

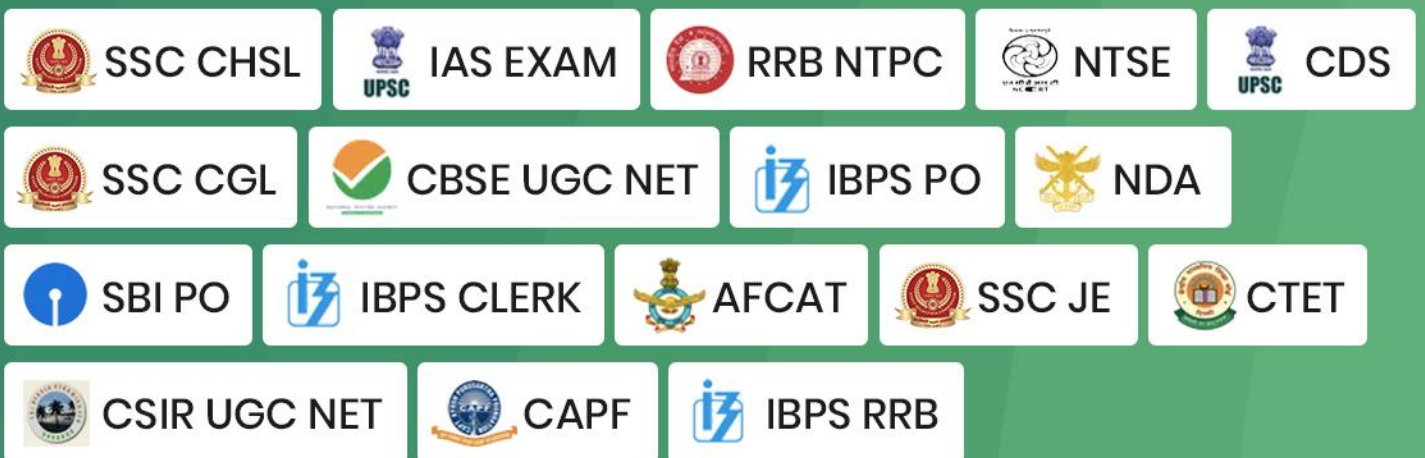


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Direction (1-10): Read the following passage carefully and answer the questions that follow. Certain words are printed in bold to help you locate them while answering some of these.

Without, the night was cold and wet, but in the small parlour of Laburnam Villa the blinds were drawn and the fire burned brightly. Father and son were at chess, the former, who possessed ideas about the game involving radical changes, putting his king into such sharp and unnecessary perils that it even provoked comment from the white-haired old lady knitting **placidly** by the fire. "Hark at the wind," said Mr. White, who, having seen a fatal mistake after it was too late, was amiably desirous of preventing his son from seeing it. "I'm listening," said the latter, grimly surveying the board as he stretched out his hand. "Check." "I should hardly think that he'd come to-night," said his father, with his hand poised over the board. "Mate," replied the son. "That's the worst of living so far out," **bawled** Mr. White, with sudden and unlooked-for violence; "of all the beastly, slushy, out-of-the-way places to live in, this is the worst. Pathway's a bog, and the road's a torrent. I don't know what people are thinking about. I suppose because only two houses in the road are let, they think it doesn't matter." "Never mind, dear," said his wife, soothingly; "perhaps you'll win the next one". Mr. White looked up sharply, just in time to intercept a knowing glance between mother and son. The words died away on his lips, and he hid a guilty grin in his thin grey beard. "There he is," said Herbert White, as the gate banged to loud and heavy footsteps that came toward the door. "Sergeant-Major Morris," he said, introducing him. "I'd like to go to India myself," said the old man, "just to look round a bit, you know." "Better where you are," said the sergeant-major, shaking his head. He put down the empty glass, and sighing softly, shook it again. "I should like to see those old temples and fakirs and jugglers," said the old man. "What was that you started telling me the other day about a monkey's paw or something, Morris?" At Mr. and Mrs. Whites' urging, Sergeant-Major Morris takes a small, mummified paw out of his pocket. He explains that a fakir (a mystic miracle worker) placed a spell on the paw to

prove that people's lives are governed by fate and that it is dangerous to meddle with fate. According to the sergeant-major, three men can wish on the paw three times each. The sergeant-major himself has already had his three wishes, as has another man, who used his third wish to ask for death. The sergeant-major has considered selling the paw, but he doesn't want it to cause any more trouble than it already has. Moreover, no one will buy the paw without first seeing proof of its effect. The sergeant-major throws the paw into the fire, and Mr. White quickly rescues it. The sergeant-major warns him three times to leave the paw alone, but he eventually explains how to make a wish on the paw. "Sounds like the Arabian Nights," said Mrs. White, as she rose and began to set the supper. "Don't you think you might wish for four pairs of hands for me?" Her husband drew the talisman from pocket, and then all three burst into laughter as the sergeant-major, with a look of alarm on his face, caught him by the arm. "If you must wish," he said, gruffly, "wish for something sensible."

1. Which of the following can be inferred about the playing tendency of the man and the son?
 - A. The father was not very good at playing chess and was losing continuously.
 - B. The father was intentionally losing to his son for cheering him up.
 - C. The father was not hesitant to take hasty steps and was playing restlessly.
 - D. The son was too engrossed in the game but the man was playing just to appease his son.
 - E. The game was being played between two experts and the game was getting more difficult with each round.
2. Which of the following can be inferred from the first half of the story?
 - A. The Whites were waiting for a visitor who was not intent on coming.
 - B. The Whites were waiting for someone but their residence was in an isolated locality.
 - C. The Whites were enjoying themselves and did not want any intruder.
 - D. The father was not welcoming and was nervous about the visitor's visit.
 - E. The father wanted the family to welcome the visitor with all their warmth.

