

2021-22 MCS Preliminary Exam Paper II

Direction for Question Nos. 1 – 3 : Read the following passage carefully and choose the best answer to each of the questions out of the four alternatives:

In the 16th century, an age of great marine and terrestrial exploration, Ferdinand Magellan led the first expedition to sail around the world. As a young Portuguese noble, he served the king of Portugal, but he became involved in the quagmire of political intrigue at court and lost the king's favor. After he was dismissed from service by the king of Portugal, he offered to serve the future Emperor Charles V of Spain.

A papal decree of 1493 had assigned all land in the New World west of 50 degrees W longitude to Spain and all the land east of that line to Portugal. Magellan offered to prove that the East Indies fell under Spanish authority. On September 20, 1519, Magellan set sail from Spain with five ships. More than a year later, one of these ships was exploring the topography of South America in search of a water route across the continent. This ship sank, but the remaining four ships searched along the southern peninsula of South America. Finally they found the passage they sought near 50 degrees S latitude. Magellan named this passage the Strait of All Saints, but today it is known as the Strait of Magellan.

One ship deserted while in this passage and returned to Spain, so fewer sailors were privileged to gaze at that first panorama of the Pacific Ocean. Those who remained crossed the meridian now known as the International Date Line in the early spring of 1521 after 98 days on the Pacific Ocean. During those long days at sea, many of Magellan's men died of starvation and disease.

Later, Magellan became involved in an insular conflict in the Philippines and was killed in a tribal battle. Only one ship and 17 sailors under the command of the Basque navigator Elcano survived to complete the westward journey to Spain and thus prove once and for all that the world is round, with no precipice at the edge.

1. Magellan was dismissed from the King of Portugal because

(a) he wanted to explore the world	(b) he lost his favour
(c) he was old and unable to work	(d) he was a noble
2. Magellan was killed in a tribal battle after becoming involved _____ in the Phillipines.

(a) with thieves	(b) with crooked sailors
(c) in a dispute	(d) in a love triangle
3. the word 'precipice' means

(a) dangerous	(b) stormy weather
(c) mountain ranges	(d) steep cliff

Direction for Question Nos. 4 – 7 : Read the following passage carefully and choose the best answer to each of the questions out of the four alternatives:

The Trojan War is one of the most famous wars in history. It is well known for the 10-year duration, for the heroism of a number of legendary characters, and for the Trojan horse. What may not be familiar, however, is the story of how the war began.

According to Greek myth, the strife between the Trojans and the Greeks started at the wedding of Peleus, King of Thessaly, and Thetis, a sea nymph. All of the gods and goddesses had been invited to the wedding celebration in Troy except Eris, goddess of discord. She had been omitted from the guest list because her presence always embroiled mortals and immortals alike in conflict.

To take revenge on those who had slighted her, Eris decided to cause a skirmish. Into the middle of the banquet hall, she threw a golden apple marked "for the most beautiful." All of the goddesses began to haggle over who should possess it. The gods and goddesses reached a stalemate when the choice was narrowed to Hera, Athena, and Aphrodite. Someone was needed to settle the controversy by picking a winner. The job eventually fell to Paris, son of King Priam of Troy, who was said to be a good judge of beauty. Paris did not have an easy job. Each goddess, eager to win the golden apple, tried aggressively to bribe him.



“I’ll grant you vast kingdoms to rule,” promised Hera. “Vast kingdoms are nothing in comparison with my gift,” contradicted Athena. “Choose me and I’ll see that you win victory and fame in war.” Aphrodite outdid her adversaries, however. She won the golden apple by offering Helen, daughter of Zeus and the most beautiful mortal in the land, to Paris. Paris, anxious to claim Helen, set off for Sparta in Greece.

Although Paris learned that Helen was married, he nevertheless accepted the hospitality of her husband, King Menelaus of Sparta. Therefore, Menelaus was outraged for a number of reasons when Paris departed, taking Helen and much of the king’s wealth back to Troy. Menelaus collected his loyal forces and set sail for Troy to begin the war to reclaim Helen.

