

MIZORAM PUBLIC SERVICE COMMISSION

**COMPETITIVE EXAMINATIONS FOR
JUNIOR GRADE OF MIZORAM AGRICULTURE SERVICE (MAS)
UNDER AGRICULTURE DEPARTMENT,
GOVERNMENT OF MIZORAM, JANUARY-FEBRUARY, 2024**

PAPER - II

Time Allowed : 3 hours

FM : 100

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

Direction for Questions No. 1 - 6 : Read the following passage carefully and choose the best answer to each of the questions out of the four alternatives.

"We become brave by doing brave acts," observed Aristotle in *The Nicomachean Ethics*. Dispositions of character, virtues and vices are progressively fixed in us through practice. Thus, by being habituated to despise things that are terrible and to stand our ground against them we become brave; and it is when we have become so, that we shall be most able to stand our ground against them.

However, standing one's ground against threatening things is not to be confused with fearlessness. Being afraid is a perfectly appropriate emotion when confronted with fearful things. The great American novelist Herman Melville makes the Aristotelian point beautifully in a telling passage in *Moby-Dick*, where Starbuck, the chief of a ship tells the crew, "I will have no man in my boat who is not afraid of a whale." By this, he seemed to mean, not only that the most reliable and useful courage was that which arises from the fair estimation of the encountered peril, but that an utterly fearless man is a far more dangerous comrade than a coward.

The brave person is not one who is never afraid. That is rather the description of a rash or reckless person, someone who may do more harm than help in an emergency. It is hard to 'educate' such a person on the spot. The coward on the other hand, the one who characteristically lacks confidence and is disposed to be overly fearful, may yet be susceptible to the encouragement or example. The infectious nature of strikingly courageous behaviour on the part of one person can inspire — and also in part can shame — a whole group. That was one key to the kind of courage inspired by Horatius at the bridge in ancient Rome and by Henry V at Agincourt. It was a key to the kind of courage displayed by those who silently suffered abuse when they joined ranks with Gandhi and Martin Luther King Jr. in acts of non-violent protest directed at rousing the public conscience against injustice.

Another key to their success, of course, was reason, practical reason delivered with the kind of eloquence that is informed by a real command of one's cultural heritage and that steels the will to take intelligent action. The mere inclination to do the right thing is not in itself enough. We have to know what the right thing to do is. We need wisdom — often the wisdom of a wise leader — to give our courage a determinate form, to give it an intelligent direction. And we need the will, the motivating power that inspiring leaders can sometimes help us discover within ourselves, even when we are unable to find it readily on our own.

If Aristotle is right — and I think that he is — then courage is a settled disposition to feel appropriate degrees of fear and confidence in challenging situations (what is ‘appropriate’ varying a good deal with the particular circumstances). It is also a settled disposition to stand one’s ground, to advance or to retreat as wisdom dictates.

Fear of the dark is almost universal among young children, and it provides relatively safe opportunities for first lessons in courage. In families, older siblings are greatly assisted in cultivating their own dispositions in this respect by putting up a brave front before their younger brothers or sisters. “You see? There’s really nothing to be afraid of.” This is an excellent practice and a fine place to begin. Occasions for being brave on behalf of others — for standing by them in challenging circumstances — are occasions for becoming brave ourselves; that is, for learning how to handle our own confidence and fear, for figuring out the right thing to do, and for mustering the will to do it.

So, daring to do what is not good and beneficial for all is far more insidious than not daring to do something for a right cause. Naturally, bravery well-nurtured and backed by moral courage alone is exemplary, and so should be promoted.

1. The person who is never afraid is _____.
(a) brave (b) courageous
(c) rash or reckless (d) strong and confident
2. It is very difficult to _____.
(a) encourage a coward on the spot (b) take a right decision on the spot
(c) inspire a rash person on the spot (d) educate a reckless person on the spot
3. The kind of courage that the writer recommends in this passage was that of _____.
(a) Aristotle (b) the common man
(c) Horatius (d) Martin Luther King Jr.
4. The kind of courage Horatius displayed _____.
(a) can inspire a whole group (b) can put a whole group to shame
(c) both (a) & (b) (d) neither (a) nor (b)
5. Courage is also a natural quality to feel _____.
(a) fear and confidence (b) shame and injustice
(c) rash and reckless (d) determinate and intelligent
6. The antonym of ‘insidious’ is _____.
(a) deceptive (b) straightforward
(c) beneficial (d) artful

Direction for Questions No. 7 - 12 : Read the following passage carefully and choose the best answer to each of the questions out of the four alternatives.