3. Which of the following can be inferred from Mrs. White's words when his husband started complaining about the place they lived in?
- Mrs. White did not leave a single chance to demean her husband.
 - Mrs. White liked it when her husband lost any game to his son.
 - Mrs. White liked to tease her husband and was pulling his leg.
 - Mr. White was complaining because he had lost the game.
 - Mrs. White wanted her husband to stop grumbling as they had no choice but stay there.
4. Which of the following can be understood from the Sergeant's words and gestures?
- He did not hold very high opinions about the paw and considered it to be a danger.
 - He was mesmerized by the power of the paw and was repentant that he had not used its powers correctly.
 - He wanted to wish using the paw again and was upset that his three wishes had been wasted.
 - He did not believe in the paw's power and was embarrassed that he would be laughed at.
 - He was jealous that the Whites might get something good using the paw.
5. Which of the following can be inferred from the reaction that Morris gave when Mrs. White mentioned her wish?
- Morris wanted to make the situation a bit light and made everyone laugh.
 - Morris was extremely superstitious and believed in magic and all supernatural things.
 - Morris wanted to scare his friend's family and get fun out of it.
 - Morris tried to make the situation more intense and reacted more.
 - Morris was scared as he knew the paw could make anything come true.
6. Which of the following happened when the Whites got to know about the paw?
- The Whites were confused and pretty scared after the story of the paw was narrated to them.
 - The Whites did not believe the story and took the paw quite lightly.
 - The Whites were excited and wanted to make extravagant wishes.
 - The Whites felt their friend was trying to scare them and make up stories so they would not give in.
 - The Whites were mocking at Morris and wanted to have a good laugh at the story of the paw.
7. Which of the following describes the lesson that the fakir wanted to teach people?
- Boldness can at times save a person from danger but not always.
 - Magic and all supernatural forces are existent in today's life and people must not ignore it.
 - It is not good to interfere in fate's decisions as it only brings trouble.
 - Human beings are so foolish that they cannot even bring their own good.
 - Magic always comes with a price so it is better to stay away from it.
8. Which of the following describes the central theme of the story?
- Hazards of aspirations
 - Deception by one's own friends
 - Imagination by people
 - Supernatural forces harming people
 - Darkness of the night enlivens a number of supernatural forces
9. Which of the following is the MOST OPPOSITE in meaning to the word 'placidly'?
- Wonderfully
 - Unskilled
 - Excitedly
 - Depressed
 - Bitterly
10. Which of the following is the MOST SIMILAR in meaning to the word 'bawled'?
- Ridiculed
 - taunting
 - Shouted
 - Laughed
 - Criticized
11. **Direction:** A sentence with two blanks is given, each blank indicating that something has been omitted. Choose the words that best fit the meaning of the sentence as a whole.
The _____ of human beings leads to overutilization of resources. They cut the trees and kill the animals creating ecological _____.
- Lust, parity
 - Greed, imbalance
 - Bounty, disparity
 - Itch, balance
 - Gluttony, instability

12. **Direction:** Each sentence below has two blanks, each blank indicating that something has been omitted. Choose the words that best fit the meaning of the sentence as a whole.

Ransomware is often _____ enough to scan your home network and infect other computers and even network storage drives, so it's really important to make a backup on an external hard drive that you disconnect and _____ safely somewhere.

- A. Cunning, kept B. Smart, keep
C. Smart, keeping D. Stupid, put
E. Clever, put

13. **Direction:** Each sentence below has two blanks, each blank indicating that something has been omitted. Choose the words that best fit the meaning of the sentence as a whole.

Food-tech company Zomato might be searing in the still-smoking embers of last week's security breach, but the company is _____ the tough corporate tightrope of transparency by expounding on how the unidentified ethical hacker _____ its infrastructure to access a part of the company's database.

- A. Walking, breached
B. Clinging to, surpassed
C. Falling, disabled
D. Going, got to
E. Going, breached

14. **Direction:** Each sentence below has two blanks, each blank indicating that something has been omitted. Choose the words that best fit the meaning of the sentence as a whole.

That collapse had little to do with the globalisation of trade and _____ to do with reckless banks, the animal spirits of which were unleashed by Ronald Reagan's deregulation and free-market _____.

- A. Very little, trade
B. Completely, booking
C. Everything, obsession
D. Nothing, integration
E. None of the above

15. **Direction:** Each sentence below has two blanks, each blank indicating that something has been omitted. Choose the words that best fit the meaning of the sentence as a whole.

The Bianconeri claimed a record sixth _____ Scudetto when they saw off Crotone to land the second part of a potential treble,

ahead of next weekend's Champions League final _____ Real Madrid.

- A. Consecutive, against
B. Simultaneous, for
C. Ongoing, at
D. Prior, in
E. None of the above

Directions (16-20): Rearrange the following sentences (A), (B), (C), (D), (E) and (F) to make a meaningful paragraph and then answer the questions which follow.

(A) This decision on which force is to be maximized lies with every individual.

(B) This belief comes from the fact that science reflects the social forces prevailing at a particular time.

(C) We must maximize the constructive forces of science and the destructive ones should be minimized.

(D) Contrary to popular belief, the greatest enemy of mankind is not science but war.

(E) She/he must understand that science can only help us in providing ways to reach at either war or peace and is actually not responsible for causing these.

(F) During peaceful times science is constructive and during war, science is perverted to destructive ends.

16. Which of the following sentence should be the **SIXTH (LAST)** after rearrangement?

- A. A B. B
C. C D. D
E. E

17. Which of the following sentence should be the **THIRD** after rearrangement?

- A. A B. E
C. F D. D
E. C

18. Which of the following sentence should be the **FIFTH** after rearrangement?

- A. A B. D
C. C D. E
E. F

19. Which of the following sentence should be the **FIRST** after rearrangement?

- A. A B. B
C. C D. D
E. E

20. Which of the following sentence should be the **Second** after rearrangement?

- A. A
- B. B
- C. D
- D. E
- E. F

21. **Direction:** Read the sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. If the given sentence is correct as it is, mark E i.e. no error as the answer.

Huddersfield Town stunned Manchester United 2-1/ at the John Smith's Stadium on Saturday, a defeated/ that ended the visitors unbeaten start to the Premier League season/ and dropped them five points behind leaders Manchester City who beat Burnley 3-0.

- A. Huddersfield Town stunned Manchester United 2-1,
- B. at the John Smith's Stadium on Saturday, a defeated
- C. that ended the visitors unbeaten start to the Premier League season
- D. and dropped them five points behind leaders Manchester City who beat Burnley 3-0.
- E. No error

22. **Direction:** Read the sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. If the given sentence is correct as it is, mark E i.e. no error as the answer.

On an annual basis,/ the official unemployment rate was/ last below 4 percent in 2001, when it was 3.6 percent,/ according for data from the National Bureau of Statistics.

- A. On an annual basis,
- B. the official unemployment rate was
- C. last below 4 percent in 2001, when it was 3.6 percent,
- D. according for data from the National Bureau of Statistics.
- E. No error

23. **Direction:** Read the sentence to find out whether there is an error in it. The error, if any, will be in one part of the sentence. If the given sentence is correct as it is, mark 'No error' as the answer.

German police rule out a political or religious/ motive behind the knife attack in the city of Munich/ on Saturday and said the detained

man suspected of/ injuring eight people had mental health problems.

- A. German police rule out a political or religious
- B. motive behind a knife attack in the city of Munich
- C. on Saturday and said a detained man suspected of
- D. injuring eight people had mental health problems.
- E. No error

24. **Direction:** Read the sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. If the given sentence is correct as it is, mark 'No error' as the answer. Ignore the errors of punctuation, if any.

The fight against Islamic State has/ taken place amid a wider, multi-sided civil war between/ Assad's government, which is backed by Iran and Russia,/ but an array of rebel groups supported by other powers, including the United States.

- A. The fight against Islamic State has
- B. taken place amid a wider, multi-sided civil war between
- C. Assad's government, which is backed by Iran and Russia,
- D. but an array of rebel groups supported by other powers, including the United States.
- E. No error

25. **Direction:** Which of the following phrases A, B, C, and D can replace the part printed in bold in the sentence? If the given sentence is correct as it is, mark E i.e. no correction required as the answer.

