QUANTITATIVE ANALYSIS

1. Anita and Shina can complete a work together in 60 days. If Shina is thrice as efficient as Anita, then how many days Anita will take to complete the work alone?
   Ans: 240 days

2. Astha and Vidya can finish a work in 18 days and 36 days respectively. They finished the work together and were paid Rs. 1020. What would be the share of **Astha** if it depends on their work efficiency?
   Ans: Rs. 680

3. Garima and Tanu started walking from the opposite ends of a linear track "XY" of 800 m. If both of them meet at 560 m from point X, then determine the ratio of their speeds (in order).
   Ans: 7 : 3

4. Susan, Ella, and Dolly can together complete a task in 10 days; Ella, Dolly, and Kate can together complete it in 15 days; and Ella and Dolly take 30 days to complete the same task. Determine the number of days that all the 4 girls will take to complete the task while working together.
   Ans: 7.5 days

5. Larry and Peter start running on a circular track (132 m) from the same point, at the same time and in the same direction. Larry runs faster than Peter and overtakes him in the middle of his 4th round. If they compete in a 2.1 km race, then how much head start should be given to Peter such that they complete the race at the same time?
   Ans: 600 m

6. When an article was sold for Rs. 500, the profit percent was 25%. Determine the cost price of the article.
   Ans: Rs. 400

7. If the cost price of a product is Rs. 1,000, the markup is 50% and the discount is 10%, then determine the selling price.
   Ans: Rs. 1,350

8. An article was purchased for Rs. 6,500 and was sold after two successive discounts of 10% and 20% respectively. Determine the selling price of the article.
   Ans: Rs. 4680

9. Sara bought a handbag and a mobile phone for Rs. 80,000. She sold the handbag at a profit of 25% and the mobile phone at a loss of 6%, thereby gaining 8% on the whole. Determine the cost of the handbag.
   Ans: Rs. 36,130

10. Determine the Principal borrowed when the difference between the compound interest and the simple interest on it at 25% p.a. for 2 years is Rs. 350.
    Ans: Rs. 5,600

11. Determine the sum for which the difference in the compound interest and simple interest at 50% p.a. for 2 years is Rs. 700.
    Ans: Rs. 2,800

12. Determine the value of "n" for the following series when the sum of its "n" terms is 630.

    6, 12, 18, 24, 30, _ _ _ _
    Ans: 14

13. Which of the following is the <u>smallest</u> number?
    Ans: 40% of 1000

14. Determine the approximate amount of wheat W_1 costing Rs. 4.70 that must be mixed with 28 kg of wheat W_2 costing Rs. 5.20 in order to gain 48% on selling the resultant mixture at Rs. 3.33 per kg.
    Ans: 32 kg

15. Karl's commission on sales is 10% on all sales upto Rs. 15,000 and 7% on the amount above that. If he remits Rs. 55,350 to his organization after deducting his commission, then determine the total sales.
    Ans: Rs. 60,000

16. A student scored 53%, 64%, 87%, 58%, and 38% marks in 5 subjects of an exam with 100, 110, 120, 140, and 150 respectively as maximum marks. Determine his aggregate percentage.
    Ans: 59%

17. In a University of 6000 students, 65% are males out of which 20% are pursuing post graduation. If there are 30% students in all that are pursuing post graduation from

the University, then what percent of females are pursuing post graduation from the University?

Ans: 49%

18. Amita, Bani, and Chaya enter into a partnership by investing in the ratio 3 : 4 : 5. After a year, Bani invests additional Rs. 18,000 while Chaya, at the end of 2 years, also invests Rs. 18,000. If at the end of 3 years, the profits are shared in the ratio 12 : 25 : 29, then determine the total investment of Bani.

Ans: Rs. 50,000

19. Determine the sum of all the terms of the following series.

16, 20, 24, _ _ _ _ _, 232, 236

Ans:7056

20. Determine the sum of first 20 terms of the following series.

0, 1, 2, 2, 6, 4, 12, 8, 20, 16,_ _ _ _

Ans: 1353

21. 8 litres of a salt solution containing 15% salt is mixed with 4 litres of a salt solution containing 20% salt. If 2000 cm^3 salt is also added to the mixture, then what is the quantity of salt in the given mixture rounded off to the nearest integer?

Ans:29%

22. During its Mega Sale Season, Woolland gives its customers three consecutive discounts of 15%, 25%, and 20% on Product "A" and still makes a profit of 20% on the C.P. Determine the profit percentage that Woolland would have earned if it had given discounts of 15% and 25% only

Ans:50%

23. If $(a^2 + b^2) = 100$ and a = -8, then determine the value of $(a + b)^3$ for b < 0.

Ans: -2744

24. If LCM and HCF of two numbers are 900 and 30 respectively and one of the numbers is 180, then determine the other number.

Ans: 150

25. If $(m^2 - 4m - 1) = 0$, then determine the value of $(m + m^{-1})$.

Ans: -2 $\sqrt{3}$

26. Determine the remainder when the polynomial $(6x^3 + 11x^2 - 10x + 30)$ is divided by $(2x + 1)$.
Ans: 37

27. The difference between a two-digit number and number obtained by interchanging its digits is 36. Determine the difference between the sum and the difference of the digits of the number if the ratio between the digits of the number is 3 : 1.
Ans: 4

28. A book was printed with the numbering of its pages starting with 1. If a total of 5325 digits were used to number all the pages of the book, then how many pages does the book have?
Ans: 1608

29. Determine the remainder when 97^{3476} is divided by 7.
Ans: 1

30. Determine the sum of all the factors of 3800.
Ans:9300

31. If value of tan θ = 3/4, then calculate the value of Cos θ.

(Given: θ lies in the III quadrant)
Ans: -4/5

32. If the difference between the length and breadth of a rectangle is 15 m and its area is 450 m², then calculate the perimeter of the rectangle.
Ans: 90 m

33. Calculate the value of [Sin 105° + Cos 105°].
Ans: 1/ $\sqrt{2}$

34. A right-angled triangle with sides 14 cm, 48 cm and 50 cm is rotated along its base (14 cm) with the 48 cm side as its axis to form a cone. Determine the approximate volume of the cone so formed. (rounded off to nearest integer)
Ans: 9852 cm³

35. The circle $x^2 + y^2 - 20x = 0$ has y = x as a chord passing through it. Find the equation of the circle with this chord as its diameter.
Ans: $x^2 + y^2 - 10x - 10y = 0$

36. An equilateral triangle is inscribed in the parabola **y² = 8x** such that one vertex of the triangle is at the vertex of the parabola. Find the length of the side of the triangle.
Ans: 16 $\sqrt{3}$ units

37. Determine the approximate area of the sector which subtends an angle of 47° and radius of the circle of which it is a part is 7 cm.