The New Year is a time for resolutions. Mentally at least, most of us could compile formidable lists of ‘do’s’ and ‘don’ts’. The same old favourites recur year in year out with monotonous regularity. We resolve to get up earlier each morning, eat less, find more time to play with the children, do a thousand and one jobs about the house, be nice to people we don’t like, drive carefully and take the dog for a walk everyday. Past experience has taught us that certain accomplishments are beyond attainment. If we remain deep-rooted liars, it is only because we have so often experienced the frustration that results from failure.

Most of us fail in our efforts at self-improvement because our schemes are too ambitious and we never have time to carry them out. We also make the fundamental error of announcing our

resolutions to everybody so that we look even more foolish when we slip back into our old bad ways. Aware of these pitfalls, this year I attempted to keep my resolutions to myself. I limited myself to two modest ambitions : to do physical exercise every morning and to read more every evening. An all night party on New Year's Eve provided me with a good excuse for not carrying out either of these new resolutions on the first day of the year, but on the second, I applied myself assiduously to the task.

The daily exercise lasted only eleven minutes and I proposed to do them early in the morning before anyone had got up. The self-discipline required to drag myself out of bed eleven minutes earlier than usual was considerable. Nevertheless, I managed to creep down into the living room for two days before anyone found me out. After jumping about on the carpet and twisting the human frame into uncomfortable positions, I sat down at the breakfast table in an exhausted condition. It was this that betrayed me. The next morning the whole family trooped in to watch the performance. That was really unsettling but I fended off the jibes and taunts of the family good humouredly and soon everybody got used to the idea. However, my enthusiasm waned, the time I spent at exercises gradually diminished. Little by little the eleven minutes fell to zero. By January 10th I was back to where I had started from. I argued that if I spent less time exhausting myself at exercises in the morning, I would keep my mind fresh for reading when I got home from work. Resisting the hypnotizing effect of television, I sat in my room for a few evenings with my eyes glued to a book.

One night, however, feeling cold and lonely, I went downstairs and sat in front of the television pretending to read. That proved to be my undoing, for I soon got back to the old habit of dozing off in front of the screen. I still haven't given up my resolution to do more reading. In fact, I have just bought a new book entitled 'How to read a Thousand Words a Minute'. Perhaps it will solve my problem, but I just haven't had time to read it.

7. The writer mentioned examples of New Year resolutions.
 - (a) Four
 - (b) Five
 - (c) Six
 - (d) Seven
8. Most of us fail in our efforts for self-improvement due to-
 - (a) frustration
 - (b) ambitious schemes
 - (c) fear of ridicule
 - (d) too many resolutions
9. The writer stopped his morning exercises because-
 - (a) of exhaustion
 - (b) his eagerness diminished
 - (c) he wanted to read
 - (d) his family made fun of him
10. It is clear that the writer has failed in his resolution to do more reading as-
 - (a) he felt cold and lonely
 - (b) he was exhausted by his morning exercises
 - (c) he had not read his new book
 - (d) he got back to his old habit
11. The writer failed to implement his New Year resolutions because-
 - (a) his family members disturbed him
 - (b) he lacked will power to execute them
 - (c) his resolutions were too ambitious
 - (d) he did not have time
12. The meaning of 'pitfall' is-
 - (a) drawback
 - (b) coward
 - (c) withdraw
 - (d) retreat

Direction for Questions No. 13-19 : Identify the notion/concept expressed by the following sentences by choosing the given alternatives.

13. Give us this day our daily bread.
(a) command (b) possibility
(c) entreaty (d) obligation
14. If I were you, I would not do it.
(a) supposition (b) possibility
(c) prohibition (d) ability
15. Write neatly.
(a) ability (b) suggestion
(c) obligation (d) command
16. He drew his sword that he might defend himself.
(a) purpose (b) ability
(c) condition (d) order
17. I did it because I wanted to.
(a) condition (b) cause
(c) duty (d) request
18. Few are better leaders than he.
(a) supposition (b) comparison
(c) condition (d) purpose
19. He behaved in such a manner that his reputation suffered.
(a) suggestion (b) supposition
(c) possibility (d) consequence

Direction for Questions No. 20 - 26: Choose the option that completes the sentence most appropriately.