Previous Obama administration had designated India as a major defense partner and the Trump administration **has accelerate** the process of considering Indian requests.

- A. Has accelerated
- B. Had accelerated
- C. With accelerate
- D. And accelerate
- E. No correction required

26. **Direction:** Which of these phrases A, B, C, and D can replace the part printed in bold in the sentence? If the given sentence is correct as it is, mark E i.e. no correction required as the answer.

French defense minister Florence Parley will be here next week to lay the groundwork to further boost the bilateral strategic partnership **ahead for** President Emmanuel Macron's visit to India in December.

- A. Ahead in
- B. Ahead with
- C. Ahead of
- D. Back off
- E. No correction required

27. **Direction:** Read each sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. If there is no error, the answer is (5), i.e. 'No error'. (Ignore the errors of punctuation, if any.)

As the poacher began (1)/ to move towards the (2)/ helpless stranded cub, the tigress (3)/ pounced on him to protect her offspring (4)/.

- A. (1)
- B. (2)
- C. (3)
- D. (4)
- E. The Sentence is correct.

28. **Direction:** Which of the phrases A, B, C, and D can replace the part printed in bold in the sentence? If the given sentence is correct as it is, mark E i.e. no correction required as the answer.

SlicePay works on a data-driven risk model **that used** non-traditional data points, including students' marks cards and social media profiles.

- A. That using
- B. That uses
- C. That is using
- D. Uses
- E. No correction required

29. **Direction:** Which of the phrases A, B, C, and D can replace the part printed in bold in the sentence? If the given sentence is correct as it is, mark E i.e. no correction required as the answer.

With growth estimated to slow to a four-year low, the central bank on Wednesday cut growth forecasts to 6.7 percent from 7.3 percent **followed a slew** of downgrades by investment banks and private sector economists.

- A. Follows a slew
- B. Followed slew
- C. Following a slew
- D. By following a slew
- E. No correction required

30. **Direction:** Which of the following phrases A, B, C, and D can replace the part printed in bold in the given sentence to make it grammatically and structurally correct? If the given sentence is correct as it is, mark E i.e. no correction required as the answer.

Union home minister Rajnath Singh said on Tuesday, the MHA is considering the proposal to build 50 more **border outpost** at the India-China Border.

- A. Border outposting
- B. Border outposted
- C. Border outposts
- D. Bordered outpost
- E. No correction required

31. **Direction:** Which of the phrases A, B, C, and D can replace the part printed in bold in the sentence? If the given sentence is correct as it is, mark E i.e. no correction required as the answer.

Government bonds **fell of** a second day on Thursday, with the benchmark note settling at an all-time low, as investors booked profit amid little hopes of monetary easing in the near term.

- A. Fell to
- B. Fell for
- C. Falling
- D. Fell with
- E. No correction required

32. **Direction:** Which of the phrases A, B, C, and D can replace the part printed in bold in the sentence? If the given sentence is correct as it is, mark E i.e. no correction required as the answer.

Broaden asset base of domestic institutions should support the domestic market but the lack of catalysts in the near term in the wake of weakening domestic macro numbers would mean that any negative news flow can trigger a selloff, the bank said.

- A. Broading asset base
- B. Broaden asset bases
- C. Broadening asset base
- D. Broadening assets bases
- E. No correction required

33. **Direction:** Which of the following phrases A, B, C, and D can replace the part printed in bold in the given sentence to make it grammatically and structurally correct? If the given sentence is correct as it is, mark E i.e. no correction required as the answer.

Obama praised Americans for working to aid neighbours **among heart-breaking** natural disasters.

- A. After heartbreak
B. Before heartbreak
C. In heart-breaking
D. After heart-breaking
E. No correction required
34. **Direction:** In the given question, a part of the sentence is printed in bold. Below the sentence alternatives to the bold part are given at (A), (B), (C) and (D) which may help improve the sentence. Choose the correct alternative. In case the given sentence is correct as it is, your answer is (E) i.e. No correction required.
- Mugabe is **in increasing** fragile health and makes regular trips abroad for medical treatment.
- A. On increasing B. For increasingly
C. In increasingly D. By increasingly
E. No correction required
35. **Direction:** In the given question, a part of the sentence is underlined. Which of the following given at A, B, C, D, and E can replace the underlined part to make the sentence grammatically meaningful and correct? Choose the correct alternative.
- Scientists have suggested that once in every 10 million years or so, a truly colossal object from space cuts on the atmosphere and slams into Earth.
- A. Cuts against the atmosphere
B. Cuts atmosphere
C. Cuts through the atmosphere
D. Cutting on the atmosphere
E. Cuts the atmosphere
36. **Direction:** In the given question, a part of the sentence is printed in bold. Below the sentence alternatives to the bold part are given at (A), (B), (C) and (D) which may help improve the sentence. Choose the correct alternative. In case the given sentence is correct as it is, your answer is (E) i.e. No correction required.
- Underlying inflation averaged around 1.85 percent **miss estimates** and touching the slow pace of the second quarter once again.
- A. misses estimates
B. Missing estimating
C. Missing estimates
D. Missed estimated
E. No correction required

37. **Direction:** In the given question, a part of the sentence is underlined. Alternatives to the underlined part are given which may make the sentence grammatically meaningful and correct. Choose the correct alternative.

During the 1970s and 1980s, the United Nations attempts to define the term floundered mainly due to differences of opinion between various members about the use of violence in the context of conflicts over national liberation and self-determination.

A. the United Nations attempts to define the term floundered mainly due to differences of opinion.

B. the United Nations attempting to define the term floundered mainly due to differences of opinion.

C. the United Nations attempts to define the term floundering mainly due to differences of opinion.

D. the United Nations attempted to define the term floundered mainly due to differences of opinion.

E. the United Nations attempts to define the term flounders mainly due to differences of opinion.

38. **Direction:** In the given question, a part of the sentence is underlined. Alternatives to the underlined part are given which may make the sentence grammatically meaningful and correct. Choose the correct alternative.

It should look to aggressively export more products that don't cater with the manufacturing or industrial sectors alone like Ayurvedic and agro products and IT services.

A. that doesn't cater to the manufacturing or industrial sectors.

B. that don't cater to the manufacturing or industrial sectors.

C. that don't cater in the manufacturing or industrial sectors.

D. that were not catered to the manufacturing or industrial sectors.

E. that were not catering with the manufacturing or industrial sectors.

Direction (39-48): In the following passage, there are blanks, each of which has been numbered. Against each blank, five words are suggested, one of which fits the blank appropriately.

The Sensex is a free-float market-weighted stock market index of 30 well (###Q1###) and financially (###Q2###) companies listed on Bombay Stock Exchange. The 30 component companies which are some of the largest and most (###Q3###) traded stocks, are (###Q4###) of various industrial sectors of the Indian economy. Published since 1 January 1986, the S&P BSE SENSEX is regarded as the (###Q5###) of the domestic stock markets in India. The BSE has some reviews and modifies its composition to be sure it (###Q6###) current market conditions. The index is calculated based on a free float (###Q7###) method, a (###Q8###) of the market capitalisation method. Instead of using a company's (###Q9###) shares it uses its float, or shares that are readily available for trading. The index has (###Q10###) by over twenty five times from June 1990 to the present.