   (Take π = 22/7)
   Ans: 20 cm²

38. Determine the probability of drawing a <u>Jack of Spade or a Ace of Diamond</u> from a deck of 52 cards.
   Ans: 1/26

39. If 25% of the people in an office like only hot coffee and 40% like only cold coffee, then how many like both hot coffee and cold coffee?

   (It is known that everyone in the office likes either cold coffee or hot coffee or both)
   Ans: 35%

40. Determine the probability of obtaining a head in the first toss and a tail in the second and third toss of the coin
   Ans: 1/8

41. Two people Rayaan and Shakil are invited to attend a party. The probability of Rayaan and Shakil going to the party is 0.25 and 0.5 respectively. If the probability of both of them going together is 0.15, then what is the probability that neither of them go to the party?
   Ans: 0.40

42. A bag contains 20 mangoes and 30 oranges out of which 50% of both mangoes and oranges are sour. Two fruits are taken out of the bag at random. What is the probability that either both are oranges or both are sour?
   Ans: 0.51

43. Given below is the net property of five MLAs during the period in which they were elected(In lakhs). Study the following data and answer the questions that follow.

NAME	Mr. A	Mr. B	Mrs. C	Miss D	Mr. E	Miss E
2010 - 11	140	50	90	150	175	80
2011 - 12	180	70	70	200	210	170
2012 - 13	240	80	120	300	255	520
2013 - 14	520	80	180	360	280	620
2014 - 15	650	90	240	420	390	720

What is the percentage increase in the net property of Mr. B since 2012-13 to 2014-15?

Ans:12.5%

44. What is the approximate average of the total property(in lakhs) that has been maintained by **Miss E** between 2012-13 to 2014-15?
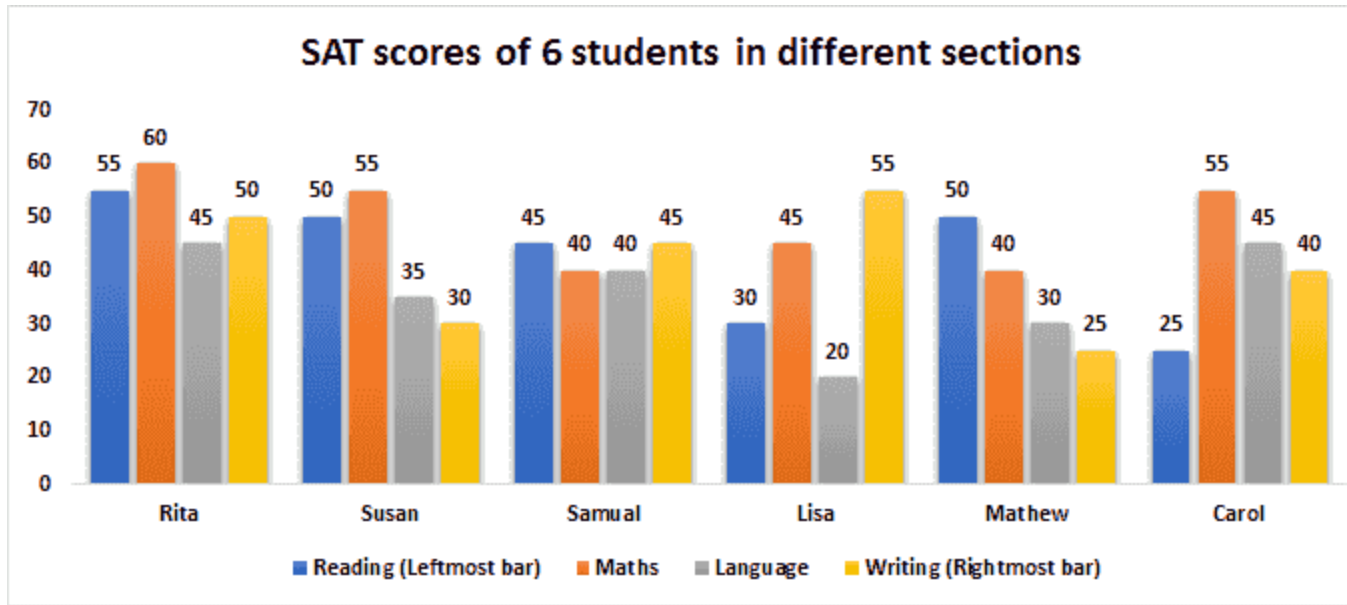Ans: 620

45. What is the average of the total assets maintained by all the MLAs in the year 2011-12?
Ans: 150

46. In the year 2014-15, which MLA's net property's percentage increase was the highest compared to the previous year?
Ans: Mr. E

47. Study the following data and answer the questions that follow

SAT scores of 6 students in different sections

Maximum marks in each subject = 70
What is the average percentage difference in marks scored by Rita, Lisa and Mathew
in Maths section as compared to the Language section of the test?

Ans: 63.89%

48. Who among the following has <u>least average marks</u> in all the sections of the test?
    Ans: Mathew

49. What is the least percentage difference in marks scored by Rita, Susan, and Carol in
    any of the sections of the test?
    Ans: 9.09%

50. What is the approximate difference between the highest marks and average marks
    scored by the students in Writing section?
    Ans: 14

LOGICAL REASONING

1.Consider the set of alphabets given below:

{S, A, B, Y, E, U, Z, T, R, E, M, G}

How many of the following words cannot be formed using the set of alphabets given above only once?

1. MASTER

2. BUTTER

3. MUGS

4. RESTORE

5. GUEST

ans: 2

2.In which of the following sentences, vowels occur the least number of times?

ans:Travelling is my hobby and my passion.

3.Study the following information and answer questions that follow.

Eight girls A, B, C, D, E, F, G, and H are sitting around a circular table facing the center as per the following

arrangements.

- Two girls are sitting between B and D.

- A is friends with G and B, and thus sits between both of them.

- G sits third to the right of F.

- H, F, and C do not sit opposite to B.

- F likes to sit between E and C.

Who among the following sits between H and F?

ans:c

4.Who among the following sits to the immediate right of C?

ans:F

5.Who among the following sits second to the left of B?

ans:G

6.Who among the following sits opposite to H?

ans:D

7.Study the following information and answer the questions that follow.

Seven people P, Q, R, S, T, U, and V go fishing on one of the days starting from Monday. It is known that only one

person goes fishing each day.

- P goes fishing on Thursday.

- Only two people go fishing between P and S as well as between P and V.

- U goes fishing before P.

- There is a two days' gap between fishing days of Q and R.

- T, Q, and U go fishing before R.

- V goes fishing on Sunday.

Who among the following goes fishing on the day next to R?

