

MSAT (Secondary): Sample Question Paper

MBA/PGDM

Language Comprehension

Directions (Q. 1-5): In each of the following sentences there are two blank spaces. Below each sentence there are five pairs of words denoted by numbers 1), 2), 3), 4) and 5). Find out which pair of words can be filled up in the blanks in the sentence in the same sequence to make it meaningfully complete.

Q1. It is _____ that in the present system there is neither justice nor _____ to law.

- (a) Disgusting, practice (b) Shameful, respect
(c) unethical, subject (d) **unfortunate, adherence**

Q2. The war will have far-reaching _____ for the _____ region.

- (a) Implications, distant (b) **Consequences, entire**
(c) Spell, diverse (d) Objective, across

Q3. The police has not demonstrated any measure of _____ in _____ with street protests.

- (a) Sympathy, tackle (b) Mercy, fighting
(c) Case, confronting (d) **Restraint, dealing**

Q4. Proper _____ needs to be taken to protect the green cover _____ rocks and hillocks.

- (a) presentation, amidst (b) planning, covering
(c) attention, across (d) **action, around**

Q5. In the last few years the _____ of administration has taken a _____

- (a) **quality, nosedive** (b) stature, u-turn
(c) infrastructure, backseat (d) area, vastness

Directions (Q. 6-15): Read the passage given below and answer the questions that follow based on the information given in the passage.

IN GORILLA society, power belongs to silverback males. These splendid creatures have numerous status markers besides their back hair: they are bigger than the rest of their band, strike space-filling postures, produce deeper sounds, thump their chests lustily and, in general, exude an air of physical fitness. Things are not that different in the corporate world. The typical chief executive is more than six feet tall, has a deep voice, a good posture, a touch of grey in his thick, lustrous hair and, for his age, a fit body. Bosses spread themselves out behind their large desks. They stand tall when talking to subordinates. Their conversation is laden with prestige pauses and declarative statements.

The big difference between gorillas and humans is, of course, that human society changes rapidly. The past few decades have seen a striking change in the distribution of power—between men and women, the West and the emerging world and geeks and non-geeks. Women run some of America's largest firms, such as General Motors (Mary Barra) and IBM (Virginia Rometty). More than half of the world's biggest 2,500 public companies have their headquarters outside the West. Geeks barely out of short trousers run some of the world's most dynamic businesses. Peter Thiel, one of Silicon Valley's leading investors, has introduced a blanket rule: never invest in a CEO who wears a suit. Yet it is remarkable, in this supposed age of diversity, how many bosses still conform to the stereotype. First, they are tall: in research for his 2005 book, "Blink", Malcolm Gladwell found that 30% of CEOs of Fortune 500 companies are 6 feet 2 inches or taller, compared with 3.9% of the American population. People who "sound right" also have a marked advantage in the race for the top. Quantified Communications, a Texas-based company, asked people to evaluate speeches delivered by 120 executives. They found that voice quality accounted for 23% of listeners' evaluations and the content of the speech only accounted for 11%.

Academics from the business schools of the University of California, San Diego and Duke University listened to 792 male CEOs giving presentations to investors and found that those with the deepest voices earned \$187,000 a year more than the average.

Physical fitness seems to matter too: a study published this month, by Peter Limbach of the Karlsruhe Institute of Technology and Florian Sonnenburg of the University of Cologne, found that companies in America's S&P 1500 index whose CEOs had finished a marathon were worth 5% more on average than those whose bosses had not. Good posture makes people act like leaders as well as look like them: Amy Cuddy of Harvard Business School notes that the very act of standing tall, with your feet planted solidly and somewhat apart, your chest out and your shoulders back, boosts the supply of testosterone to the blood and lowers the supply of cortisol, a steroid associated with stress. (Unfortunately, this also increases the chance that you will make a risky bet.) Besides relying

on all these supposedly positive indicators of fitness to lead, those who choose bosses also rely on some negative stereotypes. Overweight people—women especially—are judged incapable of controlling themselves, let alone others. Those who “uptalk”—habitually ending their statements on a high note as if asking a question—rule themselves out on the grounds that they sound tentative and juvenile.

Q6. What can be the suitable title of the passage?

- (a) **The look of a leader**
- (b) Age of diversity
- (c) Gorilla and humans
- (d) Physical fitness matters

Q7. What the author wants to convey by saying “age of diversity”?

- (a) There is diversity between man and woman
- (b) There is diversity between young generation and old generation
- (c) **There is no gender bias at global level**
- (d) All of the above

Q8. According to the passage what physical qualities are required to become CEO of a company?

- (a) Height, weight (b) Posture
- (c) Height, sound (d) **Both 3 and 4**

Q9. What is TRUE according to passage?

- I. Good postures makes people happy
- II. Physical fitness matters to become CEO
- III. Women are incapable of controlling their weight

- (a) I & II (b) **II & III**
- (c) III only (d) II only

Q10. Which of the following statement is false in the context of the passage?

- (a) The typical chief executive is mostly similar to Gorillas.
- (b) It is found that voice quality account for 23% of listeners.

(c) **Height, quality of sounds, posture are negative indicators.**

- (d) Both (1) and (2)

Q11. According to the passage, what is blanket rule?