4. The story of how the Trojan War started is not very
 - (a) Clear
 - (b) Well- known
 - (c) Violent
 - (d) Obscure
5. The word ‘skirmish’ means
 - (a) Fight
 - (b) Quarrel
 - (c) Dancing
 - (d) Gossip
6. Athena _____ Hera, promising Paris victory and fame in war.
 - (a) opposed
 - (b) defeated
 - (c) agreed with
 - (d) confused
7. The word closest in meaning to “stalemate” is
 - (a) When neither side has an advantage
 - (b) When one side uses trickery to gain advantage
 - (c) Committing adultery
 - (d) Committing theft

Direction for Question Nos. 8 – 11 : Read the following passage carefully and choose the best answer to each of the questions out of the four alternatives:

True, it is the function of the army to maintain law and order in abnormal times. But in normal times there is another force that compels citizens to obey the laws and to act with due regard to the rights of others. The force also protects the lives and the properties of law-abiding men. Laws are made to secure the personal safety of its subjects and to prevent murder and crimes of violence. They are made to secure the property of the citizens against theft and damage, to protect the rights of communities and castes to carry out their customs and ceremonies, so long as they do not conflict with the rights of others.

Now the good citizen, of his own free will obey these laws and he takes care that everything he does is done with due regard to the rights and well-being of others. But the bad citizen is only restrained from breaking these laws by fear of the consequence of his actions. And the necessary steps to compel the bad citizen to act as a good citizen are taken by this force. The supreme control of law and order in a State is in the hands of a Minister who is responsible to the State Assembly and acts through the Inspector General of Police.

8. Which of the following is not implied in the passage?
 - (a) Law protects those who respect it
 - (b) Law ensures people’s religious and social rights absolutely and unconditionally
 - (c) A criminal is deterred from committing crimes only for fear of the law
 - (d) The forces of law help to transform irresponsible citizens into responsible ones
9. According to the writer, which one of the following is not the responsibility of the police?
 - (a) To protect the privileges of all citizens
 - (b) To check violent activities of citizens
 - (c) To ensure peace among citizens by safeguarding individual rights
 - (d) To maintain peace during extraordinary circumstances

10. Out of the following which one has the opposite meaning to the word 'restraint' in the passage?
- (a) Promoted (b) Accelerated
(c) Intruded (d) Inhibited
11. The last sentence of the passage implies that
- (a) The Inspector General of Police is the sole authority in matters of law and order
(b) In every State, maintenance of public peace is under the overall control of the responsible Minister
(c) A Minister and a responsible State Assembly exercise direct authority in matters pertaining to law and order
(d) The Inspector General of Police is responsible to the State Assembly for maintaining law and order

Direction for Question Nos. 12 – 15 : Read the following passage carefully and choose the best answer to each of the questions out of the four alternatives:

A close look at the facts relating to political interference in administration shows that it is not a one-way process. There is often a nexus between power-hungry and corrupt politicians and civil servants with convenient principles. Many civil servants are only too anxious to oblige the politicians, and then cash the obligation when they need some special favour. So the attitude of self-righteousness adopted by the civil service is sometimes only a way of covering their own flaws by blaming others.

Every now and then some retired civil servants come out with his memoirs, painting a glorious picture of the heights of administrative efficiency reached during his reign. There is often the suggestion that had there not been so much political interference, things would have been even more fantastic. It is not unusual for the self-styled hero to blame not only interfering politicians but also fellow civil servants who were idiots or crooks, for his failures. This attitude of smug self-satisfaction is, unfortunately, developed during the years of service. Self-preservation rather than service is encouraged by our whole system of rules and procedures.

The remedy has to be drastic and quickly effective. The over-protection now granted to civil servants must end. Today to remove an erring civil servant is just not possible. And the only thing that the highest authority in the Government, both in the State and at the Centre, can do is to transfer an official from one job to another.

The rules for taking disciplinary action are so complicated that, in the end, the defaulting civil servant gets away, and gets his full emoluments even for the period of the disciplinary proceedings, thus making it a paid holiday for him.

The result is that the administration has become rule-oriented and not result-oriented. Action is possible against the official who takes some interest in his work, but no action is ever taken against a person who does not deliver the goods. If the country is to adopt a result-oriented approach, it is necessary to link job performance with job retention.