20. Today the CEO announced that the company will _____ into Europe next year.
(a) concentrate (b) extend
(c) expand (d) triumph
21. I quickly _____ my boss' meeting invite to let him know I would be there.
(a) confirmed (b) recognized
(c) refused (d) excepted
22. The banks and financial institutions had been experiencing considerable difficulties in _____ loans and enforcement of securities charged with them.
(a) inventing (b) discovering
(c) recovering (d) originating
23. The modern-day student is extremely _____ with technology.
(a) hindered (b) disconnected
(c) dreary (d) savvy
24. The _____ of this game are so excited that sometimes it may convert into chaos.
(a) campaigns (b) champions
(c) reformers (d) supporters

25. I will write a letter to you tentatively _____ the date of the programme.
(a) propagating (b) indicating
(c) involving (d) urging
26. Vaccination should be _____ by law for everyone.
(a) mandatory (b) lawful
(c) avoidable (d) none of these
27. The source(s) of conflict in an organisation include(s):
(a) Environmental stress (b) Informational deficiencies
(c) Personal differences (d) All of these
28. _____ satisfies the other party's concerns while neglecting one's own in conflict management
(a) Avoiding approach (b) Collaborating approach
(c) Accommodating approach (d) None of these
29. In _____ stage of team development, the team is faced with disagreements and counter-dependence
(a) Storming (b) Forming
(c) Performing (d) Norming
30. In these times of growing economic turbulence, unless new reserves are found soon, the world's supply of natural gases is being depleted in such a way that with demand continuing to grow at the present rates, reserves will be exhausted by the year 2200 AD.
Which of the following, if true, will most weaken the above argument?
(a) There has been a slowdown in the rate of increase in world demand for natural gases over the last decade from 20% to 10%
(b) It has been known for many years that there are vast stocks of natural gases under Antarctica which have yet to be economically exploited.
(c) Electricity is being used increasingly in place of natural gases for any industrial and domestic uses.
(d) None of these
31. Encounter stressor(s) include(s):
(a) Rapid change (b) Unpleasant expectations
(c) Lack of control (d) Role conflicts
32. Core dimensions of empowerment include(s):
(a) Trust (b) Self-determination
(c) Self-efficacy (d) All of these
33. Trying to give detailed instructions orally is one form of.....barriers
(a) Feedback (b) Transmission
(c) Encoding (d) Decoding
34. Interpersonal communication is also called:
(a) Mass communication (b) Dyadic communication
(c) Virtual reality (d) None of these
35. To communicate easily and effectively with your readers, _____ principles of communication are applied:
(a) Nine (b) Seven
(c) Six (d) Four

Direction for Questions No. 36-38: Fill in the blanks with the appropriate words.

36. The jury's views _____ with those of the lawyer on the issues of crime and punishment
(a) Ally (b) Coincided
(c) Approve (d) Apprise
37. The President has _____ to the demands to release secret documents related to the army
(a) Endorsed (b) Refused
(c) Acceded (d) Vetoed
38. Wearing a safety helmet is _____ in this area
(a) Obligatory (b) Compulsion
(c) Option (d) Resolved

Direction for Questions No. 39-48: Select the best answer from the options provided.