- (a) Selected CEOs wear expensive cloths
- (b) Prestigious CEOs give presentation worldwide.
- (c) **CEOs wearing suit should not be chosen.**
- (d) Both (b) and (c)

Direction (12-13). Choose the word which is most nearly the SAME in meaning to the word printed in bold as used in the passage.

Q12. Uptalk

- (a) Aptly (b) Loud
- (c) **Talk up** (d) High

Q13. Stereotype

- (a) **Pattern** (b) Same
- (c) Difference (d) Example

Direction (14-15). Choose the word which is most nearly the OPPOSITE in meaning to the word printed in bold as used in the passage.

Q14. Relying

- (a) Count (b) Depend
- (c) **Ignore** (d) Reckon

Q15. Spread

- (a) Increase (b) Profusion
- (c) **Halt** (d) Terms

Directions (16-25):- In the following passage, some of the words have been left out, each of which is indicated by number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningfully complete.

Marketing also (16) an environment in the marketplace for healthy completion. Marketing efforts get the (17) out on pricing of products and services, (18) not only reaches the intended consumers, but also (19) other companies competing for the consumers’ (20). As opposed to companies that have a monopoly on products and services that can charge almost any (21), marketing helps keep pricing competitive for a business to try to win over (22) before its competition does. Without competition, well (23) companies would continue to (24) while lesser known companies or new companies would (25) little chance of ever becoming successful.

Q16.

- (a) **Fosters** (b) Grow
- (c) Develops (d) Creates

Q17.

- (a) Blow (b) Take
- (c) **Word** (d) Show

Q18.

- (a) That (b) **Which**
- (c) Who (d) Whom

Q19.

- (a) Approve (b) Credits
- (c) Acclaim (d) **Reaches**

Q20.

- (a) **Business** (b) Company
- (c) Details (d) Community

Q21.
(a)Rate **(b)Price**
(c)Scale (d)Money

Q22.
(a)Customers (b)Retailers
(c)Consumers (d)Clients

Q23.
(a)Known (b)Established
(c)Rating (d)Perform

Q24.
(a)Buy (b)Purchase
(c)Sell (d)Invest

Q25.
(a)Visit (b)Play
(c)See **(d)Stand**

Direction (26-30): Rearrange the following five sentences (A), (B), (C), (D) and (E) in the proper sequence to form a meaningful paragraph; then answer the questions given below them:

(A) "What is waste of my tax money", I thought, walking past the people having free Californian Chardonnay.

(B) "Speak to her", he said, "She's into books".

(C) The friend who had brought me there noticed my noticing her.

(D) In late 2003, I was still paying taxes in America, so it horrified me that the US Consulate was hosting a "Gallo drinking appreciation event".

(E) Behind them, a pianist was playing old film tunes, and a slim short woman was dancing around him.

Q26. Which of the following would be the Fourth sentence?

(a)B (b)A **(c)E** (d)C

Q27. Which of the following would be the First sentence?

(a)A (b)B (c)C **(d)D**

Q28. Which of the following would be the Fifth (Last) sentence?

(a)B **(b)A** (c)E (d)C

Q29. Which of the following would be the Second sentence?

(a)E (b)A (c)B (d)C

Q30. Which of the following would be the Third sentence?

(a)B (b)C (c)E **(d)A**

Directions (Q. No. 31-37) Which of the phrases (a), (b), (c) and (d) given below each statement should replace the phrase printed in bold in the sentence to make it grammatically correct?

Q31. Increased productivity necessary reflects greater efforts made by the employees.

(a) Increase productivity necessarily
(b) Increased productivity is necessary
(c) Increased productivity necessarily
(d) Increased production necessary

Q32. The small child does whatever his father was done.

(a) was done (b) did
(c) had done (d) have done

Q33. The moment they saw me, they were delight.

(a) was delight **(b) were delighted**
(c) are delighted (d) being delighted

Q34. If he has to spend five hours in the queue, it was really a wastage.

(a) was real a wastage (b) is real a wastage
(c) is really a wastage (d) is really a waste

Q35. You can always dependent on them.

(a) depend on them
(b) be dependent with them
(c) depend them
(d)depend to them

Directions (Q.36-40): Read each sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. The option of that part is the answer. If there is no error, the answer is d). (Ignore the errors of punctuation, if any).

Q36.

a) The rate on which we are /b) accumulating information is not /c) commensurate with the rate at which our awareness is growing. /d) No error.

Q37.

a) If one wants pearls /b) one has to dive deep /c) **beneath the sea or be content** with pebbles on the shore. /d) No error.

Q38.

a) This is the way/**b) to dissolving of** /c) all differences between individuals, communities and faiths. /d) No error.

Q39.

a) We need to /b) attune ourselves /c) to receiving or hearing the truth. /**d) No error.**

Q40.

a) We need to get /b) sensitized to the way /c) we affect other fellow humans. /**d) No error.**

Directions (41-45): In the following questions four sentences are given with a phrase underlined. These phrases may or may not be correct. Following the sentences are four phrases, from which one phrase will

replace the incorrect phrase. The number of that correct phrase will be your answer.

Q41. Although of the praise, Mr. Trump never formally nominated Mr. McAleenan to run the agency.