39. Find the appropriate word in each case.

- A. Known B. Financed
C. Established D. Transformed
E. Renowned

40. Find the appropriate word in each case.

- A. Sound B. Famous
C. Supportive D. Disabled
E. Eager

41. Find the appropriate word in each case.

- A. Active B. Actively
C. Profit D. Earning
E. Functional

42. Find the appropriate word in each case.

- A. Members B. Beneficiaries
C. Symbols D. Representatives
E. Classes

43. Find the appropriate word in each case.

- A. Burst B. Pulse
C. Original D. Consequence
E. Success

44. Find the appropriate word in each case.

- A. Works B. Focuses
C. Triples D. Control
E. Reflects

45. Find the appropriate word in each case.

- A. Capitalization B. Arrangement
C. Trading D. Transaction
E. Exchange

46. Find the appropriate word in each case.

- A. Fixed B. Quantity
C. Variation D. Variable
E. Estimation

47. Find the appropriate word in each case.

- A. Offensive B. Direct
C. Future D. Impending
E. Outstanding

48. Find the appropriate word in each case.

- A. Shifted B. Estimated
C. Increased D. Driven
E. Swiped

49. **Direction:** In each question below, a paragraph is given and alternatives to its summary are stated in the options. Choose the alternative which best describes the passage.

Chimpanzees possess a brain structure resembling a similar area in the human brain that is thought to control language, according to a study published in the January 9, 1998, issue of *Science*. Experts said the study challenged long-held assumptions about the evolution of language in humans and raised new questions about the ability of chimpanzees to communicate. The human brain generally exhibits a slightly enlarged area in the left hemisphere called the planum temporale (PT), a structure apparently involved in the processing of visual symbols and speech. Since the 1960s scientists have argued that the PT was necessary for language and may even constitute a uniquely human evolutionary adaptation. The new study is the first to demonstrate that the structure exists in another species, the chimpanzee.

A. Scientists are ruminating over the question whether it is possible that other primates, such as chimpanzees, also have language and the ability to learn a language due to a certain area of their brain resembling that of a human brain

B. Chimpanzees, according to scientists, can easily learn a new language due to their brain structure being identical to that of humans

C. A new study has confirmed that the brain structure of chimpanzees closely matches that of humans and that they too can learn a new language

D. A certain portion of the brain which is involved in the processing of visual symbols and speech has evolved more in humans than in chimpanzees

E. None of the above

50. **Direction:** Read the given passage carefully. Choose the most appropriate option from the given alternatives which expresses the summary of the passage.

Naturalists have been staggered by the Amazon's diversity ever since the first European researcher set foot in the South American rain forest more than 200 years ago. Those naturalists, of course, hailed largely from temperate climates, where forests typically support no more than 50 to 60 species of tree. The Amazon, they quickly discovered, is far more lavish: twice as many species of tree can easily be found in an acre or two. And these plants support many times more species of bird, insect, and mammal than are found on an equivalent piece of temperate real estate. In one day at one site in the Amazon, entomologists gathered 440 species of butterfly—more species than can be found in the entire eastern United States. But despite the recognition that the Amazon is one of Earth's great centers of biodiversity, the underlying causes of its richness remain unknown.

- A. The rich diversity of the Amazon forests gained attention only after its exploration by the European researchers
B. For a budding naturalist Amazon forest is the best work site given the rich biodiversity it supports
C. The Amazon rain forest is home to such a rich variety of plants and animals but researchers do not seem to exactly know why
D. The Amazonian forests has more species than can be found in the entire United States
E. None of the above.

51. **Direction:** What approximate value will come in place of the question mark (?) in the following questions? (You are not expected to calculate the exact value.)

$$18.9^2 \times 20.024 + 299.9 \times 5.99 = 13 \times ?$$

- A. 694
B. 964
C. 644
D. 786
E. 724

52. **Direction:** What approximate value should come in place of the question mark (?) in the following equation (Note: You are not expected to calculate the exact value)?

$$12.13\% \text{ of } 935.81 + 1498\% \text{ of } 25.85 = ?$$

- A. 500
B. 550
C. 478
D. 341
E. 596

53. **Direction:** What approximate value should come in place of the question mark (?) in the following equation (Note: You are not expected to calculate the exact value)?

$$9980 \div 49 \times (4.9)^2 - 1130 = ?$$

- A. 3870
B. 4500
C. 2600
D. 3000
E. 4080

54. What approximate value should come at the place of question mark (?) in the following question?

$$(66789.62 - 43542.06 - 22246.46) \times \frac{(100)^2}{(10)^2} = (10)^?$$

- A. 5
B. -6
C. -5
D. -4
E. 6

55. **Direction:** What approximate value should come in place of the question mark (?) in the following equation (Note: You are not expected to calculate the exact value)?

$$12.13\% \text{ of } 935.81 + 1498\% \text{ of } 25.85 = ?$$

- A. 500
B. 550
C. 478
D. 341
E. 596

56. **Direction:** What value should come in place of question mark (?) in the following question?

$$(15 \times 11 + 24) \div (13 \times 3 - 19) = ?$$

- A. $9 \frac{20}{11}$
B. $8 \frac{17}{9}$
C. $9 \frac{20}{11}$
D. $7 \frac{10}{9}$

- E. $10 \frac{20}{3}$

57. **Direction:** What value should come in place of question mark (?) in the following question?

$$-676.76 + 1237.87 + 897.34 - ? = 1294.25$$

- A. 168.2
B. 164.2
C. 154.2
D. 164.8
E. None of these

58. **Directions:** What will come in place of the question-mark (?) in the following questions?

$$\sqrt[3]{?} = (35\% \text{ of } 120 + 125 - 55)$$

- A. 1484736
B. 2154734
C. 1514736
D. 1404928
E. None of these

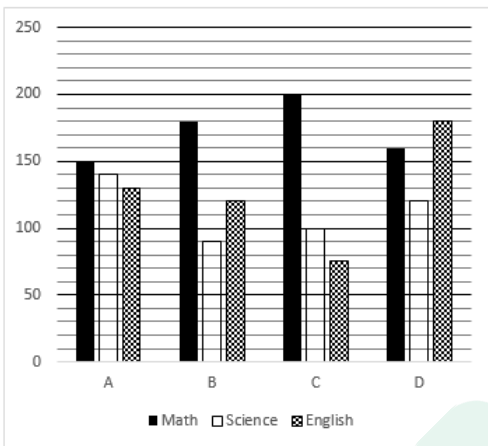
59. **Direction:** What should come at place of question mark in the following questions?
 $256 \times 256 + 173 \times 173 = ?$

- A. 96432 B. 94465
 C. 95465 D. 90510
 E. None of these

60. **Direction:** What value should come in place of the question mark (?) in the following question?