Ans: v

8. Who among the following goes for fishing on Friday?

Ans:T

9. Who among the following goes for fishing on Wednesday?

Ans: Q

10. Who among the following goes fishing on the day next to P?

Ans:T

11. Study the following information and answer the questions that follow.

P, Q, R, S, T, U, and V - seven friends from different hometowns Delhi, Chandigarh, Chennai, Jaipur, Kolkata, Patna and Mumbai not necessarily in the same order. They have consecutive birthdates starting from 8th to 14th that too not in the same order. Following details are known about them:

- R is from Kolkata and his birthday is on 13th.
- The one from Chennai has his birthday on 14th.
- V's birthday is next to that of P's who is from Delhi and has his birthday just after T's.
- S is from Chandigarh and has her birthday on 8th.
- Q is neither from Chennai nor from Jaipur and V is from Patna.

Who is from Mumbai?

ANS: Q

12. On which date does P celebrate his birthday?

Ans: 10 or 11

13. Study the information given below and answer the questions that follow:

8family members A, B, C, D, E, F, G, and H are sitting around a square shaped dining table; two on each side. Following details are known about them:

- There are two couples in the family. Husband and wife sit beside each other.
- B and G are siblings and do not like to sit next to each other so sit at the maximum distance.
- E who is the father of C likes to sit next to his only daughter.
- The two ladies of the family sit opposite each other.
- G sits near his father A and next to his cousin D.

Who is the wife of E?

Ans: Cannot be determined

14. Who is the daughter of A?

Ans: Cannot be determined.

15. How is C related to B?

Ans: Cousin brother

16. Below is given a question followed by two statements numbered I and II. The question may or may not be answered with the help of these statements. You have to decide if these statements are sufficient to answer the question.

Question: Whose property is the largest among Joe, Vincent, and Claire?

Statements:
I. Claire's property is more than Joe's.
II. Joe's property is less than Vincent's.

Ans: Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

17. Below is given a question followed by two statements numbered I and II. The question may or may not be answered with the help of these statements. You have to decide if these statements are sufficient to answer the question.

Question: What is the age of Kaira?

Statements:
I. Kaira is 5 years older than Shina.
II. Shina is 2 years younger than Rita.

Ans: Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

18. Below are given statements followed by two conclusions. Take the given statements to be true, even if they contradict commonly known facts and determine the conclusions that logically follows from the statements.

Statements:
I. All lilies are in lavenders.
II. All roses are in sunflowers.

Conclusions:
I. All lavenders are in lilies.
II. Some roses are in lilies

Ans: Neither conclusion I nor conclusion II follows

19. Below is given a question followed by two statements numbered I and II. The question may or may not be answered with the help of these statements. You have to decide if these

statements are sufficient to answer the question.

Question: Is P < Q?

Statements:
I. |P|= 2
II. |Q| = 5

Ans: Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

20. Below are given statements followed by two conclusions. Take the given statements to be true, even if they contradict commonly known facts and determine the conclusions that logically follows from the statements.

Statements:
I. All BMWs are Audi.
II. Some Audi are Mercedes.
III. No Mercedes is a Jaguar.

Conclusions:
I. All Jaguars are BMW.
II. Some Mercedes are BMW.

Ans: Neither conclusion I nor conclusion II follows

21. Below are given statements followed by two conclusions. Take the given statements to be true, even if they contradict commonly known facts and determine the conclusions that logically follows from the statements.

Statements:
I. Some Sams are Charles.
II. Some Charles are Jacks.
III. All Jacks are Jones.

Conclusions:
I. Some Jones are Charles.
II. Some Sams are Jacks.

Ans: Only conclusion I follows

22. Below are given statements followed by two conclusions. Take the given statements to be true, even if they contradict commonly known facts, and determine the conclusion/s that logically follow/s from the statements.

Statements:
I. Some paintings in the art gallery are made by Michael.
II. Many paintings in the art gallery are oil paintings.

Conclusions:
I. Michael is someone who makes paintings.
II. Michael painted some oil paintings.

Ans: Only conclusion I follows

23. Below are given statements followed by two conclusions. Take the given statements to be true, even if they contradict commonly known facts, and determine the conclusion/s that logically follow/s from the statements.

Statements:
I. All rivers are ponds.
II. Some ponds are seas.
III. Some seas are lakes.

Conclusions:
I. Some rivers are lakes.
II. All rivers are seas.

Ans: Neither conclusion I nor conclusion II follows

24. Below are given statements followed by two conclusions. house the given statements to be true, even if they contradict commonly known facts, and determine the conclusion/s that logically follow/s from the statements.

Statements:
I. Some frogs are snakes.
II. Some flies are snakes.
III. All snakes are bugs.

Conclusions:
I. Some frogs are bugs.
II. Some bugs are flies.

Ans: Both conclusion I and conclusion II follow

25. Below are given statements followed by two conclusions. Take the given statements to be true, even if they contradict commonly known facts and determine the conclusions that logically follows from the statements.

Statements:
I. No feeling is sad.
II. All sad are small.
III. Some processes are happy.

Conclusions:
I. All feelings are happy.
II. Some happy are process.

Ans: Only conclusion II follows

26. In the following question, the symbols &&, !!, **, ?? and ## are used with the following meanings illustrated.

"P ** Q" means "P is neither smaller than nor greater than Q".
"P && Q" means "P is neither smaller than nor equal to Q".
"P !! Q" means "P is neither greater than nor equal to Q".
"P ## Q" means "P is not greater than Q".
"P ?? Q" means "P is not smaller than Q".

Now assuming the given statements to be true, find which of the given conclusions given below them is/are definitely true and give your answer accordingly.

Statements:
I. S ?? T
II. T ** U
III. S ## V

Conclusions:
I. U !! V
II. T && S

Ans: Neither conclusion I nor conclusion II follows

27. In the following question(s), symbols !!, @ , #, ^v^ and (.) are used with different meanings as follows:

"A (.) B" means "A is not smaller than B".
"A ^v^ B" means "A is neither smaller than nor equal to B".
"A @ B" means "A is neither smaller than nor greater than B".
"A !! B" means "A is not greater than B".
"A # B" means "A is neither greater than nor equal to B".

Now assuming in the following question the given statements to be true, find which of the given conclusions given below them is/are definitely true and give your answer accordingly.

Statements:
I. E @ C
II. D # E
III. F !! C

Conclusions:
I. C (.) D
II. F ^v^ E

Ans: Neither conclusion I nor conclusion II follows

28. In the following question, the Problem Figure is given with dot(s) placed in it. Out of the four Response Figure (a), (b), (c), (d), choose the one in which the placement of the dot(s) is NOT possible so as to satisfy the same conditions as in the Problem Figureand mark the answer accordingly.