- (a) Despite of the praise (b) Whether the praise
(c) Despite the praise (d) Although the praised

Q42. Yesterday, ahead of Diwali, the Union government announce the Non-Productivity Linked Bonus (Ad-hoc) equivalent to 30 days of emoluments for the accounting year 2018-19.

- (a) government announces the
(b) government have announced the
(c) government announced the
(d) government is announced the

Q43. The two playwrights worked in close collaborating with each other on the script.

- (a) in close collaborate (b) on close collaborating
(c) on close collaborate **(d) in close collaboration**

Q44. If UK will agree to the provisions on e-commerce, it will mean it won't be allowed to impose data privatisation rules on industries looking to do business in UK.

- (a) agree to the **(b) agrees to the**
(c) shall agrees to the (d) will agrees to the

Q45. U.S. Customs and Border Protection said this week that arrests at the U.S.-Mexico border fall in September for the fourth month in the row.

- (a) border fell in** (b) border falled in
(c) border falling in (d) border has fell in

Directions (46-50): In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

For decades, there has been evidence that classroom techniques designed to get students to _____

(46) in the learning process produces better educational outcomes at virtually all levels.

And a new Harvard study suggests it may be important to let students know it.

The study shows that, though students felt as if they learned more through _____ (47) lectures, they actually learned more when taking part in classrooms that employed so-called active-learning strategies.

Lead author Louis Deslauriers, the director of science teaching and learning and senior physics preceptor, knew that students would learn more from active learning. But

many students and faculty remained hesitant to switch to it.

"Often, students seemed genuinely to prefer smooth-as-silk traditional lectures," Deslauriers said. "We wanted to take them at their word. Perhaps they actually felt like they learned more from lectures than they did from _____ (48) learning."

The question of whether students' perceptions of their learning _____ (49) with how well they're actually learning is particularly important, Deslauriers said, because while students eventually see the value of active learning, initially it can feel _____ (50).

"Deep learning is hard work. The effort involved in active learning can be misinterpreted as a sign of poor learning," he said. "On the other hand, a superstar lecturer can explain things in such a way as to make students feel like they are learning more than they actually are."

To understand that dichotomy, Deslauriers and his co-authors designed an experiment that would expose students in an introductory physics class to both traditional lectures and active learning.

When the results were tallied, the authors found that students felt as if they learned more from the lectures, but in fact scored higher on tests following the active learning sessions.

Ultimately, Deslauriers said, the study shows that it's important to ensure that neither instructors nor students are fooled into thinking that lectures are the best learning option. "Students might give fabulous evaluations to an amazing lecturer based on this feeling of learning, even though their actual learning isn't optimal," he said. "This could help to explain why study after study shows that student evaluations seem to be completely uncorrelated with actual learning."

Q46.

- (a) deadly (b) incurable **(c) participate** (d) take

Q47.

- (a) unusual **(b) traditional**
(c) duration (d) intolerable

Q48.

- (a) active** (b) result
(c) recent (d) Counter

Q49.

- (a) matches** (b) aims (c) tells (d) fails

Q50.

- (a) kindle (b) registered
(c) turning **(d) frustrating**

Intelligence & Critical Reasoning

Direction (51-54): Study the following information to answer the given questions:

Twelve persons are sitting around two circular tables as one is inscribed in another one. All of them are facing towards the center.

A, B, C, D, E, F six persons are sitting around the inner circular table.

P, Q, R, S, T, U six persons are sitting around the outer circular table.

Note- The persons of outer circular table are sitting exactly behind the persons sitting around the inner circular table.

B is sitting second to the right of E. R is an immediate neighbour of the one who is sitting behind B. Only one person sits between A and F (either from the left or from the right). A is not an immediate neighbour of B. P is sitting behind F. Only two persons sit between R and T (either from the left or from the right). U is an immediate neighbour of P. D is an immediate neighbour of A. T is not sitting behind D. Q is not an immediate neighbour of R.

Q51. Who among the following person is sitting third to the left of A?

- (a) F (b) E (c) D **(d) B**

Q52. How many persons are sitting between S and P in the outer circle?

- (a) One (b) More than three
(c) Three **(d) Two**

Q53. Four of the following are alike in a certain way so form a group which of the following does not belong to the group?

- (a) A, P** (b) C, R (c) E, T (d) B, U

Q54. Who among the following person is sitting immediate right of S?

- (a) P (b) T (c) U **(d) Q**

Q55. Six persons A, B, C, D, E and F lives on 6 different floors of a same building. Bottommost floor is first, the floor above it is second and so on till topmost floor which is sixth. A lives on odd numbered floor. C lives immediately below A. Two floors gap between floors of C and F. D lives immediately above F. B lives above E, who lives below F. How many persons live below E?

- (a) None** (b) One
(c) Two (d) Three

Q56. Seven letters are arranged in a linear arrangement to form a meaningful word. A is second to the left of I. L is to the left of N. Not more than two letters are placed

between I and G. G is placed to the right of I. G is not neighbor of E and D. D and E are placed next to each other. Which letter is placed in exactly middle of the meaningful word so formed. If more than one word is formed mark your option as X?

- (a) N (b) L **(c) X** (d) E

Directions (57-59): Study the following information carefully to answer the given questions:

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement.