- $(5 \times 7)\%$ of $(34 \times 55) + 456.60 = 699.1 + ?$
 A. 412 B. 422
 C. 418 D. 428
 E. None of these

Directions (61-65): The following graph represents the number of students studying three different subjects individually in four colleges. Study the graph carefully and answer the questions given below.



61. What is the ratio of the number of students studying math in college B to that studying English in college C?

- A. 7:3 B. 8:5
 C. 12:5 D. 5:1
 E. None of these

62. 25% of total number of students studying math in all college together is approximately what percent more than that of 20% of total number of students studying Science in all college together?

- A. 88 % B. 98 %
 C. 90 % D. 91.67 %
 E. None of these

63. Number of students studying English in college D is what percent of number of students studying Science in college A?

- A. 128.57 B. 129.57
 C. 120 D. 130
 E. None of these

64. Find the difference between number of students studying math in college C and D together and number of students studying Science in college A and B together

- A. 115 B. 110
 C. 140 D. 130
 E. None of these

65. Find the ratio between 40% of total number of students studying math in all colleges together to 30% of total number of students studying English in all colleges together?

- A. 172:101 B. 173 : 103
 C. 184 : 101 D. 183 : 103
 E. None of these

66. **Direction:** In the following question, there are two equations. Solve the equations and answer accordingly:

- I. $8x^2 + 26x = -15$
 II. $12y^2 - 20y + 8 = 0$

- A. $x < y$ B. $x > y$
 C. $x \leq y$ D. $x \geq y$
 E. $x = y$ or the relationship cannot be established

67. **Directions:** In the following question, two equations numbered I and II are given. You have to solve both the equations and answer the question.

- I. $8x^2 + 18x + 4 = 0$
 II. $2y^2 + 29y + 14 = 0$

- A. $x < y$ B. $x > y$
 C. $x \leq y$ D. $x \geq y$
 E. $x = y$ or the relationship cannot be established

68. **Direction:** In each of these question two equations are given. You have to solve these equations and give answer.

- I. $20a^2 - 108a + 144 = 0$
 II. $25b^2 - 90b + 72 = 0$

- A. $a < b$ B. $a > b$
 C. $a = b$ D. $a \geq b$
 E. $a \leq b$

69. **Direction:** In the following question two equations numbered I and II are given. You have to solve both the equations and Give answer

- I. $25x^2 + 35x + 12 = 0$
 II. $10y^2 + 9y + 2 = 0$

- A. $x > y$ B. $x \geq y$
 C. $x < y$ D. $x \leq y$
 E. $x = y$ or the relationship between x and y cannot be established.

70. **Direction:** In each question two equations numbered I and II are given, you have to solve both the equation and choose the correct answer.

I. $3x^2 - 13x - 10 = 0$

II. $3y^2 + 10y - 8 = 0$

- A. $x > y$ B. $x \geq y$
 C. $x < y$ D. $x \leq y$
 E. $x = y$ or the relationship between x and y cannot be established.

Direction (71-75): Refer to the table and answer the given questions.

No. of different types of channels provided by six different cable operators:

Cable Name	Type Of Channels			
	Entertainment	News	Sports	Devotional
A	140	35	40	18
B	105	45	56	20
C	135	20	45	25
D	125	25	35	15
E	110	30	20	20
F	120	28	25	24

71. Which Cable operator has second highest no. of total channels?
 A. A B. B
 C. C D. A & B
 E. F
72. The no. of entertainment and news channels is what percent of the no. of sports and devotional channels of cable operator E?
 A. 88% B. 29%
 C. 350% D. 120%
 E. None of these
73. What is the average no. of channels for Cable operator B, C, D and F?
 A. 201 B. 218
 C. 221 D. 212
 E. None of these
74. If each cable operator provides additional 20% of the entertainment channels completely unique from other operators if yearly subscription is taken then find the sum of the total number of unique channels for all cable operators.

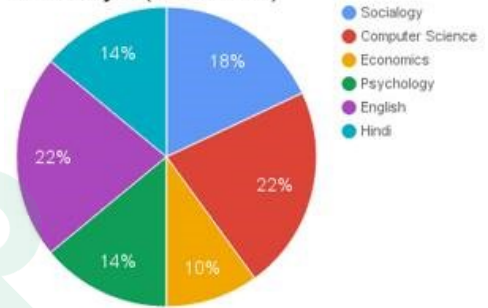
- A. 130 B. 147
 C. 111 D. 154
 E. None of these

75. For which cable operator, the no. of entertainment channels is 4.8 times of the no. of sports channels?

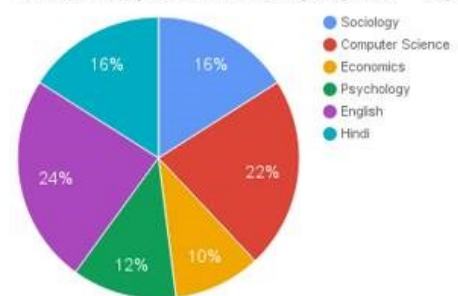
- A. C B. E
 C. B D. F
 E. None of these

Direction (76-81): Study the following pie charts below and answer the questions that follow:

Percentage of Professors and Assistant Professors teaching 6 different subjects in university X (Total = 150)



Percentage of Professors teaching six different subjects in University X (Total = 50)



76. If the respective ratio between total number of male professors and total number of female professors is 9:16, and the ratio between the total number of male assistant professors and total number of female assistant professors is 9:11, what was the total number of female professors and assistant professors teaching the given 6 subjects in the university?
 A. 63 B. 90
 C. 77 D. 73
 E. 87
77. What is the central angle corresponding to the total number of professors and assistant professors teaching Hindi?