39. You are heading a cyber forensic team in a government department. In an order passed by your immediate supervisory officer, three of your team members have been recommended for foreign training of two weeks, but your name has not been considered, although you had mooted the proposal for this training programme. You suspect that it is deliberate on part of your boss with whom you had differences of opinion on another project. As a first point of action, you would:
(a) Write a formal complaint against your boss alleging favouritism and vendetta
(b) Seek audience from your boss's superiors and bring this injustice to their knowledge
(c) Speak to your boss requesting him to reconsider his decision because, being the head of the team, it is appropriate that you go for training in the first round.
(d) Speak some of your political contacts to pressurise your boss to include your name.
40. You had made a request to the State Civil Works department for repair of roads of your colony which are in pathetic condition. The roads have not been repaired as yet, but in response to an RTI application filed by you, the official records show that the repair has been done and the contractor has been paid for it. You tried to meet the executive engineer but has been avoiding meeting you on one pretext or the other. Meanwhile the contractor has approached you and threatened you with dire consequences if you take any further action. He assures that the roads around your residence / adjoining it will be duly repaired in lieu of your silence. Which amongst the following will you take?
(a) File a written complaint against the Executive Engineer and the contractor, despite the threat.
(b) Keep silent and accept the contractors offer of getting the roads only around your house repaired. This way something will be done and you will be saved from the hassles of confrontation with the authorities and the contractor.
(c) Take initiative and garner people in your colony to file a joint memorandum against the civic-authorities and the contractor.
(d) Plan to shift your residence to a better locality which enjoys the services of a more responsible and better civic-agency.
41. You are a 'vigilance officer' of a government hospital which always faces acute shortage of beds for indoor treatment of patients. One day you receive a complaint from a patient that he has been denied admission in the cancer department of the hospital while the son of a hospital staff (also suffering from cancer) is being granted admission in the cancer department (on that very day). He pleads you for intervention. On inquiry you find that there is only one bed vacant in the cancer department, while next vacancy will arise in 3-4 days' time, what will be your preferred choice of action?
(a) Admit the staff's son and recommend the complaint's admission in another government hospital. This is so as union problem will arise if the son of the staff is not given admission.

- (b) Admit the complainant and recommend the staff's son to another government hospital. This is so, as complainant threatens to call media if he is denied admission.
 - (c) Deny admission to both as either way you foresee a problem.
 - (d) Seek the medical report and input about the urgency of admission of both. Admit the one needing immediate attention while ask the other wait for 2-3 days.
42. You are appearing for a competitive examination, based on which you will be admitted for certain post graduate courses. The ratio of the number of seats available to applicants is 1:250, but you fancy that you have the chances of qualifying. During the examination you suddenly hear lot of noises. You come to know that a group of students were spotted using unfair means. A student complained to the invigilator about these students which led to a quarrel and commotion. You find it very difficult to concentrate and the commotion does not seem to be settling down. In such circumstances you would:
- (a) Join ranks with the student who has complained about the group which was cheating and ask the invigilator to expel them, as students using unfair means stand better chance in this stiff competition.
 - (b) March out of the examination hall in protest against the noise and cheating and threaten to have the examination cancelled by complaining to the governing body.
 - (c) Ask the invigilator politely to take the quarrelling candidates out of the examination hall and take the disciplinary action against the guilty.
 - (d) Do nothing but wait for the noise to settle down.
43. You have to submit a project proposal but the presentation you made last night is missing and you are unable to find it in your computer. What you would do to handle the situation?
- (a) Make the file ready again as soon as possible to present
 - (b) Reschedule the presentation and restart working on it.
 - (c) Refuse to present as you lack the resources
 - (d) Do nothing and rest
44. You are outside your home and notice that your phone has only 20% battery left and you have to book a cab to go home. You will:
- (a) Switch off the phone to save battery
 - (b) Put your phone in battery saving mode and hail a cab from the stand
 - (c) Book a cab from your phone and then put on battery saving mode.
 - (d) Breathe a lot of fresh air and then walk home
45. You are in a huge debt. How will you pay the debt?
- (a) Plan an EMI
 - (b) Sell your ancestral land and pay off the debt
 - (c) Take loan from another bank and pay the previous one
 - (d) Do nothing
46. The people of a few villages of a district of which you are a District Magistrate are suffering from a strange disease resulting in vomiting, dehydration, other complications and even death. Initial medical reports suggest contamination of underground water with some radioactive substance, to be responsible for it. Villagers have no alternative source of water and the medical team has recommended setting up of a relief camp where safe drinking water, food and medicine can be provided and their conditions monitored. The villagers are reluctant to move in a relief camp due to fear of house break and even suspicion of the medical reports. They perceive it as a curse. In such a situation the immediate course of action you would adopt is to:
- (a) Send a detailed report to ministry seeking their direction