INPUT—2538 5628 8516 7524 6325 2645

STEP I- 2358 2568 1568 2457 2356 2456

STEP II- 1568 2356 2358 2456 2457 2568

STEP III- 56 35 35 45 45 56

STEP IV- 11 8 8 9 9 11

Step IV is the last step of the rearrangement. As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input.

Input: 3846 9213 8273 7341 5218 3285 6925 4758

Q57. What will the addition of the numbers which is second, fourth, sixth and eighth from the left end in step IV?

- (a) 32 (b) 23 **(c) 38** (d) 40

Q58. Which of the following would be the difference of the numbers which is 2nd from left end in step I and fourth from right end in Step II?

- (a) 1138 (b) 1287
(c) 1139 (d) 2125

Q59. Which of the following element will be 3rd to the left of 7th from the left end in step III?

- (a) 34 (b) 37 (c) 25 **(d) 35**

Direction (10-10): In the following question a statement is given followed by two more statements numbered as I and II. You have to read both the statement and decide which of them strength which of them strengthens or weakens the statement.

Q60. The company A used to outsource its recruitment process for some years but this year the company has decided to conduct the recruitment process within the Organisation.

I. The employees who have been working in the Organisation are aware of that hard work is required to work in the company.

II. The company has decided to appoint three new persons in its senior level authority for the smooth recruitment process.

(a) Both I and II strengthens

(b) I strengthen while II weakens

(c) II strengthens while I is neutral

(d) Statement I and Statement II is neutral.

Directions (61-64): Study the following information carefully and answer the questions given below:

Six boxes P, Q, R, S, T and U are placed in a stack one above other. Each contains different number of chocolates viz. 250, 190, 119, 175, 280 and 210.

Box P is placed immediately above box R. Three boxes placed between R and the box which contains 250 chocolates. Box which have 175 chocolates is just above the box which have 250 chocolates. One box placed between box T and the box which have 175 chocolates. U contains 210 chocolates. The box which contain 119 chocolates is placed below box U. Three boxes placed between box S and the box which have 119 chocolates. One box is placed between box Q and the box which have 190 chocolates.

Q61. Which box contains 210 chocolates?

(a) U (b) Q (c) R (d) S

Q62. Which box is placed at topmost position?

(a) U **(b) Q** (c) R (d) S

Q63. Box R and T together contains how many chocolates?

(a) 399 (b) 369 (c) 294 **(d) 309**

Q64. How many boxes are placed between box Q and the box which have 119 chocolates?

(a) one (b) two (c) three **(d) four**

Directions (65-67): In each of the questions below are given some statements followed by some 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 the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer

Q65. Statements: Some tube are bulb. All light are tube. All current are light.

Conclusions:

I. Some Current are bulb

II. Some light being bulb is a possibility.

III. Some tube are not current.

(a) Both I and III follows

(b) either I or II follows

(c) Only II follows

(d) None follows

Q66. Statements: Some file are copy. Some copy are eraser. No Pen is file.

Conclusions:

I. Some file are eraser

II. All pen can never be copy.

III. No file is eraser

(a) Only I follow

(b) Only II follows

(c) Only III follows

(d) Either I or III follows

Q67. Statements:

Some file are copy.

Some copy are eraser.

No Pen is file.

Conclusions:

I. All copy can be pen.

II. Some copy can never be pen.

III. Some eraser being pen is a possibility.

(a) Only I follow

(b) Only II follows

(c) Only III follows

(d) Only II and III follows

Directions (68-71): Study the following information carefully and answer the questions given below.

Six persons J, K, L, M, N, O are born in six different years 1946, 1958, 1963, 1971, 1994, 2006. All of them like different colours Red, Black, Orange, Pink, White, Yellow. Note- All the calculations of the ages are to be done on the basis of year 2019.

The sum of the ages of M and the one who likes Black colour is 86. The one who likes Pink colour was born in an even numbered year. M does not like red colour. The one who likes Pink colour is older than the one who likes Black colour. M does not like Pink colour. K is older than the one who like Pink colour. N likes Orange and was born in an odd numbered year. The sum of the ages of J and the one who likes Yellow colour is 81. O is younger than the one who likes orange colour. L does not like yellow colour.

Q68. Who among the following likes Red colour?

(a) J (b) O (c) M **(d) L**

Q69. How many persons born after O?

(a) Two (b) Four

(c) None (d) One

Q70. Which of the following statement is not correct regarding K?

(a) K is younger than M

(b) K likes Yellow

(c) K is elder to J

(d) The one who likes White is younger than K

Q71. In which of the following year J was born?

- (a) **1994** (b) 1958
(c) 1971 (d) 2006

Q72. Six persons L, M, N, O, P and Q sit in a linear row adjacent to each other facing north. Three persons sit between Q and P. N sits immediate left of Q. Two persons sit between N and M. How many persons sit to the left of M?

- (a) one (b) two (c) **three** (d) four

Q73. Which of the following symbols should replace the sign (@) and (%) respectively in the given expression in order to make the expression $L \geq U$ and $R > J$ definitely true?

$$L \geq K \geq P = N = J @ U \leq A \% R$$

- (a) $\leq, =$ (b) \leq, \leq (c) $>, \leq$ (d) **$=, <$**

Q74. Which of the following will be definitely true if the given expression $T \geq U \geq M = N < J = P < Q \leq R$ is definitely true?