12. The existing system of administration seems to encourage civil servants
- (a) to become self-styled heroes and boss over others
(b) to present a glorious picture of the administration
(c) to become self-centred and concerned mainly about their own gain
(d) to become self-righteous and fight back against corrupt politicians
13. The problem with the present set-up needing urgent action is
- (a) a lack of accountability on the part of civil servants
(b) a lack of control over the power of politicians
(c) a neglect of the ideals of self-righteousness
(d) complicated rules and procedures that greatly reduce efficiency

14. According to existing procedures, if a civil servant is found to be unsuitable or dishonest,
- he can appeal to an authority like the Supreme Court
 - politicians with whom he has special links will interfere to help him
 - transferring him to another post is the usual action taken
 - a conflict between Central Government and State Government can arise
15. The expression 'deliver the goods' means
- show good job performance
 - accept bribes or other illegal favours
 - make payments of black money as bribes
 - successfully defend oneself against a charge, in a disciplinary inquiry

Direction for Question Nos. 16 – 17 : Read the following passage carefully and choose the best answer to each of the questions out of the four alternatives:

As the rulers of the planet, humans like to think that it is the large creatures who will emerge victorious from the struggle for survival. However, nature teaches us the opposite, it is often the smallest species which are the toughest and most adaptable. A perfect example is the hummingbird, which is found in the Americas. One species of hummingbird is known as the bee hummingbird ranks as the world's smallest and lightest bird and it is barely visible when it is in flight.

Hummingbirds are the only birds that can fly backwards. They feed mainly on the nectar of flowers, a liquid that is rich in energy. Nectar is an ideal food source, for hummingbirds need an incredible amount of energy to sustain their body metabolism. A hummingbird's wings flap at a rate of about 80 times per second and its tiny heart beats more than 1000 times per minute. This is why they must consume relatively large quantities of food. In the course of a day, a hummingbird consumes about half its body weight in nectar.

16. Hummingbirds need a lot of energy in order to
- maintain their body metabolism
 - flap their wings and fly backwards
 - sustain a steady rhythm of heartbeat
 - win in the struggle for survival
17. The hummingbirds are exclusive in the sense that
- they subsist only on nectar
 - their pulse rate is more than 1000 per minute
 - they consume half their body weight everyday
 - they can fly backwards
18. The capacity to understand oneself including thoughts, feelings, and behavior.
- Self-concept
 - Self-awareness
 - Self-esteem
 - Self-confidence
19. The ability to bounce back from setbacks, to be successful again after something bad has happened.
- Victory
 - Competence
 - Resilience
 - Confidence
20. Effective communication emphasizes one's ability to:
- Process information easily.
 - Express oneself both verbally and non-verbally.
 - Discuss strategies in solving problems effectively.
 - Look beyond the direct experience and address issues in different perspectives.
21. An effective method of communication will encourage
- Standing for one's rights
 - Listening and speaking
 - Praise and attention
 - Comfort and reassurance

22. _____ are unavoidable in life and one has to face them in a positive way.
- (a) Outcomes (b) Relationships
(c) Motivations (d) Problems
23. Putting things in order of importance and deciding which task should be finished first and which can be handled later is
- (a) Decision making (b) Prioritizing
(c) Goal setting (d) Organizing
24. Social support is very crucial in our life. It helps in
- (a) Maintaining acceptance (b) Shedding the ego
(c) Reducing stress (d) Distraction
25. Talking quietly, mumbling, looking down or away, sagging shoulders or hiding one's face with hands and having feelings of resentment includes
- (a) Assertive behavior (b) Non-assertive behavior
(c) Aggressive behavior (d) Indifferent behavior
26. The quality to attract, charm and influence others around you.
- (a) Persuasive (b) Enigmatic
(c) Charismatic (d) Emotional
27. The ability to keep one's emotion under control and navigate social situations with composure.
- (a) Tolerance (b) Emotional intelligence
(c) Empathy (d) Sympathy
28. One's ability to interact with and adjust to other members of the society, thereby, being responsible towards oneself, one's family and community.
- (a) Achievement (b) Social well-being
(c) Social motives (d) Social networking
29. The defense mechanism of stress which involves attacking the stressor directly is:
- (a) Regression (b) Repression
(c) Aggression (d) Withdrawal
30. _____ refers to an approach to creative activity through team work, involvement and co-ordination among individuals:
- (a) Improvement (b) Investment
(c) Imagination (d) Incubation
31. The _____ approach of conflict management is an attempt to address fully the concerns of both parties.
- (a) Assimilation (b) Forcing
(c) Collaborating (d) Accommodating
32. Our dress code is an example of _____ communication.
- (a) Verbal (b) External
(c) Non-verbal (d) Body language
33. Who advocated the theory that humans are essentially motivated by levels of need?
- (a) Abraham Maslow (b) Elton Mayo
(c) F.W Taylor (d) None of these