- (b) Pass an order for shifting the villagers to the relief camps as otherwise more deaths would take place.
 - (c) Pass an order for setting up of relief camps but leave it to people to live there or not.
 - (d) Try to galvanise political and social support to convince people to move to relief camps.
47. You are a regional manager of a company engaged in manufacturing of plastic products. The region under your supervision has the maximum number of production units. You have received a complaint from a section of workers of one unit alleging that the unit-head indulges in corruption and favouritism. That particular unit has the highest production in the region. The company headquarters wants you to take quick action as dissatisfaction amongst workers, if allowed to spread, could take the shape of a strike. Which course of action would you adopt?
- (a) Remove the unit head and appoint the next in line as the acting unit head. This would satisfy the complainants.
 - (b) Take no action as the unit has been functioning well and disturbing the administrative set up won't proper.
 - (c) Undertake a visit to the unit and find out the root cause of the problem. Speak to the unit head and disgruntled workers if need be. But this may take some time as you are preoccupied with some urgent work.
 - (d) Call for a report from the unit head regarding the allegations levelled against him.
48. You are in a hurry to reach your office and jump a traffic light when it is red. The traffic policeman stops you and asks you to pay a fine (challan) of Rs.500. You would:
- (a) Intimate the policeman that you are a senior government servant who was in a hurry to go to office to attend an urgent meeting and therefore be excused.
 - (b) Call a friend in the police department and ask him to request the policeman to spare you
 - (c) Try to argue that the light was yellow when you crossed it and save yourself from fine although you know that the light had turned red.
 - (d) You would pay the fine.

Direction (Questions No. 49 & 50): Read the following carefully and answer the questions.

49. Hicks gives _____ as type(s) of creativity in sound decision-making
- (a) Saturation
 - (b) Deliberation
 - (c) Incubation
 - (d) Synthesis
50. The first steps in decision making is:
- (a) Problem Analysis
 - (b) Problem Identification
 - (c) Selection of alternative
 - (d) None of these
51. Six persons, M, N, O, P, Q and R are sitting in two rows, three in each. Q is not at the end of any row. P is second to the left of R. O is the neighbour of Q and is sitting diagonally apposite to P. N is the neighbour of R. On the basis of the above information, who is facing N?
- (a) R
 - (b) Q
 - (c) P
 - (d) M
52. Six books, A, B, C, D, E and F are placed side by side. B, C and E have blue cover and the other books have red cover. Only D and F are new books and the rest are old. A, C and D are law reports and the other are gazetteers. What book is a new law report with a red color?
- (a) A
 - (b) B
 - (c) C
 - (d) D

53. A Badminton player won 6 games and lost 4. The fraction of the games he won is:
- (a) $3/2$ (b) $2/3$
(c) $3/5$ (d) $2/5$
54. What fraction of 2 hours is 12 seconds?
- (a) $1/600$ (b) $1/12$
(c) $1/60$ (d) $1/300$
55. Find the maximum number of students among whom 63 pens and 140 exercise books can be distributed in such away that each student gets the same number of pens and same number of exercise books, is
- (a) 63 (b) 31
(c) 70 (d) 7

Direction for Questions No. 56-58: Choose the word which is the exact opposite of the given words

56. COMMISSIONED
- (a) Terminated (b) Started
(c) Finished (d) Closed
57. ARTIFICIAL
- (a) Red (b) Natural
(c) Truthful (d) Solid
58. RELINGUISH
- (a) Abdicate (b) Renounce
(c) Possess (d) Deny

Direction for Questions No. 59 & 60: Choose the one which can be substituted for the words/sentences given below

59. Extremely old age when a man behaves like a fool
- (a) Imbecility (b) Superannuation
(c) Dotage (d) Senility
60. A person who insists on something
- (a) Disciplinarian (b) Stickler
(c) Instantaneous (d) Boaster

Direction for Questions No. 61 & 62: Read the following passage and answer the questions

What needs to be set right is our approach to work. It is a common sight in our country of employees reporting for duty on time and at the same time doing little work. If an assessment is made of time they spent in gossiping, drinking tea, eating "pan" and smoking cigarettes, it will be shocking to know that the time devoted to actual work is negligible. The problem is the standard which the leadership in administration sets for the staff. Forgot the ministers because they mix politics and administration. What do top bureaucrats do? What do the below down officials do? The administration set up remains weak mainly because the employees do not have the right example to follow and they are more concerned about being in the good books of the bosses than doing work.