Problem Figure:

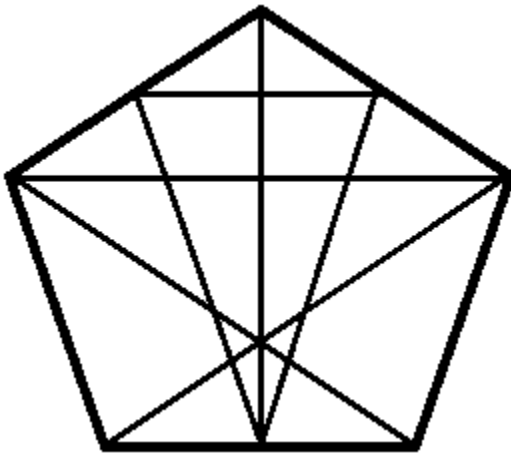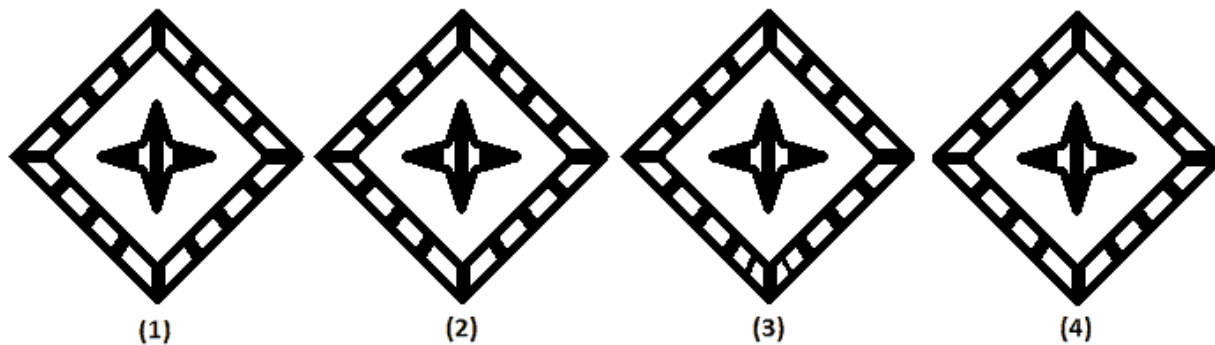Response Figure:

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

Ans: (d)

29. Determine the minimum number of straight lines required to create the following figure.

Ans:12

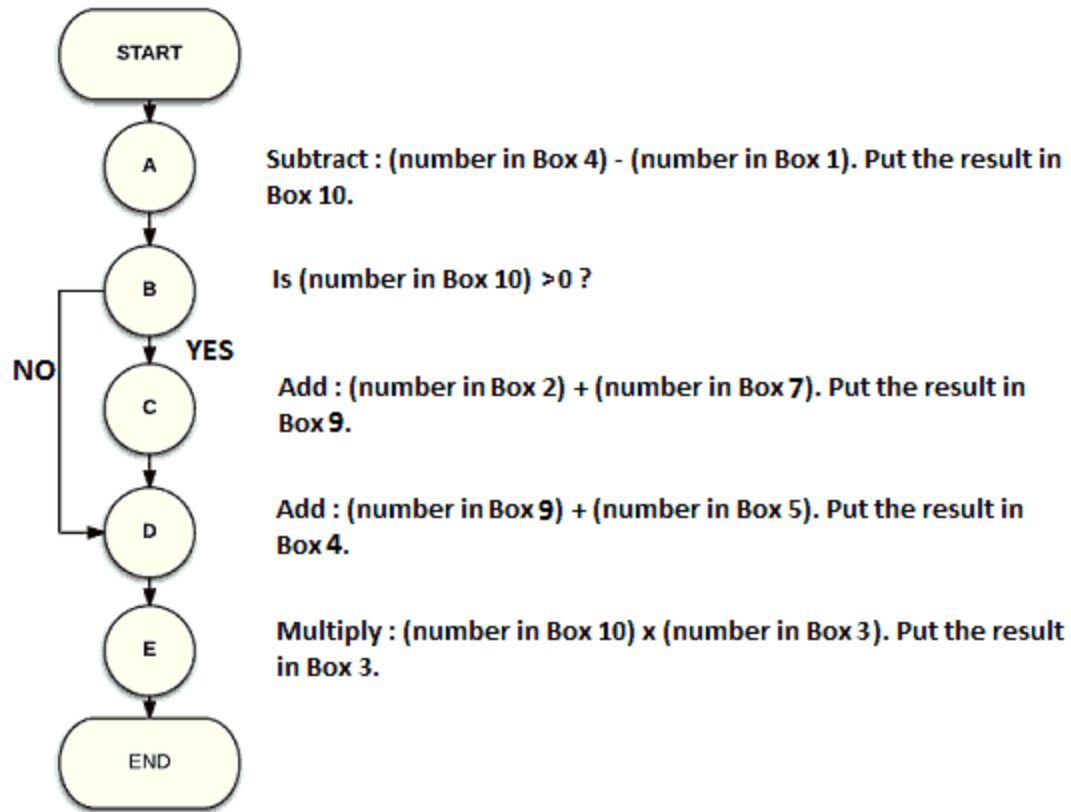30. Which one of the following images is most unlike the other three?

ans: (3)

31. From the Response Figure identify the one which will complete the sequence given in Problem Figure.

Problem Figure:

HOPES	IPPFT	STARS	TUAST	SWEAR	?

Response Figure:

TXFBS	TXBES	TXEBS	TYBFS
(1)	(2)	(3)	(4)

Ans:(3)

32. Follow the instructions depicted in the diagram given below and answer the questions that follow.

Box No.

1	2	3	4	5	6	7	8	9	10
8	5	6	4	1	2	9	3	7	2

START

A — Subtract : (number in Box 4) - (number in Box 1). Put the result in Box 10.

B — Is (number in Box 10) >0 ?

NO

YES

C — Add : (number in Box 2) + (number in Box 7). Put the result in Box 9.

D — Add : (number in Box 9) + (number in Box 5). Put the result in Box 4.

E — Multiply : (number in Box 10) x (number in Box 3). Put the result in Box 3.