34. Kima needs to be at class from 6 to 9 p.m. Zuala needs to be at a meeting from 6:30 to 9 p.m the same night. They have only one car. If Zuala drops Kima off at class and picks him up, both will get to be where they need to be, and it works better for Kima not to have to park in a student parking lot far from the class, this solution could be called:
- (a) win-win (b) win-lose
(c) Compromise (d) Lose-lose

Direction for Question Nos. 35 – 37 : Read the following passage carefully and choose the correct answer to each of the questions out of the four alternatives :

There are five persons P, Q, R, S and T. One is a football player, one is a chess player and one is a hockey player. P and S are unmarried ladies and do not participate in any game. None of the ladies plays chess or football. There is a married couple in which T is the husband. Q is the brother of R and is neither a chess player nor a hockey player.

35. Who is a football player?
(a) P (b) Q
(c) R (d) S
36. Who is a hockey player?
(a) T (b) S
(c) R (d) Q
37. Who is a chess player?
(a) S (b) P
(c) T (d) R

Direction for Question No. 38: Read the following information to answer the question.

P ♀ Q means P is mother of Q.

P ♀ Q means P is sister of Q. P

\$ Q means P is father of Q. P

Q means P is brother of Q.

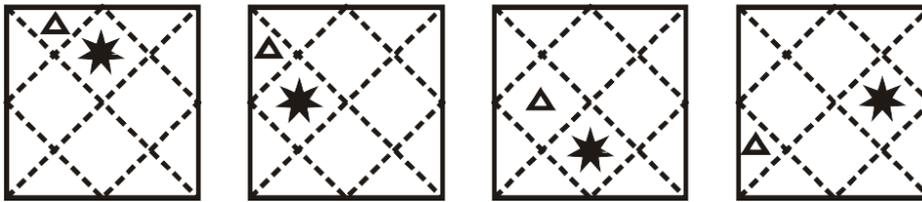
38. Which of the following means D is definitely daughter of A?
(a) A \$ B # C # D (b) C ♀ A \$ D ♀ B
(c) A ♀ C \$ B ♀ D (d) B ♀ A \$ C # D

Direction for Question Nos. 39 & 40 : Each of these questions consists of a pair of words bearing a certain relationship. From amongst the given alternatives, pick up the pair that best illustrates a similar relationship.

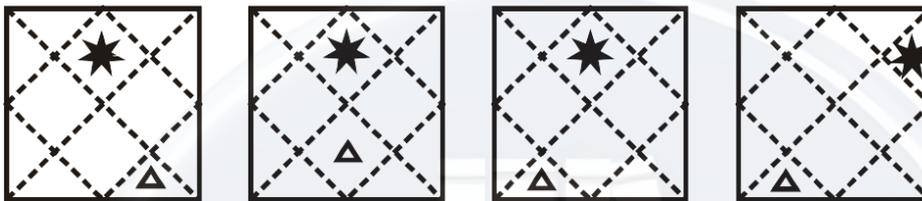
39. Presumption : Certainty
(a) Falsehood : Truth (b) Hearsay : Authenticity
(c) Theorem : Proof (d) Hunch : Guess
40. Coal : Thermal
(a) Power : Energy (b) Bulb : Light
(c) Air : Atmosphere (d) Water : Hydel
41. In a certain code 'CONTRIBUTOR' is written as 'RTNOCIROTUB'. How is 'PROHIBITION' written in that code?
(a) IHORPBNIOITI (b) JHORPBTION
(c) NOITIBOIHORP (d) ITIONBIHOTP