61. The employees in our country
- (a) are quite punctual but not duty conscious
(b) are not punctual but somehow manage to do their work
(c) are somewhat lazy but good natured
(d) are not very highly qualified

62. The word 'assessment' means

- (a) Enquiry
- (b) Report
- (c) Summary
- (d) Evaluation

Direction for Questions No. 63 & 64: In each of the following questions, there is a certain relationship between two given words on one side of (::) while the other word is to be found from the given alternatives, having the same relation with this word as the words of the given pair bear. Choose the correct alternative

63. Smoke: Pollution:: War:?

- (a) Peace
- (b) Treaty
- (c) Victory
- (d) Destruction

64. Motorcycle: Battery :: Life:?

- (a) Comet
- (b) Star
- (c) Sun
- (d) Light

Direction for Questions No. 65 & 66: These questions are based on certain relation. Find out the particular letters which are related to the letters given in questions

65. 'MP' is related to 'NQ' in the same way as 'BE' is related to

- (a) CF
- (b) DG
- (c) CG
- (d) None of these

66. 'WT' is related to 'QN' in the same way as 'FC' is related to

- (a) KH
- (b) MJ
- (c) ZW
- (d) GK

Direction for Questions No. 67 & 68: Answer the following questions:

67. A, B, C, D and E each has different heights. D is only shorter than B. E is shorter than A and C. Who is the shortest of them?

- (a) E
- (b) A
- (c) Data inadequate
- (d) None of these

68. N is more intelligent than M. M is not as intelligent as Y. X is more intelligent than Y but not as good as N. Who is the most intelligent of all?

- (a) N
- (b) M
- (c) X
- (d) Y

Direction for Questions No. 69 & 70: Read the following information and answer the questions given below:

Eight friends P, Q, R, S, T, U, V and W are sitting around a circular table facing centre, Q is sitting between V and S. W is third to the left of Q and second to the right of P. R is sitting between P and V. Q and T are not sitting opposite to each other.

69. Which of the following statement is not correct?

- (a) S and P are sitting opposite to each other
- (b) V and Q are not sitting opposite to each other
- (c) R and T are sitting opposite to each other
- (d) None of these

70. Who is third to the left of S?

- (a) U
- (b) P
- (c) T
- (d) S

Direction for Questions No. 71 & 72 : In each series look for the degree and direction of change between the numbers. In other words, do the numbers increase or decrease and by, how much.

71. Look at this series: 2, 1, $1/2$, $1/4$, ... what number should come next ?

- (a) $1/3$
- (b) $1/8$
- (c) $2/8$
- (d) $1/6$

72. Look at this series: 5.2, 4.8, 4.4, 4, what number should come next?

- (a) 3
- (b) 3.3
- (c) 3.5
- (d) 3.6

73. If day before yesterday was Saturday, then what day of the week will it be on day after tomorrow?

- (a) Friday
- (b) Thursday
- (c) Wednesday
- (d) Tuesday

74. Pointing towards a girl, Zova said, "she is the only daughter of my grandfather's son". How is that girl related to Zova?

- (a) Daughter
- (b) Sister
- (c) Cousin
- (d) Data inadequate

75. What is the main purpose of a firewall in computer security?

- (a) To keep the computer warm
- (b) To block unauthorized access to a network
- (c) To clean the computer screen
- (d) To speed up internet connections

76. Which feature in PowerPoint allows you to rehearse your presentation timing?

- (a) Slide Transitions
- (b) Presenter View
- (c) Slide Show
- (d) Animation

77. What is the keyboard shortcut to start a slideshow from the beginning in PowerPoint?

- (a) F5
- (b) F9
- (c) Shift+S
- (d) Ctrl+P

78. In Excel, how can you freeze the top row and first column to keep them visible while scrolling through a large worksheet?

- (a) Split the worksheet
- (b) Use the "Freeze Panes" feature
- (c) Lock the cells
- (d) Use the "Hide Rows" and "Hide Columns" options

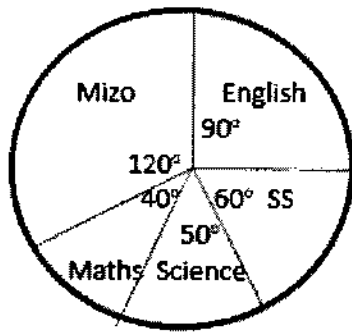
79. Which chart type is best for showing the relative proportions of a whole in Excel?