END

At the end of the flowchart, what will be the number stored in <u>Box 4</u>?
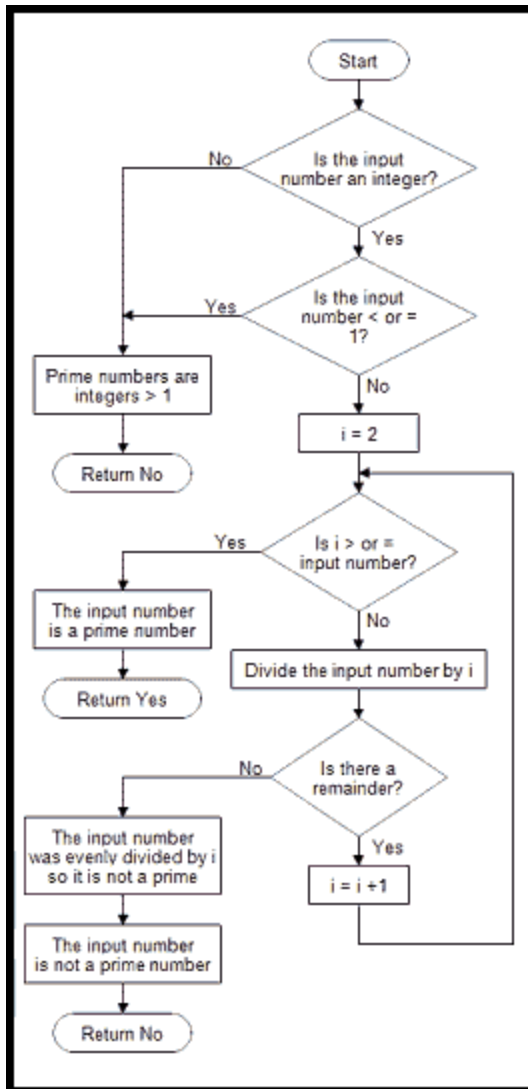
Ans: 8

33. At the end of the flowchart, what will be the number stored in <u>Box 3</u>?

Ans:-24

34. At the end of the flowchart, the number in all of the following boxes will change; <u>except</u>:

Ans: Box 2

35. Use the given flowchart to answer the questions that follow:

Which of the following elements of the input is/are checked by the operations in the given flowchart?

1. If the number is less than or equal to 1?
2. If the input number is a whole number?
3. If the input number is an integer?

Choose the correct answer from the options given below.
Ans: 1 and 3 only

36. The flowchart checks whether a number is evenly divisible by i = 2, 3, 4, 5, ... so, to be a prime number, any number has to be evenly divided by _____ number(s).

Ans: None of the mentioned options

37. If the input number is 7, then how many times the loop is executed?

Ans: 5

38. Pick the odd one out from the given options.

Ans: Coal

39. For the following questions, choose the answer that best completes the comparison.

Hat : Head :: Shoe : ?

Ans: Foot

40. Pick the odd one out from the given options.

Ans: 147

41. For the following questions, choose the answer that best completes the comparison.

Mythological : Real :: Augment : ?

Ans: Decrease

42. For the following questions, choose the answer that best completes the comparison.

Frivolous : Facetious :: Agnostic : ?

Ans: Undevout

43. Pick the odd one out from the given options.

Ans: Tethered

44. Find the missing term(s) in the following series.

3, 5, 9, ?, 23, 33, 45

Ans: 15

45. If A means addition, B means subtraction, C means multiplication and D means division, then what would be the value of the following expression?

(4 C 3 B 24 D 6 A 10 D 5)

Ans:10

46. If apples are called paintings, tube lights are called bangles, birds are called schools, ice-creams are called tube lights, schools are called apples, paintings are called ice-creams and bangles are called birds, which of the following give us light?
Ans: Bangles

47. If in a certain code language "MODEMS" is coded as "24" and "DEVIL" is coded as "20", then how would "TRAVELLER" be coded?

Ans: 36

48.Find the missing term(s) in the following series.

B, F, K, ?, X, F

Ans: Q

49.If in a certain code language "DANCE" is coded as "UWNYV", then how would "PROVE" be coded?
Ans: UDOHJ

50. Find the missing term(s) in the following series.

8, 25, ?, 143, 268
Ans: 66

ENGLISH USAGE

1. Fill in the blanks with the most suitable alternative.

   Mr. John has informed that our office will have ___ cafeteria soon.
   Ans: a

2. Fill in the blanks with the most suitable tense form of the word given in the bracket.

   A hazard notice at the end of the trail ___ (warn) hikers not to go any further.
   Ans: warns

3. Fill in the blanks with the most suitable alternative as a response to the situation given below.

   A: Why are you not coming to the party?

   Answer: I can not come to ___ party as I have ___ seminar scheduled at ___ same time.
   Ans: the,a,the

4. Choose the alternative which best expresses the given sentence in Active/Passive voice.

   One should keep one's promises.
   Ans: Promises should be kept.

5. Fill in the blank with the most suitable alternative.

   If the supervisor ___ received Stuart's assignment ___ time, he would not have scolded him.
   Ans: had, in

6. Fill in the blanks with the most suitable alternative.

   ___ accordance ___ the rules and regulations of the organization, the Director is the supreme authority of the company.
   Ans: In, with

7. Fill in the blanks with the most suitable alternative.

1. _____ there is life, there is hope.

2. It was quarter past twelve ___ I returned from office.
Ans: 1 - while, 2 – when

8. Fill in the blanks with the most suitable alternative.

   She said that her child _____ from typhoid for three days.
   Ans: had been suffering

9. Fill in the blanks with the most suitable alternative.

   Rehaan _____ anything about the transfer letter he received.
   Ans: didn't know

10. Choose the correct meaning of the <u>underlined</u> idiom in the sentence.

    He dropped his child to school on his way to work, <u>killing two birds with one stone.</u>
    Ans: achieve two things in one effort

11. Choose the correct meaning of the <u>underlined</u> idiom in the sentence.

    India was in a <u>pretty pass</u> over the question of signing the CTBT.
    Ans: in a difficulty

12. Given below are sentences which when arranged logically form a coherent passage. Choose the alternative which gives the correct sequence.

    1. The past month her unweaned daughter had suffered from coughing and fever.
    2. Today was pay-day again.
    3. Partly because of the cold, partly because of the little girl's crying she was kept awake the whole night.
    4. Several times she'd come to work late and she was fined.
    5. The weather had been exceptionally cold.
    Ans: 21534

13. Given below are sentences which when arranged logically form a coherent passage. Choose the alternative which gives the correct sequence.

    1. Getting people motivated is a tough task because it is dependent on personality;

2. The factors that can motivate an individual may be different from the ones that motivate another.
3. You can't persuade people without knowing the art of motivation.
4. Persuasion has a significant relationship with motivation.
Ans: 4312

14. Given below are sentences which when arranged logically form a coherent passage. Choose the alternative which gives the correct sequence.

1. And the power to control your feelings and emotions in these situations will make or break you.
2. Self-control is also extremely important in our social lives. Using self-control is part of our everyday interactions with others.
3. Not only is self-control important in achieving personal goals and underlies any successful person,
4. More often than not, we are put in situations that cause stress or friction within us that may be caused by other people,
Ans:3241

15. Choose the correct meaning of the underlined idiom in the sentence.

I heard on the grapevine that Mr. Mehra is quitting his job, but I don't know anything else.
Ans: to hear rumors about something

16. Read the passage given below and answer the questions that follow.

The 'ransomware' cyber attack that has hit as many as 200,000 victims in over 150 countries should be treated by governments around the world as a "wake-up call", IT giant Microsoft has said. The virus exploits a flaw in a version of Microsoft Windows first identified by US intelligence. The attacks exploited the computers because they were running outdated versions of Microsoft's Windows operating system.