42. If the series 4, 5, 8, 13, 14, 17, 22,..... is continued in the same pattern, which one of the following is not a term of this series?
- (a) 31 (b) 32
(c) 33 (d) 35

43. Consider the following figures 1, 2, 3 and 4.

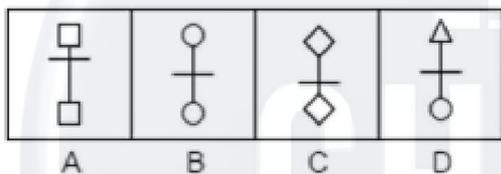


In the figures from 1 to 4 above, following the same sequence, which one of the following will appear at the fifth stage?



(a) (b) (c) (d)

44. Which of the following figures is different from others?



- (a) figure A (b) figure B
(c) figure C (d) figure D

45. If BROWN is coded as 218152314, what will be the code for PINK?

- (a) 1691312 (b) 1691411
(c) 1671312 (d) 1651411

46. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

 a a b a b a b a b b b a

- (a) a b a a (b) a b b a
(c) b b a a (d) b a a a

47. In 2000, John's age was one-fourth of the age of his father. In 2016, his age will be half the age of his father. What is John's year of birth?

- (a) 1994 (b) 1996
(c) 1992 (d) 1991

48. Lala had money to buy 8 mobile handsets of a specific company. But the retailer offered very good discount on that particular handset. Lala could buy 10 mobile handsets with the amount he had. What was the discount the retailer offered?

- (a) 15% (b) 20%
(c) 25% (d) 30%

49. The average marks of 100 students are given to be 53. It was found later that marks of one student was 58 which was misread as 88. The corrected mean marks therefore becomes

- (a) 58 (b) 52.7
(c) 50 (d) 51.5

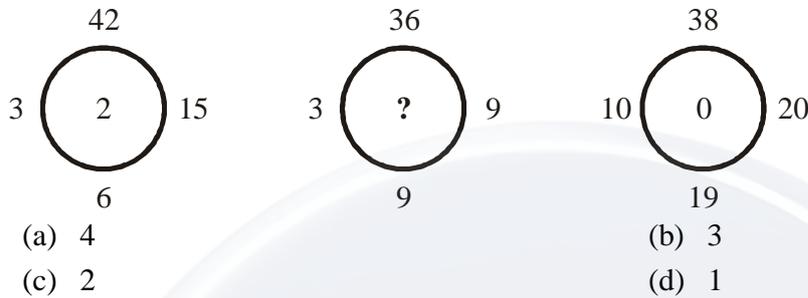
50. If $\text{Pen} < \text{Pencil}$, $\text{Pencil} < \text{Book}$ and $\text{Book} > \text{Cap}$, then which one of the following is always true?
- (a) $\text{Pen} > \text{Cap}$ (b) $\text{Pen} < \text{Book}$
(c) $\text{Pencil} = \text{Cap}$ (d) $\text{Pencil} > \text{Cap}$
51. The first step in decision making is to:
- (a) Establish priorities. (b) Establish specific goals and objectives.
(c) Identify and define the problem. (d) Determine courses of the problem.
52. Dr. Ropuii made a decision of implementing very high cost water project when she was uncertain of the outcome. The decision she made is likely to be
- (a) Low quality (b) Unacceptable
(c) Highly successful (d) Risky
53. A decision for repetitive or routine problems for which the responses have been already been decided and been known to the person who will make the decision is called:
- (a) Decision alternatives (b) A programmed decision
(c) A non-programmed decision (d) Risk
54. Which of the following statements about brainstorming is NOT correct?
- (a) Brainstorming is an open game without rules or guidelines.
(b) Brainstorming is often used for creative problem solving.
(c) All participants in brainstorming should be given a chance to contribute to the process.
(d) No criticism is allowed in brainstorming.
55. The decision-making process concludes with:
- (a) Analysis of alternatives (b) Identification of a problem
(c) Identification of decision criteria (d) Evaluation of decision effectiveness
56. Mr. Renthlei just conducted the performance appraisals of seven of his employees. His appraisal was heavily influenced by the performance of the individuals during the last month. Renthlei's bias is an example of:
- (a) Representative heuristic (b) Availability heuristic
(c) Escalation of commitment (d) Optimal decision making
57. Puii authorizes an additional ₹ 100,000 for the production of the new product. The cost of the new product seems to be increasing far beyond what was planned or even forecast. However, Puii continues to support the project. Puii is engaging in:
- (a) Availability experiential (b) Representative heuristic
(c) Escalation of commitment (d) Developing depreciation
58. Which of the following is not true about group decisions?
- (a) Group decisions are faster. (b) Group decisions tend to be more accurate.
(c) Group decisions are more creative. (d) Group decisions are more widely accepted.
59. There are many cases of corruption and fraud found against the various microfinance companies, which are charging very high interest rates from the poor people becoming cause for the suicide of these people. What steps should be taken?
- (a) Ban all the micro finance enterprises.
(b) Enact a law to regulate them.
(c) Ask them to pay compensation to those who charged more interest rate from the poor people.
(d) Appoint a committee to see the issue.