- (a) $T < J$ (b) $U > M$ (c) **$R > N$** (d) $R \geq M$

Directions (75-79): Study the following information carefully and answer the questions given below.

Twelve persons are born on three different dates 5, 12, 21 of four different months viz. March, May, September and November. Only one person is born on one date of a month. J was born on 5 of a month having 30 days. Only three persons were born between J and H. H does not born on an even date of a month. As many as persons born after H as born before A. Five persons born between A and D. Only two persons born between F and E. C born on an even date but immediately after K. Six person born between C and B. E born immediately before B. M born on an even date after L but before G.

Q75. How many persons born between C and F?

- (a) **Two** (b) More than three
(c) Three (d) One

Q76. Who among the following is born immediate before G?

- (a) K (b) L (c) J (d) **M**

Q77. H born on which of the following day?

- (a) 21 May (b) 12 March
(c) 5 September (d) **21 March**

Q78. Which of the following statements is true?

- (a) J and G both were born in same month
(b) F was born on odd date
(c) G was born on 5th
(d) **B was born on 21st**

Q79. In a certain code, numbers from (0-9) are coded as four alphabets i.e. '0389' is coded as 'AACD', '146' coded as 'ABA', then how is '257' coded?

- (a) CBA (b) CDA
(c) BAC (d) **BCB**

Q80. If all the letters of each given words are arranged in alphabetical order within the words, then in how many words third and fifth letter remains on the same position as earlier?

I. MBEKTYD

II. GPNAQUS

III. XCJRHO

- (a) Only I (b) Only I and II
(c) All I, II and III (d) **Only II**

Directions (81-82): Study the following information carefully and answer the questions given below.

The principal of St. Mary school organized extra classes for week students of X class and the concerned teachers are getting paid extra amount for the classes. But the average salary of teachers more or less remains the same.

Q81. Which of the following can be assumed from the given statement?

- (I) The students of class X of school Y will score more marks than students of St. Mary school.
(II) Students of class X are not serious about exams.
(III) Extra classes arranged by the principal for students of class X will help the students to score well in exams.
(a) Both I and II (b) Both II and III
(c) Only II (d) **Only III**

Q82. What can be the reason behind the average of the salary remain same of teachers?

I. Student of class X attend the extra class two or three days in a week although the teachers provide the class regularly.

II. Teachers started taking more holidays after the commencement of the extra classes.

III. Teachers are already working overtime for checking and preparing homework for students on daily basis.

- (a) Both I and II (b) **Both II and III**
(c) Only II (d) Only III

Direction (83): The tuda company is the third largest producer of steel with 1.5 lakh employees. The company is going to start a new unit by hiring 35% of its current employees. After its commencement the company will become the largest steel producer with 32.5 billion turnover.

Q83. Which of the following can be inferred from the given statement?

I. The app. turnover of new unit of tuda company will be 1.5 million.

II. The company is required to hire 52000 employees.

III. With 52500 new employees of the new unit, the company will be able to reach the 32.5 million turnover.

IV. The turnover of the tuda company is now below 32.5 million.

(a) Both I and II **(b) Both III and IV**

(c) Only IV (d) Only III

Directions (84-87): Study the following information carefully and answer the questions given below.

Ten persons are standing in a row facing north. All of them earn different amount viz. 3000, 4500, 5000, 7000, 8500, 10000. Three persons are standing between B and R. H is standing immediately ahead of B. L is standing adjacent to R. L is standing at extreme end. Six persons are standing between A and Y. Y is standing behind A. Only one person is standing between A and D. Q is standing ahead of G but behind Z.

The following information is given for the amount earn by them—

S@P means S earn more than P.

S#P means S earn less than P.

S\$P means S earn equal to P.

The amount earn by all of them is given below—

A@Z\$H@R\$Q\$G, Y\$D#G, A#L#B

Q84. What will be the sum of the amount earn by Q, Z and L?

(a) 19000 **(b) 18000**

(c) 17000 (d) 20000

Q85. How many persons are standing ahead of B?

(a) Two **(b) More than three**

(c) Three (d) One

Q86. How many persons are standing between Q and R?

(a) Two (b) More than three

(c) Three (d) One

Q87. How many persons earn less than G?

(a) Two (b) More than three

(c) Three (d) One

Directions (88-90): Study the following information carefully and answer the questions given below.

A%B (7)- A is 12m in north of B

A\$B (12)- A is 17m in south of B

A#B (32)- A is 37m in east of B

A&B (14)- A is 19m in west of B

M%K (33), J#K (9), G%J (19), H&G (23), N\$H (25)

Q88. K is in which direction with respect to G?

(a) North (b) West

(c) North-west **(d) South-west**

Q89. If Z is the midpoint of the line formed between H and G, then what is the distance between H and Z?

(a) 12m **(b) 14m**

(c) 16m (d) 17m

Q90. If X is in west of J and lies on the line formed by H and N, then what is the distance between X and N?

(a) 10m (b) 24m

(c) 6m (d) 16m

Directions (91-95): In each of the following below is given a group of letters followed by four combinations of digits/symbols numbered (a), (b), (c) and (d). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and mark the number of that combination as the answer. If none of the four combinations correctly represents the group of letters, mark (e), i.e. 'None of these', as the answer-

Note: More than one condition may apply.