- A. 46.8° B. 50.4°
C. 43.2° D. 39.6°
E. 45.2°
78. What percent of professors are teaching Psychology and Sociology together out of the total number of professors and assistant professors teaching these two subjects together?
A. 175/6 B. 97/4
C. 155/6 D. 87/4
E. 133/6
79. Total number of assistant professors teaching Economics and English together are what percent more than the total number of professors teaching these two subjects together?
A. 88 B. 55
C. 98 D. 92
E. 82
80. What is the approximate average number of professors teaching computer science, psychology, English and sociology?
A. 9 B. 8
C. 10 D. 11
E. 17
81. **Direction:** What will come in place of the question mark (?) in the following number series?
5, 15, 37, 63, 101, ?
A. 95 B. 265
C. 152 D. 206
E. 143
82. **Direction:** What will come in place of the question mark (?) in the following number series?
409, ?, 361, 312, 223, 54
A. 375 B. 290
C. 390 D. 250
E. None of these
83. **Direction:** What will come in place of the question mark (?) in the following number series?
3, 4, 12, 48, 576, ?
A. 28750 B. 26176
C. 29525 D. 27648
E. 25395
84. **Direction:** What will come in place of the question mark (?) in the following number series?
82, ?, 286, 373, 436, 451
A. 155 B. 175
C. 139 D. 145
E. 187
85. **Direction:** What will come in place of the question mark (?) in the following number series?
20, 43, 62, ?, 92, 103
A. 85 B. 79
C. 95 D. 65
E. 58
86. In a class of 75 students, $\frac{1}{5}$ th of the total number of girls and $\frac{3}{5}$ th of the total number of boys join a cricket club. If the total number of boys joining the club is 27. What is the respective ratio of the total number of boys to the total number of girls joining the club?
A. 9 : 4 B. 3 : 2
C. 5 : 4 D. 8 : 3
E. None of these
87. Rita borrows two equal sums at the same time at 6% and 5% p.a. simple interest respectively. She finds that if she pays the former sum with simple interest on a certain date exactly one year before the latter, she will have to pay in each case the same amount i.e., Rs.3900. Find the sum.
A. Rs.2600 B. Rs.2800
C. Rs.3000 D. Rs.3200
E. Rs.3400
88. A car moves for 2 hr at a speed of 40 kmph and another can travels for 50% more time and at 25% less speed. Find the ratio of the distance covered by the two cars.
A. 7:5 B. 5:2
C. 6:8 D. 8:9
E. 9:12
89. A car and bike dealer bought 30 second hand cars and bikes for Rs. 472500. He bought 8 cars and the rest were bikes. Find the price at which he should sell each of the cars such that by selling bikes at $\frac{3}{4}$ th of this price he makes a profit of 40%.
A. Rs. 18000 B. Rs. 24000
C. Rs. 24600 D. Rs. 27000
E. Rs. 32000
90. The average weight of 15 girls was recorded as 54 kg. If the weight of the teacher was added, the average increased by two kg. What was the teacher's weight?
A. 75kg B. 95kg
C. 78kg D. 86kg
E. None of these

91. Two years ago the ratio of Sammy's age and Nitin's age was 1:3. Ten years from now, the ratio of their respective ages will be 7:9. If Amey is 4 years older to his brother Nitin, what is Amey's present age?
 A. 13 B. 8
 C. 32 D. 12
 E. 16
92. In a college, 2000 students are there in which 36% are girls. Each boy's monthly fees is ₹480 and each girl paid 25% less monthly fees in comparison to boy. What is the total monthly fees amount paid by boys and girls?
 A. 873400 B. 867300
 C. 876300 D. 873600
 E. None of these
93. If 6 years is subtracted from Atul's age and the remainder is divided by 18, the present age of his son Aman is obtained. Aman is 3 years younger to Vibhav whose current age is $\frac{1}{6}$ th Atul's age. Find the age of Aman.
 A. 2 B. 1
 C. 1.5 D. 2.25
 E. 3
94. A sum of money is divided amongst P, Q and R in the ratio of 3 : 4 : 5. Another amount is divided amongst A and B in the respective ratio of 2 : 1. If B got Rs. 1050 less than Q, what is the amount received by R?
 A. Rs. 2850
 B. Rs. 1000
 C. Rs. 1840
 D. Cannot be determined
 E. None of these
95. An alcohol addict drank $\frac{1}{3}$ of the bottle and added water to fill the bottle completely. He drank $\frac{2}{3}$ of the contents and again filled the bottle with water. What is the ratio of water to alcohol in the bottle now?
 A. 2: 7 B. 7: 2
 C. 3: 2 D. 2: 3
 E. None of these
96. A boat which is capable of travelling at 32kmph in still water is going downstream in a stream with speed 4kmph and against the wind blowing at 2kmph. If the boat is going at 75% of its maximum speed in still water then how long will it take to travel 91km in such a scenario.
 A. 2 hours B. 2.5 hours
 C. 3 hours D. 3.5 hours
 E. None of these
97. Gopal went to a fruit market with certain amount of money. With this money he can buy either 50 oranges or 40 mangoes. He retains 10% of the money for taxi fare. If he buys 20 mangoes, then the number of oranges he can buy is
 A. 25 B. 20
 C. 18 D. 6
 E. 10
98. Two pipes A and B can fill a tank independently in 10 hours and 15 hours respectively, while pipe C can empty it in 30 hours. All pipes are kept open for 6 hours after which pipes B and C are closed. In what time now onwards would the tank get full?
 A. 6 hours B. 2 hours
 C. 2.5 hours D. 3 hours
 E. None of these
99. A job can be completed by a person A alone in 24 days and by another person B alone in 40 days. A and B work on the job together and C works with them for 6 days. The three complete the job in 12 days. In how many days can C alone complete the job?
 A. 33 days B. 36 days
 C. 24 days D. 30 days
 E. None of these
100. Four different integers are such that sum of extreme numbers is 21 and sum of rest two is 19. The sum of the squares of all numbers is 442. What is the maximum number among all four?
 A. 7 B. 9
 C. 12 D. 15
 E. 17
101. **Direction:** *In the question below, there are given some statements followed by three or more conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.*
Statements:
 No green is purple
 All purple are acute.
 All acute are pink
 All pink are red.

Conclusion:

- I. No green is a pink
- II. All purple is pink
- III. At least some green are pink
- IV. Some pink are red.
- A. Only II follows
- B. Only I and IV follow
- C. Only II and III follow
- D. Only III and IV follow
- E. None of these

102. **Directions:** In each of the questions below are given some statements followed by three or more conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

Statement:

Some boxes are Cards
No card is a plate
All plates are pens
Some pens are chairs

Conclusion:

- I. Some chairs are boxes
- II. No chair is box
- III. Some pens are Cards
- A. None follows
- B. Only either I or II follows
- C. Only either I or II and III follows
- D. Only III follows
- E. Only II follows

103. **Directions:** In each of the questions below are given some statements followed by three or more conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

Statements:

All stops are horns.
No horns is a right
Some rights are drums
All drums are Waves

Conclusion:

- I. Some waves are stops.
- II. Some waves are right
- III. No wave is stop
- IV. Some rights are stops.

- A. Only I follows.
- B. Only II follows
- C. Only III follows
- D. Only either I or III follows
- E. Only either I or III and II follows

104. **Directions:** In each of the questions below are given some statements followed by three or more conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

Statements:

Some bees are grapes
Some grapes are hooks
Some hooks are lights
Some lights are tables

Conclusions:

- A. Some tables are grapes
- B. No table is grapes
- C. Some lights are bees
- D. No light is bee
- A. Only either I or II follows
- B. Only either III or IV follows
- C. Only either I or II & either III or IV follow
- D. Only I and III follow
- E. None of these

105. **Directions:** In each of the questions below are given some statements followed by three or more conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

Statements:

All disks are chocos.
All chocos are tools.
All tools are books.
All books are tablets.

Conclusion:

- I. Some tablets are tools.
- II. All chocos are books.
- III. Some books are disks
- IV. All disks are tablets.
- A. Only I, II and III follows
- B. Only I, III and IV follows
- C. Only II, III, and IV follow
- D. All follow.
- E. None of these

Direction (106-110): Read the following information and answer the question:

10 people are sitting in two rows facing each other. In Row 1 A, B, C, D and E are seated facing south and in row II P, Q, R, S and T are seated facing north.