60. You have been posted in a rural area as an administrative officer. You learn that the ratio of girls to boys in that particular village is very low. On probing further, you are shocked to learn that everytime a girl child is born, she is killed by the family members themselves. All this is done secretly hence nobody has ever been caught. What would you do?
1. Hold meeting with the villagers and announce that there will be a prize for a parent who gave birth to a girl child.
 2. Set-up a team to track such activities and announce to the villagers that strict legal action will be taken against any person who is caught.
 3. Arrange for schemes which will provide financial assistance to parents of the girl child for her upbringing, so that the parents are encouraged to let the child live.
 4. Accept things as they are, since the entire village supports this kind of an act and you alone will not be able to prevent such things from happening.
- (a) 1 only (b) 2 & 3
(c) 2 & 4 (d) 1, 2 & 3
61. You are involved in setting up a water supply project in a remote area. Full recovery of cost is impossible in any case. The income level in the area is low and 25% of the population is Below Poverty Line (BPL). When a decision has to be taken on pricing, you would:
- (a) Recommend that the supply of water be free of charge in all respects
 - (b) Recommend that the users pay a one time fixed sum for the installation of taps and the usage of water be free
 - (c) Recommend that a fixed monthly charge be levied only on the non-BPL families and for BPL families water should be free of cost
 - (d) Recommend that the users pay a charge based on the consumption of water with differentiated charges for non-BPL and BPL families
62. You are invigilating an examination. You notice that a student is copying answers from the answer sheet of another student. You catch both of them. One student reveals that he did not stop the other student from copying from his answer sheet because the copier had threatened him with dire consequences. In such a situation, you will:
- (a) Give fresh answer sheets to both of the students and ask them to complete the exam in the remaining time
 - (b) Lodge a complaint against the student who was copying and give fresh answer sheet to the other student
 - (c) Cancel the exam of both the students
 - (d) Immediately lodge a complaint against the student who was copying and investigate about the threatening allegations
63. You are a District Collector of a remote area. You come to know that a young girl has extraordinary and valuable mathematical skills. The young girl's parents are orthodox and prevent her from pursuing further studies at school. As a District Collector, what would be your response?
- (a) Meet with the parents of the young girl to try persuade them to contact a mathematician and get guidance from him/her to understand how best their daughter might brighten her future.
 - (b) Decide not to interfere in family matters; it is up to the parents how they want to raise their daughter.
 - (c) Refer the matter to the Village Panchayat to take relevant action.
 - (d) Consult the school headmaster and do as he says.