The National Security Agency(NSA) alerted Microsoft about the issue three months ago and Microsoft released an upgrade that patched the flaw, but many users were yet to run it, CNN reported. Brad Smith, Microsoft's president and chief legal officer, said on Sunday in a blog post that his company, its customers, and the government all share the blame, the report said.
What is the meaning of the phrase "wake up call" as used in the passage?

Ans: Something that serves as an alert for upcoming danger

17. What is the meaning of the word "patched" as used in the passage?
Ans: Repair

18. Read the passage given below and answer the questions that follow:

I recently sent a message to my boss to let him know that I would be a bit late. The bus hadn't arrived despite a 30-minute wait in the freezing cold. To illustrate, I added an emoji of a snowflake and a snowman from my iPhone and sent them to his Android phone. Thankfully, those emoji didn't get lost in translation, but I panicked for a second wondering whether they'd appeared as a love heart or a poop on his phone.

The reason I panicked is that just a few weeks ago I had spent far too much of my time creating a story made completely from emoji, which I sent to a group of friends via Facebook Messenger. Not one of those friends replied to say how awesome my story was (and it really was awesome) and I soon discovered why: on their Android smartphones it made absolutely no sense whatsoever because the emoji were all different! I was devastated.
The primary concern of the author in the given passage is:
Ans: miscommunication

19. According to the first paragraph, the author was first ___ and then ___ after sending the message to his boss.
Ans: relaxed; tensed

20. Why were the efforts of the author (in creating an emoji-based story) NOT appreciated?
Ans: Differences in emoji designs across phone types

21. The additional remark and it really was awesome is made to:
Ans: emphasis on the good quality of the story

22. Why did the author feel devastated by the end of the second paragraph?
Ans: Because the author's work was wasted

23. Read the passage given below and answer the questions that follow.

Spring was the season of green mountain and meadows, blushing snow and an

expanse of yellow mustard flowers in the fields around our village. On Radio Kashmir, they played songs in Kashmiri celebrating the flowers in the meadows and the nightingales on willow branches. My favorite song ended with the refrain: 'And the night angle sings to the flowers: Our land is a garden!'. When we had to harvest a crop, our neighbors and friends would send someone for help; when it was their turn, we would reciprocate. You never needed to make a formal request weeks in advance, somebody always turned up.

During the farming season, Akhoon, the mullah, who refused to believe that Neil Armstrong had landed on the moon, complained about the thinning attendance at our neighborhood mosque. I struggled to control my laughter when the villagers, anxious to get back to farming, coughed during the prayers to make him finish faster. He compromised by reading shorter chapters from the holy book and then turning up at the fields to collect a seasonal donation -- his fees for leading prayers at the mosque.

In summer, after the mustard was reaped, we planted rice seedlings. On weekdays, before we left for school, my brother and I took samovars of kahwa, the sweet brew of saffron, almonds, and cinnamon, to the laborers working in our fields. On weekends, I would help grandfather and other men carry sacks of seedlings from the nurseries; my mother, aunts, and other neighboring women bent in rows in the well-watered fields, planted and sang.

If the passage was a part of a book; which of the following would be the literary genre of the book?
   1. Fiction
   2. Religion and beliefs
   3. Politics
   4. Memoir
   5. Non-fiction

Choose appropriate alternative(s) based on the theme of the passage.
Ans: 4 and 5 only

24. The conditions of the laborers working in the village is:
    Ans: contended

25. The phrase "who refused to believe that Neil Armstrong had landed on the moon", in the second paragraph is used to provide additional information about the character Akhoon. However, it can be removed without changing the meaning of the sentence.

Such phrases are often used in descriptive writing and are known as:
Ans: Modifier

26. Find out which part of the sentence below has an error and mark the alternative accordingly. If there are no mistakes, choose answer as "No mistakes".

    The construction workers / are protesting for there rights / in front of CM's house.
    Ans: are protesting for there rights

27. Find out which part of the sentence below has an error and mark the alternative accordingly. If there are no mistakes, choose answer as "No mistakes".

    Colors like red and yellow is / not suitable to wear to / offices or business meetings.
    Ans: Colors like red and yellow is

28. Fill in the blank with the correct pronoun.

    _____ completed this assignment and qualified for the next round.
    Ans:she

29. Fill in the blank with the correct auxiliary verb.

    It is you who _____ mistaken.
    Ans:are

30. Find out which part of the sentence below has an error and mark the alternative accordingly. If there are no mistakes, choose answer as "No mistakes".

    Kindly pass me the / red dress, black one / does not fit me.
    Ans: red dress, black one

31. Find out which part of the sentence below has an error and mark the alternative accordingly.

    The boy who used to play / at my home everyday has / now grown up to become / the CEO of an UK based company.
    Ans: the CEO of an UK based company

32. Find out which part of the sentence below has an error and mark the alternative accordingly. If there are no mistakes, choose answer as "No mistakes".

    We need a light in / this room if we are to / complete our work here.
    Ans: We need a light in

33. Find out which part of the sentence below has an error and mark the alternative accordingly. If there are no mistakes, choose answer as "No mistakes".

    After this wonderful / success of our team, let us / all go out for a dinner tonight.
    Ans: all go out for a dinner tonight

34. Fill in the blank with the correct pronoun.

    _____ are going to shopping today.
    Ans: She and I

35. From the given alternatives, choose the one which best expresses the given sentence in indirect speech.

    He said to his colleague, "Could you please wait for me?"
    Ans: He asked his colleague if he could wait for a him.

36. Choose the best alternative from those given below to replace the underlined portion of the sentence.

    Shekhar asked me, "Why are you late?"
    Ans: Shekhar asked me why I had been late.

37. Choose the alternative which best expresses the given sentence in Passive voice.

    The engineers are building a new bridge.
    Ans: A new bridge is being built by the engineers.

38. Fill in the blank with the correct set of pronouns in the same order.
    Ans: You, Mary and I

39. Choose the best alternative from those given below to replace the underlined portion of the sentence.

    Everyone at the office expressed doubt that she was the one spreading the rumors.

Ans: whether she was the one spreading the rumors.

40. Choose the alternative which is <u>closest to the meaning</u> of the word given below.

    BLISS
    Ans: Happiness

41. Choose the alternative which is <u>closest to the opposite in meaning</u> of the word given below.

    ABOLISH
    Ans: Start

42. From the given alternatives, choose the word that is <u>spelt correctly</u>.
    Ans: MORBID

43. Choose the alternative which is <u>closest to the meaning</u> of the word given below.

    ABHOR
    Ans: Hate

44. Choose the alternative which is <u>closest to the meaning</u> of the word given below.

    DILEMMA
    Ans: Confusion

45. Choose the alternative which is <u>closest to the opposite in meaning</u> of the word given below.

    DIVERGENT
    Ans: Similar

46. Choose the alternative which is <u>closest to the opposite in meaning</u> of the word given below.

    SHREWD
    Ans: Dumb

47. From the following sentences, choose the sentence that contains a misspelled word. If there are no mistakes, choose answer as "No mistakes".