- (a) Line Chart
- (b) Bar Chart
- (c) Pie Chart
- (d) Scatter Plot

80. Which view in Microsoft Word displays the document as it will appear when printed?

- (a) Print Layout View
- (b) Draft View
- (c) Outline View
- (d) Web Layout View

81. What does the term "Resolution" refer to in image editing?
- (a) The image's color depth (b) The image's file format
(c) The image's transparency level (d) The image's size in pixels
82. Which type of filter in photo editing can be used to make an image look like an oil painting or watercolor?
- (a) Sharpen filter (b) Blur filter
(c) Artistic filter (d) Noise filter
83. What does "URL" stand for in the context of digital technology and the internet?
- (a) Universal Resource Locator (b) Unifying Resource Locator
(c) Universal Retrieval Link (d) Uniform Resource Locator
84. What is the smallest unit of data in a digital system?
- (a) Bit (b) Byte
(c) Nibble (d) Kilobyte
85. Which of the following is equivalent to one terabyte (TB)?
- (a) 1,000 megabytes (MB) (b) 1,024 gigabytes (GB)
(c) 1,024,000 kilobytes (KB) (d) 1,024,000,000 bytes
86. In the context of wireless networks, what does "SSID" stand for?
- (a) Secure System Identifier (b) Signal Strength Indicator
(c) Service Set Identifier (d) Standard Security Instruction
87. What term is used to describe the practice of accessing a website's data and displaying it within another website?
- (a) Hacking (b) Phishing
(c) Framing (d) Spamming
88. Which of the following is an application of Generative AI?
- (a) Identifying objects in images (b) Diagnosing medical conditions
(c) Enhancing computer hardware performance (d) Translating languages in real-time
89. The average age of A, B and C is 26 years. If the average age of A and C is 29 years, then the age of B is –
- (a) 20 years (b) 22 years
(c) 25 years (d) 27 years
90. In the given figure, the pi-chart gives the mark scored in an examination by a student in Mizo, English, Maths, SS and Science. If the student obtained 180 marks in Mizo, in which subject did the student score 90 marks?



- (a) Maths (b) English
(c) Hindi (d) SS

91. A thief steals a car at 1:30 pm and drives it at a speed of 60 km per hour. The theft is discovered at 2 p.m and the owner sets off in another car at 80 km per hour. The owner will overtake the thief at-

- (a) 3:30 p.m (b) 3:25 p.m
(c) 3:20 p.m (d) 3:15 p.m

92. If 60 % of a number is 120 more than 20 % of the number, then 28 % of the number is less than $33\frac{1}{3}$ % of the number by--

- (a) 13 (b) 16
(c) 18 (d) 19

93. The three numbers are in the ratio $\frac{1}{2} : \frac{2}{3} : \frac{3}{4}$. The difference between the greatest and the smallest number is 36. The smallest number is -

- (a) 64 (b) 65
(c) 72 (d) 84

94. A sold a car to B at a profit of 20 %. B incurred loss of 10% while selling the same car to C. A bought the car for Rs 50000. At what price did C buy it?

- (a) Rs 54000 (b) Rs 55000
(c) Rs 56000 (d) Rs 58000

95. A wire is looped in the form of a circle of radius 28 cm. It is rebent in the form of a square. The area of the square is -

- (a) 1890 cm² (b) 1880 cm²
(c) 1920 cm² (d) 1936 cm²

96. The dimensions of a rectangular water tank are 2 m 75 cm by 1 m 80 cm by 1 m 40 cm. How many litres of water does it hold when filled to the brim?

- (a) 7200 litres (b) 6930 litres
(c) 6850 litres (d) 5990 litres

97. Two poles of heights 10 m and 18 m stand on a plane ground. If the distance between the feet of the poles is 15 m, then the distance between their tops is -

- (a) 12 m (b) 14 m

(c) 17 m

(d) 19 m

98. Rama and Dova can do a piece of work in 45 days and 40 days respectively. They began the work together, but Rama leaves after 9 days. In how many days will Dova finish the remaining work?

(a) 23 days

(b) 21 days

(c) 18 days

(d) 16 days

99. The present age of a father is 3 years more than three times the age of his son. 3 years hence, father's age will be 10 years more than twice the age of his son. The father's present age is –

(a) 38 years

(b) 36 years

(c) 35 years

(d) 33 years

100. In a group of 500 persons, 350 can speak English and 240 can speak Hindi. How many can speak English only?

(a) 250

(b) 260

(c) 265

(d) 270