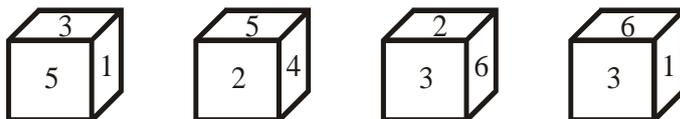
64. A decision-making process is a series or chain of related steps or interconnected stages that lead to an action or to an outcome and assessment. True or False?
- (a) Partly True (b) Partly False
(c) True (d) False
65. A process in which a group of individuals generate and state ideas, but in which the rules prohibit questioning, evaluating, or rejecting any ideas, even if they seem ridiculous is called:
- (a) Bounded rationality (b) Nominal group technique
(c) Brainstorming (d) Kaizen technique
66. Errors in decision making occur because we use decision making heuristics:
- (a) in an unplanned manner (b) beyond the range for which they are intended
(c) without taking care of other aspects (d) haphazardly
67. Which of the following statements includes an activity that is NOT a step of rational problem solving?
- (a) Analyze the cause of the problem and search for alternative solutions.
(b) Plan the implementation and then develop an action plan.
(c) Search for alternative solutions and then implement them all.
(d) Identify the problem and clarify it.
68. Find the missing number in the series.
4, 18, ?, 100, 180, 294, 448
- (a) 48 (b) 50
(c) 58 (d) 60
69. Find the wrong number in the series.
1, 27, 125, 343, 1381
- (a) 27 (b) 8
(c) 343 (d) 1381
70. Five farmers have 7, 9, 11, 13 & 14 apple trees respectively in their orchards. Last year each of them discovered that every tree in their own orchard yields exactly the same number of apples. Further, if the 3rd farmer gives one apple to the 1st and the 5th gives 3 to each of the 2nd & 4th, they would all exactly have the same number of apples, what were the yields per tree in the orchards of the 3rd & 4th farmers?
- (a) 17 & 9 (b) 9 & 11
(c) 9 & 9 (d) 11 & 9
71. For the Assertion (A) and Reason (R) below, choose the correct alternative:
Assertion (A) : Pressure cookers are fitted with ebonite handles.
Reason (R) : Ebonite is strong.
- (a) Both A and R are true and R is the correct explanation of A.
(b) Both A and R are true but R is NOT the correct explanation of A.
(c) A is true but R is false.
(d) A is false but R is true.
72. In a family, there are six members A, B, C, D, E and F. A and B are a married couple, A being the male member. D is the only son of C, who is the brother of A. E is the sister of D. B is the daughter-in-law of F, whose husband has died. How is E related to C?
- (a) Sister (b) Daughter
(c) Cousin (d) Mother



73. In a certain code language COMPUTER is written as RFUVQNPC. How will MEDICINE be written in that code language?
 (a) MFEDJJOE (b) EOJDEJFM
 (c) MFEJDJOE (d) EOJDJEFM
74. If South-East becomes North, North-East becomes West and so on. What will West become?
 (a) North-East (b) North-West
 (c) South-East (d) South-West
75. What value replaces “?” in the below figure?



76. Out of 120 students in a school, 5% can play all the three games Cricket, Chess and Carroms. If so happens that the number of players who can play any and only two games is 30. The number of students who can play the Cricket alone is 40. What is the total number of those who can play Chess alone or Carroms alone?
 (a) 45 (b) 44
 (c) 46 (d) 24
77. What is the age of a son, if his father is 8 times older and his mother is 7 times older and the sum of both his parents’ age is 90?
 (a) 4 years (b) 5 years
 (c) 6 years (d) 7 years
78. Tlungvel is 20 km to the North of Hmuifang. Falkawn is 18 km to the East of Hmuifang. Serchhip is 12 km to the Tlungvel. If Chhuana starts from Falkawn and goes to Serchhip, in which direction is he from his starting point?
 (a) North-West (b) North-East
 (c) North (d) South-East
79. A watch that is running 12 minutes late on a Sunday noon is running 16 minutes ahead of the correct time at 12 noon on the next Sunday. When is the clock 12 minutes ahead of time?
 (a) Saturday 10 am (b) Saturday noon
 (c) Saturday 10 pm (d) Sunday 6 am
80. A dice is thrown four times and produces the following result.



Which number will appear opposite to the number 3?

- (a) 4 (b) 5
 (c) 6 (d) 1

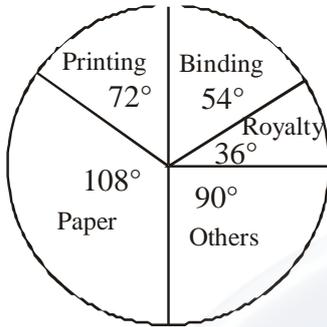
Directions (Questions No. 81 & 82) : Rini, Sangi, Thani and Zeli are to be seated in a row. But Thani and Zeli cannot be together. Also Sangi cannot be at the third place.