Letter	R	G	F	A	P	Q	U	M	E	I	B	J	S	O	L
Symbol	#	2	7	μ	%	3	&	9	1	@	5	©	6	8	\$

Conditions:

(i) If first letter is vowel and last letter is consonant then both are coded with the code of the consonant.

(ii) If both the 2nd and the last letter is vowel, then their codes are to be interchanged.

(iii) If the second letter is a consonant and the 2nd last letter is a vowel, both are to be coded as the code for the vowel.

(iv) If both 1st and fifth letter is consonant then both are coded as the code of third letter.

(v) If only one condition is applied among the above given, then the code of first letter is interchanged with code of second letter and third letter code interchanged with 4th letter and so on after that applied condition.

Q91. AMGFIS

(a) 6@27@4

(b) 6@27@6

(c) 6@27#6

(d) 6@2@76

Q92. PUGRLE

(a) 2122#&

(b) 221#2&

(c) 212#&2

(d) 212#2&

Q93. UAIMUI

(a) @&9@μ&

(b) @&@9μ&

(c) @9&@μ&

(d) @&99μ&

Q94. MJGLBF

- (a) ©2\$227 (b) ©\$2272
(c) ©\$2227 (d) **None of these**

Q95. GFPQMB

- (a) %7%3%5 (b) 27%395
(c) **7%3%5%** (d) %7%395

Q96. Statement:- The Union health ministry has made Aadhaar a compulsory document for tuberculosis patients to be able to avail treatment under the government's Revised National Tuberculosis Control Programme (RNTCP).

(I) A person cannot take treatment of TB without Aadhar card.

(II) Patients suffering from TB will be unable to get benefits under a central government scheme till they produce their Aadhaar card.

(III) An individual eligible to receive the benefit under the scheme, is hereby, required to furnish proof of possession of Aadhaar number or undergo Aadhaar authentication.

(IV) The World Health Organisation (WHO) recently said that tuberculosis epidemic in India was "larger" than what had been previously estimated.

Which of the following could be the inference of the given statement?

- (a) Only II (b) Only I and III
(c) **Only II and III** (d) Only I

Q97. Statement- The Captain Amarinder Singh-led government in Punjab has announced free education for girls in government schools and colleges from Nursery to PhD.

(I) Good social welfare law. It is initially for girls as they are comparatively disadvantaged. Hopefully it will soon be followed by free education for everyone.

(II) It is gender biased as if a poor or average person wants to educate his son for higher education he has to pay higher bills .If you are introducing a law / scheme / bills under no circumstance it should not favour any particular gender, if they are really concerned about education.

(III) Do not differentiate a poor or average person on gender. A poor boy or man should also get free education as well.

Which of the following argument holds strong for the given statement?

- (a) Only II (b) Only III
(c) **Only II and III** (d) Only I and II

Directions (98-100): Study the given information carefully to answer the following questions:

Six persons i.e. A, B, C, E, F and G who all are sitting around a circular table facing outside. They all are of different age. F is third youngest person. Only two persons sits between E and F. G sits second to the left of C, who is 20 years of age. The one who is second oldest person is of 24 years of age. G is elder than A and C but not the eldest. C sits on the immediate right of E. B is elder than A and G. A and G are not immediate neighbours. The one who is the youngest is less than 20 years of age. A is not younger than F.

Q98. What will be the possible age of A?

- (a) **22 years** (b) 20 years
(c) 27 years (d) 19 years

Q99. What is the position of G with respect to A?

- (a) Third to the left (b) Second to the right
(c) Third to the right (d) **Both (a) and (c)**

Q100. Who among the following is the youngest among all?

- (a) A (b) **E** (c) C (d) F

Mathematical Skills

Q101. $(0.85\% \text{ of } 405) + (2.25\% \text{ of } 550) = ?$

- (1) 16.7175 (2) 15.7150
(3) 13.8175 (4) **None of these**

Q102. $916 \times ? \times 3 = 214344$

- (1) **78** (2) 68 (3) 84 (4) 66

Q103. $(?)^2 + (65)^2 = (160)^2 - (90)^2 - 7191$

- (1) 75 (2) 77
(3) 79 (4) **None of these**

Q104. $(52\% \text{ of } 3543) - (38\% \text{ of } 2759) = ?$

- (1) 653.36 (2) 993.24
(3) 821.64 (4) **793.94**

Q105. $4985.23 + 4632.14 - ? = 4022.12$

- (1) 5955.25 (2) **5595.25**
(3) 5295.55 (4) 5255.95

Q106. Rohit starts a business with Rs.6,500 and after 8 months Shyam joins Rohit as his partner. After 4 years the profit is divided in the ratio of 13 : 12.

What is Shyam's contribution in the capital?

- 1) Rs. 7400 (2) **Rs. 7200**
3) Rs. 7250 (4) Rs. 7630

Q107. The speed of a boat in still water is 20 kmph and the rate of current is 4 kmph. The distance travelled by the boat downstream in 30 minutes is

- 1) 8 km (2) 10 km
(3) **12 km** (4) 14 km

Q108. Rs. 2,000 is invested at 10% p.a. on simple interest. If that interest is added to the principal after every 20 years, the amount will become Rs. 14,000 after

- 1) 15 years (2) **33.33 years**
3) 16.75 years (4) 40 years

Q109. Two trains 128 meters and 122 meters long are running towards each other on parallel lines at 48 kmph and 42 kmph respectively. In what time will they clear off each other from the moment they meet?