They all study in either Government or private colleges having reservations under different categories General, SC, ST, OBC and PWD respectively.

No SC candidate is sitting at extreme ends. There are as many people between A and B as between A and OBC candidate.

T who sits at extreme right is a PWD candidate is diagonally opposite to the one who belongs to general and is in private college. Q is opposite to A who is to the immediate left of an SC candidate. Those who are diagonally opposite are not in same college. D who is in Government College is second to the right of PWD candidate. R is opposite to E who is not sitting at the extreme end is in private college. Person from same category and college are not opposite each other. Exactly 1 person sits between ST and General category candidate. Exactly 1 person sits between ST and Q.

106. Who is sitting between C and A?
A. E
B. D
C. Either E or D
D. Cannot be determined
E. None of these
107. Who among the following does not belong to Government College?
A. Q
B. E
C. A
D. Either Q or E
E. None of these
108. If P is in Govt. College than to which category will S belong to?
A. ST
B. OBC
C. Either A or B
D. None of these
E. Cannot be determined
109. Which of the following is true?
A. Q belongs to ST category.
B. R is in govt college
C. T is in pvt college
D. C sits at one of the extreme end
E. None of these
110. Who is second to the right of ST candidate?
A. Q and C
B. R and E
C. B and R
D. B and Q
E. D and Q

Direction (111-115): Study the following information carefully and answer the questions given below:

A, B, G, H, K, L, O and S are living in eight floors of the same building. The floors are numbered 1 to 8 from bottom to top. Each person in the building likes these cars-Audi, Skoda and Honda. Not more than three people use the same car.

- The one who lives on the topmost floor and the one who lives in the ground floor are do not like Skoda.

- Only two people like Audi and both of them live in an even numbered floor.

- Only one person is living below O's floor and only one person is living above H's floor.

- S stays on such a floor where the number of persons below his floor is three more than the number of persons above his floors and likes Honda.

- A is living between K's and L's floor and neither of them uses Audi.

- O is living immediately below L's floor and likes Audi.

- L and G like the same car.

111. Who among the following like Audi?
A. A and B
B. O and B
C. G and B
D. S and L
E. A and O
112. If all the persons are arrange in the alphabetical series according to their name from top to bottom then how many person positions will be unchanged?
A. 0
B. 1
C. 2
D. 3
E. 4
113. Who among the following does not like Honda?
A. H
B. S
C. L
D. G
E. None of these
114. How many persons live between H and A?
A. 0
B. 1
C. 2
D. 4
E. 5
115. Which of the following combination is correct?
A. S-7th-Honda
B. K-5th-Audi
C. A-4th-Honda
D. O-2nd-Audi
E. L-3rd-Skoda

Direction: Study the following information carefully and answer the questions given below:

M, N, O, P, Q, R, S and T are sitting around a square table in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The ones who sit at the four corners face the centre of the table while those who sit in the middle of the sides face outside. Each of them likes a different fruits, viz Banana, Apple, Plum, Grapes, Orange, Papaya, Mango and Pear (None of the information given in necessarily in the same order.)

* O sits third to the left of the one who likes Pear. The one who likes pear faces outside. Only two persons sit between O and T.

* The one who likes Banana sits on the immediate right of T. The one who likes Orange sits second to the right of S. S is neither an immediate neighbour of T nor of O. S does not like Pear.

* Only one person sits between M and the one who likes Orange.

* P sits on the immediate left of the one who likes Papaya. S does not like Papaya.

* Q likes Mango. Q is not an immediate neighbour of M.

* The one who likes Apple is an immediate neighbour of Q.

* The one who likes Grapes is an immediate neighbour of R.

116. Who amongst the following sits diagonally opposite the one who likes Banana?
- A. The one who likes Apple
B. P
C. M
D. The one who likes Plum
E. The one who likes Grapes
117. Who among the following represent the immediate neighbours of the one who likes Orange?
- A. N, R
B. O, Q
C. N, Q
D. P, R
E. R, T
118. Who among the following sits exactly between T and N?
- A. O
B. The one who likes Apple
C. The one who likes Plum
D. S
E. M

119. Which of the following is true regarding N?
- A. N is one of the immediate neighbours of P.
B. The one who likes Pear is an immediate neighbour of N.
C. N sits second to the left of T.
D. N likes Mango.
E. N is an immediate neighbour of the one who likes Banana.
120. What is the position of the one who likes Papaya with respect to S?
- A. Second to the left
B. Third to the right
C. Fourth to the left
D. Second to the right
E. Third to the left

Direction (121-125): A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input : season 23 42 passion 54 session section parliament 36 67 flower 91

Step I : 23 season 42 passion 54 session section parliament 36 67 flower 91

Step II : 23 67 season 42 passion 54 session section parliament 36 flower 91

Step III : 23 67 91 season 42 passion 54 session section parliament 36 flower

Step IV : 23 67 91 season 42 passion session section parliament 36 flower 54

Step V : 23 67 91 season passion session section parliament 36 flower 54 42

Step VI : 23 67 91 season passion session section parliament flower 54 42 36

Step VII : session 23 67 91 season passion section parliament 54 42 36 flower

Step VIII : session session 23 67 91 season passion 54 42 36 flower parliament

Step IX : season section session 23 67 91 54 42 36 flower parliament passion

And step IX is the last step of the arrangement.

As per the above rule followed in the above steps, find out in each of the following questions the appropriate step for the input given below

121. Input: 77 limpid 66 arrest lipid 55 44 lively
How many steps would be required to get the output?
- A. Six
B. Seven
C. Five
D. Eight
E. Four

122. Step II: 13 25 various 38 variety vary 66 vampire
What will be the fifth step?
A. 13 25 various 38 variety vary vampire 66
B. 13 25 various variety vary vampire 66 38
C. vary 13 25 various variety 66 38 vampire
D. various vary 13 25 66 38 vampire variety
E. There will be no such step.
123. What will be the third element from the right and second element from the left respectively in Step IV?
Simplicity 71 obstacle obstinate oblivious 65 98 46
A. 98, Simplicity B. 46, simplicity
C. 71, Obstinate D. Oblivious, 65
E. 98, 71
124. How many elements are between the fourth element from the right and third element from the left in the IV step?
89 mobile 76 laptop Bluetooth 13 password 50
A. Two B. Three
C. Four D. One
E. None of these
125. In step V, which of the following word would be on the 5th position (from the right)?
132 78 Mandatory 117 attend percentage 90 57 students compulsory 111 present
A. Mandatory B. attend
C. percentage D. students
E. compulsory

Directions (126-130): In each question below is given a group of letters followed by four combinations of digits/symbols numbered (1), (2), (3) and (4). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and the conditions and mark the number of that combination as your answer. If none of the combinations correctly represents the group of letters, mark (5) ie, 'None of these' as your answer

Letter : R A T K F Q E P J I M U D H
Digit/Symbol Code: 3 @ 2 1 9 4 C % 5 8 \$ 6 7 #

Conditions:

- (i) If the first letter is a consonant and the last letter is a vowel, their codes are to be interchanged.
(ii) If both the first and the last letters are vowels, both are to be coded as *..