- 81.** If Rini is not at the third place, then Thani has which of the following option?
 (a) Any of the places (b) The first place only
 (c) The third place only (d) The first and third place only
- 82.** Which of the following must be false?
 (a) Rini is at the first place (b) Rini is at the second place
 (c) Rini is at third place (d) Rini is at the fourth place
- 83.** A group of 90 children are seated in rows for a group photo session. Each row contains two less children than the row in front of it. Which one of the following number of rows is not possible?
 (a) 6 rows (b) 5 rows
 (c) 4 rows (d) 3 rows
- 84.** There are twenty one people working in an office. The first group of seven works between 10.00 A.M. and 4.00 P.M. The second group of seven works between 12 noon and 6.00 P.M. And the third group of seven works between 8.00 A.M. and 2.00 P.M. There are five computers in the office which all the employees frequently use. During which of the following hours the computers are likely to be used the most?
 (a) 10:00 A.M. - 12:00 noon (b) 12:00 noon - 2:00 P.M.
 (c) 1:00 P.M. - 3:00 P.M. (d) 2:00 P.M. - 4:00 P.M.
- 85.** What is the ratio of 1:4 converted to percentage?
 (a) 50 % (b) 25 %
 (c) 75 % (d) 4 %
- 86.** Find the value of $(4^0 + 4^{11}) \div 2^2$
 (a) 3 (b) 4
 (c) 5 (d) 6
- 87.** $\frac{1}{\sqrt{9} \div \sqrt{8}}$ is equal to –
 (a) $\frac{1}{3 + 2\sqrt{2}}$ (b) $\frac{1}{2} (3 \div 2 \sqrt{2})$
 (c) $3 + 2\sqrt{2}$ (d) $3 \div 2 \sqrt{2}$
- 88.** Mean of 50 observations was found to be 80.4. But later on, it was discovered that 96 was misread as 69 at one place. Find the correct mean.
 (a) 80.64 (b) 80.74
 (c) 80.84 (d) 80.94
- 89.** A pipe can fill a water tank in 5 hours. Due to leak in its bottom, the water tank fills up in 6 hours. If the water tank is full, in how much time will be emptied by the leak?
 (a) $\frac{1}{30}$ hours (b) 30 hours
 (c) 1 hour (d) 11 hours

90. In a class of 30 students, 20 students like to play cricket and 15 students like to play football. Also each student likes to play at least one of the two games. The number of students who like to play both the games is –

- (a) 5 (b) 10
(c) 15 (d) 18

91. The pie-chart show the expenditure incurred by a publisher in bringing out a book. If a Book cost ₹ 540 to the publisher, the expenditure spent on royalty is –



- (a) ₹ 36 (b) ₹ 54
(c) ₹ 72 (d) ₹ 108
92. If a , $(a - 2)$ and $3a$ are in the AP. Then the value of ' a ' is –
(a) -3 (b) -2
(c) 37 (d) 39
93. One fifth of a number decreased by 4 is equal to 3, then the number is –
(a) 15 (b) 30
(c) 35 (d) 50
94. A man got a 10% increase in his salary. His new salary is Rs. 94160. His original salary is –
(a) Rs. 82500 (b) Rs. 85500
(c) Rs. 83500 (d) Rs. 85600
95. The cost of 20 tables is Rs 25,000. The number of tables which can be purchased for Rs 45,000 is –
(a) 30 (b) 36
(c) 26 (d) 40
96. A motor cycle is travelling at a speed of 36 km/h. Distance covered in one second is –
(a) 10 m (b) 15 m
(c) 20 m (d) 30 m
97. The distance covered by a wheel with radius 3.5 feet in 20 revolutions is –
(a) 380 ft (b) 280 ft
(c) 640 ft (d) 440 ft
98. The ratio of the ages of a man and his son is 7:2. After 5 years their ages will be in the ratio 8:3. The present age of the man is –
(a) 56 years (b) 45 years
(c) 35 years (d) 40 years