- (1) **10 seconds** (2) 12 seconds
3) 18 seconds (4) 14 seconds

Q110. A boat running downstream covers 28 km in 7 hours, while for covering the same distance upstream it takes 14 hours. What is the speed of the boat in still water?

- 1) 4 kmph (2) **3 kmph**
3) 4.2 kmph (4) 5 kmph

Q111. Ram sells a car to Mohan at a profit of 16% and Mohan sells it to Shyam at a profit of 25%. How much profit% Ram would have got if he had sold the car directly to Shyam at the price Shyam bought it?

- 1) 41% (2) 42% (3) **45%** (4) 50%

Q112. A sum on compound interest amounts to Rs. 2410 in 3 years and Rs. 2651 in 4 years. Find the sum.

- 1) Rs. 1216 (2) Rs. 1500
(3) **Rs. 1811** (4) Rs. 1600

Q113. Ajay covers distance by car driving at 60 kmph and returns back to the starting point riding on a scooter at 45 kmph. What is his average speed?

- 1) 50.12 km (2) 50.6 km
3) 51.52 km (4) **51.42 km**

Q114. Two trains of length 120 m and 90 m respectively with the same speed pass a static pole in 8 seconds and 6 seconds respectively. In what time they will cross each other if they are moving in opposite directions?

- 1) 14 seconds (2) 6 seconds
3) 20 seconds (4) **7 seconds**

Q115. A train travelling at the speed of 50 kmph leaves from a station. Another train travelling at speed of 60 kmph leaves the same station after 7 hours in the same direction. They will meet after what distance?

- 1) 1800 km (2) **2100 km**
3) 2400 km (4) 2700 km

Q116. A alone would take 6 hours more to complete the job than if both A and B would work together. When B worked alone he took 1.5 hours more to complete the job and A and B worked together. How much time they will take if they work together?

- (1) **3 hours** (2) 4 hours
3) 4.5 hours (4) 5 hours

Q117. A dealer bought an item at 10% discount on its original price. He sold it at 35% more than the original price. What percentage profit did he get?

- 1) 25% (2) 45% (3) 22.5% (4) **50%**

Q118. The diameter of a circle is equal to the perimeter of a square whose area is 3136 sq cm. What is the circumference of the circle?

- (1) 352 cm (2) **704 cm**
(3) 39424 cm (4) Cannot be determined

Q119. Cost of fencing a circular plot at the rate of Rs. 15 per m is Rs. 3300. What will be the cost of flooring the plot at the rate of Rs. 100 per square metre?

- (1) **Rs. 385000** (2) Rs. 220000
(3) Rs. 350000 (4) Cannot be determined

Q120. Area of a rectangle is equal to the area of a circle whose radius is 14 cm. If the breadth of the rectangle is 22 cm, what is its length?

(1) 24 cm **(2) 28 cm**

(3) 26 cm (4) Cannot be determined

Directions (Q.121-125): What should come in place of question mark?

Q121. 126 64 34 20 14 ?

(1)12 (2) 10 (3) 8 (4) 6

Q122. 4 6 14 44 ? 892

(1)160 **(2) 176** (3) 492 (4) 286

Q123. 10 11 13 21 69 ?

(1)382 (2) 420 (3) 424 **(4) 384**

Q124. 15 34 20 ? 25 43 30

(1)40 **(2) 39** (3) 38 (4) 41

Q125. 16 8 12 30 ? 472.5

(1) 105 (2) 108 (3)148 (4) 156

Data Analysis & Sufficiency

Directions (Q. 126-130): Study the following table carefully to answer the questions that follow Number of Gold coins (in hundred) produced in Five Different companies during Six Different month

Months	Companies				
	P	Q	R	S	T
Feb	96	56	57	103	92
March	78	134	63	125	117
April	84	156	58	95	119
May	114	149	103	154	143
June	102	133	78	149	138
July	167	147	87	127	127

Q126. What was the respective ratio between the number of Gold coins produced from company P in the month may and the number of Gold coins produced from company T in the month June?

- (1) 38 : 41 (2) 23 : 21
 (3) 19 : 21 **(4) 19 : 23**

Q127. What was the total number of Gold coins produced from all the companies together in the month of march?

- (1) 53500 **(2) 51700**
 (3) 5.15 thousand (4) 51500

Q128. In which company the number of the Gold coins continuously increased during the year February to July?

- (1) Only R and T (2) Only Q
(3) Only P **(4) None of these**

Q129. In which Company was the number of Gold coins produced out in the month May highest?

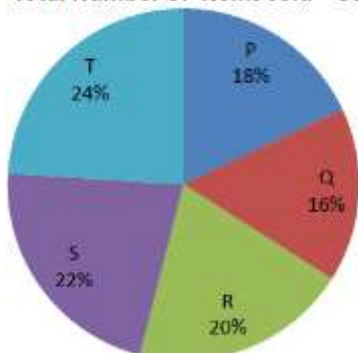
- (1) Q (2) P (3) T **(4) S**

Q130. Number of Gold coins produced from company R in the month May was approximately what percentage of the number of Gold coins produced in the company T in the month March?