(iii) If both the first and the last letters are consonants, both are to be coded as the code for the last letter.

126. DPEHQA
A. 7% ©#4@ B. @% ©#47
C. 7% ©#47 D. @% ©#4@
E. None of these
127. KEMRDF
A. * ©\$379 B. 1 ©\$379
C. 1 ©\$37* D. * ©\$31*
E. None of these
128. AHDUQK
A. 1#764@ B. 1#7641
C. *#764* D. @#764@
E. None of these
129. IDQJPT
A. 8745%2 B. 2745%8
C. *745%* D. 2745%2
E. None of these
130. UDKFME
A. *719\$ © B. 6719\$ ©
C. *719\$ * D. ©719#\$6
E. None of these

Direction (131-135): In each of the following questions, a relationship between different elements is shown in the statements. The statements are followed by some of the conclusions. Assuming the given statements to be true, find out which of the given conclusions is/are definitely true.

'A =! B' means 'A is not smaller than B'.
'A <> B' means 'A is not greater than B'.
'A € B' means 'A is neither greater than nor equal to B'.
'A # B' means 'A is neither smaller than nor equal to B'.
'A ≠ B' means 'A is neither smaller than nor greater than B'.

131. **Statements:**
A =! B; D € E; D € C; C < > B

Conclusions:

- I. A # E
II. C < > A
III. B =! D
IV. E # B
A. Only conclusion II is true
B. Conclusion II, III and IV are true
C. Conclusion I and IV are true
D. Conclusion I and II are true
E. All are true

132. **Statements:**
 $S < > T$; $O \in M$; $R \neq T$; $R \in O$
Conclusions:
 I. $M \neq T$
 II. $S \in O$
 III. $R =! S$
 IV. $O \in T$
 A. Only conclusion II is true
 B. Conclusion I and II are true
 C. Conclusion II and IV are true.
 D. Conclusion III and IV are true.
 E. Conclusion I, II and IV are true.

133. **Statements:**
 $G \in H$; $K \neq L$; $F \neq G$; $H =! K$
Conclusions:
 I. $F \neq H$
 II. $G \in L$
 III. $L < > H$
 IV. $K \in F$
 A. Conclusion I and II are true
 B. Conclusion I and III are true
 C. Conclusion I, II and III are true.
 D. Only Conclusion III is true.
 E. Only conclusion IV is true.

134. **Statements:**
 $X < > Z$; $Y \neq U$; $Y \neq X$; $V \in U$
Conclusions:
 I. $X \neq U$
 II. $Y < > Z$
 III. $Z =! V$
 IV. $V \in Y$
 A. Conclusion II and IV are true
 B. Conclusion I, III and IV are true
 C. Conclusion I, II and IV are true.
 D. Conclusion II and III are true.
 E. Conclusion I and III are true.

135. **Statements:**
 $P \neq I$; $N \neq Q$; $T < > Q$; $I \in N$
Conclusions:
 I. $P \in Q$
 II. $N \neq P$
 III. $T \in I$
 IV. $I \in Q$
 A. Only conclusion I is true
 B. Conclusion I and IV are true
 C. Conclusion I, III and IV are true.
 D. Only Conclusion II is true.
 E. All are true.

Direction (136-138): Study the following information carefully and answer the questions given below:

Nisha starts walking from point G and walks 20m towards south. She then takes a right turn and walks for 30m. She takes a left turn and stops at point A after walking for 15m. point T is 10m to the east of point A. Point K is 35m to the north of point T. point B is 5m to the west of point K.

136. If Komal is standing at point C which is 10m to the north of point B then, in which direction will she have to walk in order to reach point A?
 A. Northeast B. West
 C. Southwest D. South
 E. Southeast
137. How far and in which direction is point B with respect to point G?
 A. 25m towards west B. 20m towards east
 C. 25m towards east D. 20m towards west
 E. 25m towards north
138. The point where Nisha takes her first turn is in which direction with respect to A?
 A. Northwest
 B. Northeast
 C. North
 D. South
 E. Can't be determined

Direction (139-141): Study the following information and answer it:

A family of 8 persons – P, Q, R, S, T, U, V and W has three generations and three couples and each couple has at least one child. R is the only sister of U. T has only one daughter who is the aunt of V. W is the father of U, who is married to Q. S is not a male.

139. How is Q related to T?
 A. Daughter
 B. Sister-in-law
 C. Mother
 D. Daughter-in-law
 E. Brother-in-law
140. Who is R's father, son-in-law?
 A. V B. Q
 C. P D. W
 E. None of these
141. What is the ratio of females to the males in the family?
 A. 1
 B. 3: 5
 C. 5: 3
 D. Either (A) or (C)
 E. Either (A) or (B)

Direction (142-146): Study the following information carefully and answer the questions given below:

NGH ASB OWP BCA RMO

142. If the given words are arranged in the reverse order as they would appear in the English dictionary from left to right, which of the following will be the second from the right?
 A. NGH
 B. ASB
 C. OWP
 D. BCA
 E. RMO
143. If in each of the given words, each of the consonant is changed to a letter which is two place before that consonant and each vowel is changed to a letter which is three place after that vowel in English alphabetical series, then how many words thus formed would be having two vowels?
 A. 0
 B. 1
 C. 2
 D. 3
 E. 4
144. If in each of the given words, all the consonants are changed to next letter in English alphabetical order than all the alphabets are arranged in English alphabetical order within the word from left to right, then how many words will have vowel at first place?
 A. 0
 B. 1
 C. 2
 D. 3
 E. 4
145. If in all the words, the first alphabet is changed to the previous letter and last alphabet is changed to next letter in English alphabetical series then how many words will begin and end with the same letter?
 A. 0
 B. 1
 C. 2
 D. 3
 E. 4

146. How many letters are there in the English alphabetical series between the second letter of the second word from the right and second letter of the first word from the left?
 A. 0
 B. 1
 C. 2
 D. 3
 E. 4
147. How many pairs of letters are there in the world **SERVICES** each of which has as many letters between them as in the English alphabetical series?
 A. One
 B. Two
 C. None
 D. Three
 E. Four
148. **Direction:** Each even digit in the number 8795342 is replaced by the next higher digit and each odd digit is replaced by the previous lower digit and the digits so obtained are rearranged in ascending order. Which of the following will be the third from the left end after the rearrangement?
 A. 2
 B. 6
 C. 5
 D. 4
 E. None of these
149. In a row of thirty boys, R is fourth from the right end and W is tenth from the left end. How many boys are there between R and W?
 A. 15
 B. 16
 C. 17
 D. Cannot be determined
 E. None of the above
150. **Direction:** How many such pairs of digits are there in the number 5134876, each of which has as many digits between them in the number as when the digits are rearranged in ascending order within the number?
 A. None
 B. One
 C. Two
 D. Three
 E. More than three



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