Ans: The army was unable to penitrate the terrorist camps.

48. Choose the correct spelling for the missing word in the following sentence.

    The boy took a _____ pleasure in disturbing all his teachers.
    Ans: malicious

49. Choose the alternative which is <u>closest to the meaning</u> of the underlined word or phrase.

    RESTITUTION
    Ans: Compensation for loss

50. Choose the alternative which is <u>closest to the opposite meaning</u> of the underlined word or phrase.

    MOROSE
    Ans: Cheerful

51.

EAT 1 TEST PAPER

1. Replace the underlined portion with the phrase that best completes the sentence and mark the answer accordingly.
   <u>Would you please guide me to</u> this address?
   Ans: Would you please guide me to

2. Choose the sentence that is **NOT** correctly written or that is unclear and mark the answer accordingly.
   Ans: She and he can do this work in 8 days

3. From the given alternatives, choose the one which best expresses the given sentence in Direct/Indirect speech.
   He said to Rocky, "You better start running or else I am going to throw you out of the team!"
   Ans: e scolded Rocky and told him to start running or else he was going to throw him out of the team.

4. Fill in the blank with the most suitable option.
   It took him years and years of practicing and experimenting to reach an/a _____ position in the organization.
   Ans: exalted

5. Fill in the blank(s) with the most suitable option.
   The Rann of Kutch is _____ largest area _____ salt deposits in India.
   Ans: the, of

6. Fill in the blank with the most suitable option.
   There has been ____ enormous increase in ____ population of rats in the last decade. The reason for this proliferation is ____ yet to be known.
   Ans: an, the, no article required

7. Fill in the blank(s) with the most suitable option.
   Roger started ___ seven ___ the evening.
   Ans: at, in

8. Choose the word <u>closest to the meaning</u> of the word given below.
   ORDINARY
   Ans: Usual

9. Choose the word <u>closest to the meaning</u> of the word given below.
   MUNDANE
   Ans: Monotonous

10. Fill in the blank with the most suitable preposition.
    Did you send that letter _____ your mother?

Ans: to

11. Fill in the blank with the most suitable option.
The ____ old man in his torn clothes was begging for shelter.
Ans: necessitous

12. Fill in the blank with the most suitable option.
I said nothing and took a moment to ___ myself.
Ans: fortify

13. Choose the correct meaning of the underlined idiom in the sentence.
The new Lamborghini supercar model costs an arm and a leg.
Ans: is extremely expensive

14. Given below are sentences which when arranged logically form a coherent passage. Choose the option which gives the correct sequence.
Ans: TQSRP

15. Choose the word closest to the meaning of the word **"TROUGH"** as used in the last paragraph of the passage.
Ans: Trench

16. Which one among the given places has a chance of witnessing some pre monsoon rain?
Ans: Eastern Vidarbh

17. The passage is most likely from a:
Ans: a weather report

18. As per the information in the passage, Iceland's history has witnessed ____ in the forms of governments.
Ans: changes

19. If the Althing system is compared to the governance in the Indian context, then which position among the following will be equivalent to the Law speaker in the Althing?
Ans: Speaker of the house

20. A covenant is most probably:
Ans: an agreement

21. The ratio of two numbers is 4 : 5 and the difference of the cubes of the numbers is 1647. Find the sum of the numbers.
Ans: 27

22. If $\log(N)^3$ - log 2N = 3 log 3 - log 6, then find the value of **"N"**.

Ans: 3

23. Which operator would replace the **"?"** to satisfy the given equation?
0.5 + 0.6 x 12 **?** 2 - 1.25 = 2.85
Ans: ÷

24. If the age of a wife is reversed, the figures represent her husband's age. The husband is older than her and the difference between their ages is one-eleventh of their sum. Find the age of the wife and the husband (in years).
Ans: 45, 54

25. The curved surface area of a right circular cone is 600 cm² and its slant height is 30 cm. Calculate its capacity.
(Note: Use π = 22/7]
Ans: 1244 cm³

26. Calculate the area of a triangle with sides 15 cm, 36 cm, and 39 cm.
Ans: 270 sq.cm

27. The difference between a three digit number and the number formed by reversing its first two digits is 450. The value of the digit not getting reversed is 1. If sum of the digits of the number is 8, determine the number.
Ans: 611

28. The sum of the LCM and HCF of two numbers is 1884 and their difference is 1860. If the difference between the numbers is 12, then determine the sum of the numbers.
Ans: 300

29. How many numbers between 500 to 900 (both inclusive) are divisible by either 7, or 9?
Ans: 95

30. The prices of a sedan car and a hatchback variant are in the ratio of 8 : 7. If the sedan car costs Rs. 40,000 more than a hatchback. A man decided to purchase both the models, what will be the total expense?
Ans: Rs. 6,00,000

31. The final assembly of a car is done using four components, whose costs are in the ratio of 1 : 3 : 4 : 5. If the cost of manufacturing these components increase by 10%, 20%, 20% and 10% respectively, then what is the hike in the price of the product?
Ans: 0.153

32. If a coin is tossed thrice, what is the probability that tails turns out at least twice, consider the fact that the coin is biased (i.e., loaded) so that the probability that a head turns out in a flip is 0.6?
Ans: 0.352

33. John has 8 gold coins in his one pocket (say A) and 5 silver and 3 gold coins in the other pocket (say B). He randomly chooses a pocket and picks a coin from it. If the coin he chose is gold, then what is the probability that he chose pocket A?
Ans: 8/11

34. A pipe X can empty the tank in 12 minutes alone and in 8 minutes along with pipe Y. What is the time required by the pipe Y alone to empty the tank completely?
Ans: 24 minutes

35. If 10 men can paint a wall 40 m long and 6 m high in 24 days, then how many men are required to paint another wall, which is 15 m long and 12 m high, in 15 days?
Ans: 12

36. Sam is twice as efficient plumber as Joe and together they finish a fitting work in 8 days. In how many days can it be done by Sam alone?
Ans: 12 days

37. If 7800 people prefer taxi for conveyance, then how many people (at least) are surely using two wheelers as their conveyance mean?
Ans; 13000

38. If the cost of petrol is Rs. 40/litre in the town, and cars/taxis use approximately 20 litres of petrol per day, then how much money is spent on petrol in a week among cars and taxis?
Ans: Cannot be determined

39. Find the value of f(1).
Ans: -8

40. Find the value of f(2) + h(3).
Ans: -136

41. If in a code language, "SERVICE" is coded as "1011010", then how would "XEROX" be coded in the same language?
Ans: 10101