- (1) 85** (2) 95 (3) 60 (4) 40

Directions (131-135): There are five shops P, Q, R, S and T and they sell two different items - item A and item B. Following pie-chart shows the total no. of items sold by different shops in a particular month.

Total Number of Items sold = 500



Q131. What is the central angle corresponding to the total number of items sold by shop S ?

- (a) 87.8° (b) 71.2°
(c) 79.2° (d) 77.8°

Q132. Total number of items sold by shop P is equal to 36% of the total items purchased by shop P, then what is total number of unsold items of shop P ?

- (a) 320 **(b) 160** (c) 140 (d) 360

Q133. If the total number of items sold by shop S are 10% more and that of T are 20% more in the next month, than what is the total number of items sold by shop S and T together in the next month ?

- (a) 265** (b) 355 (c) 255 (d) 365

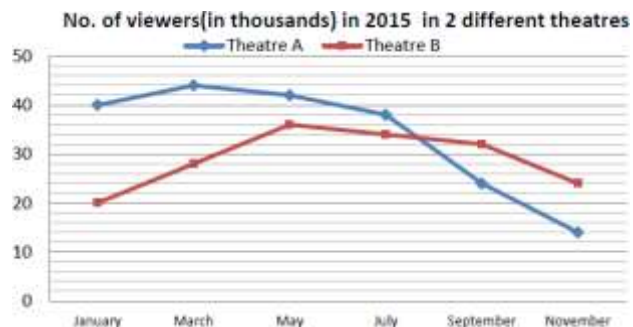
Q134. If the total no. of item B sold by shop Q and that of R are equal and the ratio between the item A sold by shop Q to the item A sold by shop R is 2 : 3, then find the total number of item B sold by shop Q and R together ?

- (a) 80** (b) 90 (c) 70 (d) 100

Q135. If the total number of item B sold by all of the shops together are 58% of the total items sold by all of the shops, then find the difference between the item A sold by all of the shops together and the item B sold by all of the shops together ?

- (a) 60** (b) 70 (c) 85 **(d) None of these**

Directions (136-140): Study the following line graph carefully and answer the following questions



Q136. What is the difference between total number of viewers of theatre A in may, September and November together and the no. of viewers of theatre B in the same months ?

- (a) 12000** (b) 16000
 (c) 8000 (d) 14000

Q137. If number of viewers of theatre A in January 2016 increases by 20% and that of theatre B by 10% as compared to the corresponding no. of viewers of these theatres in January in 2015. Then find the difference

between no. of viewers of theatre A and theatre B in January 2016.

- (a) 20000 (b) 22000
(c) 25000 **(d) 26000**

Q138. The number of viewers of theatre B in October is equal to average of the viewers of same theatre in September and November, also the viewers of theatre A in October is of the viewers of theatre B in the October month. Find the number of viewers of theatre A in October.

- (a) 24000 (b) 22000
(c) 25000 **(d) 20000**

Q139. The total number of viewers in march 2016 increased by 40% as compared to that in March 2015. If the viewers of theatre A in March 2016 are 25% more than that in 2015. Then find the difference between number of viewers of theatre B in March 2016 and in March 2015.

- (a) 15800 (b) 19800
(c) 17800 (d) 18800

Q140. What is the ratio of viewers of theatre A in May and November together to that of theatre B in January and September together?

- (a) 14 : 11 (b) 13 : 14
(c) 11 : 14 **(d) 14 : 13**

Directions (141-145): In the following table, the investments and profit of three persons is given for different years in a joint business.

Year	Investments (In Rs.)			Profit (In Rs.)		
	A	B	C	A	B	C
2012	17000	21000	23000	85000	—	115000
2013	—	5000	—	—	12500	92500
2014	—	7000	8000	—	—	14000
2015	—	—	9000	50000	44000	24000
2016	11000	20000	—	—	—	—

Note:

- Apart from year 2015, they invested the amounts for same period.
- Some values are missing. You have to calculate these value per given data.

Q146. If the total profit in 2014 is 49000, then find the ratio of the investment of B in 2013 to the investment of A in 2014.

- (a) 5 : 13** (b) 10 : 27
(c) 15 : 11 (d) 20 : 33

Q147. In year 2015 total investment of A and B is 58000, A and B invested their amount for 6 months and 4 months respectively then find the number of months that C invested his amount ?

- (a) 4 months (b) 6 months

(c) 8 months (d) Can't be determined

Q148. The ratio of Total profit earned by B in year 2012 the profit earned by him in the year 2016 ?

- (a) 3 : 11 (b) 13 : 29
(c) 33 : 59 **(d) Can't be determined**

Q149. Total investment made by A,B and C in 2013 was Rs75000. Profit earned by A in 2013 is approximate what % more than the investment made by C in 2013 ?

- (a) 131% (b) 115%
(c) 120% **(d) 123%**

Q150. Total profit earned by all in 2016 is 445500 Rs. and the ratio of investment made by A and B together and investment made by B and C together is 31 : 52. Then find the difference between the profit made by A and C in 2016 ?

- (a) 153000 **(b) 148500**
(c) 166000 (d) 170000