaming? No, because the ring was still on my finger and it was still glowing. I then realised that I had a close encounter of the third kind and had spent a day on Mars.

While walking back home I kept thinking - how did I reach the Mars? Why was I the chosen one? Who chose me? and what do I do with the golden triangular glowing ring!

Questions :

- (a) Fill in each of the spaces with one word only. (6×1=6)

The morning walks were as important as (i) _____ for the writer. One morning, while the writer was on his usual morning walk, he found that a strange triangle was (ii) _____ in the sky. The moment he stared at it he found everything had gone black. After (iii) _____ consciousness, he found a complete (iv) _____ in the environment around him. There was a red desert before him. He found a (v) _____ on his finger glowing like the one he had seen in the sky. He found that he could (vi) _____ with the help of a power emitted by it, without breathing.

(b) On the basis of your reading of the passage, answer the following questions as briefly as possible. (5×1=5)

- (i) The writer saw a strange triangle in one of his morning walks when
- (ii) The writer could survive without breathing. This was because
- (iii) 'As I was staring at it...' What was it that the writer was staring at?
- (iv) 'Or else I would have choked and died...' The writer would have died if
- (v) 'These appear just as those...' 'These' here means

(c) Find words from the passage similar in meaning to: (1+1=2)

- (i) sending out
- (ii) protected

(d) Find words from the passage opposite in meaning to: (1+1=2)

- (i) balanced
- (ii) escape

3. Change the narration. (5×1=5)

- (a) The shopkeeper says, "The shop has been closed temporarily."
- (b) The principal said, "I am going to have a meeting tomorrow."
- (c) The stranger said to me, "What is your name?"
- (d) You told her that you had done it.
- (e) The guest said that he would leave the next day.

4. Give the meaning of these phrases. (5×1=5)

- (a) To be given to
- (b) To hold back
- (c) To turn against
- (d) To set in
- (e) To come around

5. Give ONE WORD answer for the following. (5×1=5)

- (a) All-knowing.
- (b) An animal that depends on others for food.
- (c) The practice of having many wives.
- (d) A thing that catches fire easily.
- (e) That cannot be read easily.

* * * * *