42. Find the missing term(s) of the series given below.
7, 28, 63, 112, **?**, 252
Ans: 175

43. Below is given a question followed by two statements numbered I and II. The question may or may not be answered with the help of these statements. You have

to decide if these statements are sufficient to answer the question.
Question: Determine the age of Roger.
Statements:
I. Robby is 3 years older to Sam and was Roger's batch mate at school.
II. Sam is 24 years old.
Ans: Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

44. Below is given a question followed by two statements numbered I and II. The question may or may not be answered with the help of these statements. You have to decide if these statements are sufficient to answer the question.
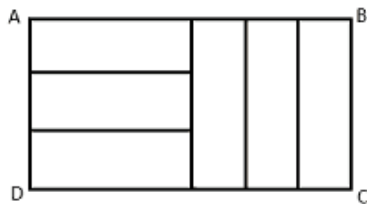**Question:** What is the average of **"x"**, **"y**, and **"z"**?
Statements:
I. 3x + 2y - z = 10
II. 5x + 3y - 3z = 6
Ans: Both statements I and II together are sufficient to answer the question asked but neither statement alone is sufficient.

45. Below is given a question followed by two statements numbered I and II. The question may or may not be answered with the help of these statements. You have to decide if these statements are sufficient to answer the question.
Question: What is the ratio of BC and AB in the given rectangle?

Statements:
I. The perimeter of the rectangle is 40 cm.
II. All smaller rectangles have similar dimensions.
Ans: Only one of the statements, alone, is sufficient to answer the question but other statement is not.

46. Below is given a question followed by two statements numbered I and II. The question may or may not be answered with the help of these statements. You have to decide if these statements are sufficient to answer the question.
Question: In which year was Shikhar born?
Statements:
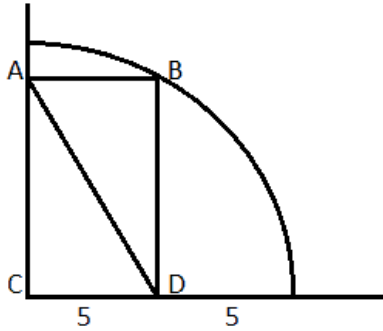I. Shikhar's nephew was born in 1993 when Shikhar was 24 years old.
II. Shikhar's birthday and his nephew's birthday are exactly six months apart.
Ans: Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed

47. Pick the odd one out.
    Ans: Petrologist

48. Below are given statements followed by two conclusions. Take the given statements to be true, even if they contradict commonly known facts and determine the conclusions that logically follows from the statements.

Statements:
I. ABCD is a rectangle.
II. The arc between the two axes is the quadrant of a circle.
Conclusions:
I. Length of diagonal AD is 10 units.
II. Length BD is 5 √ 2 units.
Ans: Both conclusion I and conclusion II follow

49. Below are given statements followed by two conclusions. Take the given statements to be true, even if they contradict commonly known facts and determine the conclusions that logically follows from the statements.
    Statements:
    I. Some Meteors are Planets.
    II. Some Debris are Meteors.
    III. Some Planets are Stars.
    Conclusions:
    I. Some Stars are Meteors.
    II. Some Planets are Debris
    Ans: Neither conclusion I nor conclusion II follows

50. In the following question, symbols **!!**, **<>**, **><** , * and **()** are used with different meanings as follows:
    "P **!!** Q" means "P is not greater than Q".
    "P **<>** Q" means "P is either smaller than or equal to Q".

"P ^^ Q" means "P is either smaller than or greater than Q".
"P >< Q" means "P is not smaller than Q"
"P () Q" means "P is either greater than or equal to Q".
In the following question assuming the given statements to be true, find out which of the given conclusions given below them is/are definitely true and mark your answer accordingly.
Statements:
I. B !! V
II. V <> M
III. J () M
Conclusions:
I. J () B
II. J () V
  Ans: Both conclusion I and conclusion II follow.

51. Below is/are given statement/s followed by two conclusions numbered I and II. You have to take the given statement/s to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statement/s, disregarding commonly known facts.
Statements:
I. All Nitrogen are elements.
II. Some elements are made of atoms.
III. All things made of atoms are made of protons.
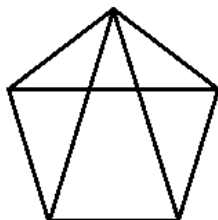IV. Some things made of protons are compounds.
Conclusions:
I. Some compounds are elements.
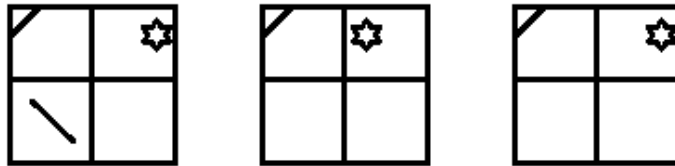II. Some things made of protons are elements.
Ans: Only conclusion II follows.

52. If the image given below has to be drawn in one stroke of a pen (without lifting), a minimum of how many lines have to be retraced?
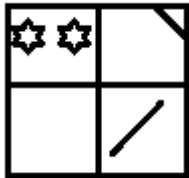

Ans: 1

53. If the three transparent sheets are placed on each other after flipping horizontally, how would the resulting pile look like when viewed from top?

Ans:

54. What will be printed on the receipt if the purchase price of any item is exactly same as its selling price?
Ans: Profit = SP

55. If a shopkeeper buys an article for Rs. 81 and sells it for Rs. 100, then what will be printed at the end of the flowchart?
Ans: Profit Rs. 119

56. If a shopkeeper buys an article for Rs. 180, and sells it for Rs. 120, then what will be printed at the end of the flowchart?
Ans: Loss Rs. 420

57. Where does **"U"** sit?
Ans: Extreme left

58. Who among the following definitely sits on one of the extremes?
Ans: Cannot be determined

59. Who likes Powerpuff girls?
Ans: F

60. Who is the eldest child?
Ans: Cannot be determined

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EAT 2

1. Replace the underlined portion with the phrase that best completes the sentence and mark the answer accordingly.
   It was either Kendra or Zoe who <u>brought their</u> volleyball to the picnic.
   Ans: brought her

2. Replace the underlined portion with the phrase that best completes the sentence and mark the answer accordingly.
   <u>The friendship between Andre and Robert began when he and his</u> family moved to Ohio.
   Ans: The friendship between Andre and Robert began when Robert and his

3. From the given alternatives, choose the one which best expresses the given sentence in Direct/Indirect speech.
   He said to me, "Could you please speak louder, I am not able to hear your voice".
   Ans: He requested me to speak louder as he was not able to hear my voice.

4. From the options given below choose the <u>correct preposition</u> that will follow the word given in the question.
   AFFLICTION
   Ans: of

5. Fill in the blank(s) with the most suitable option.
   There have been numerous instances of the bloodshed in ____ area but no one dares to speak ___ word against the atrocities.
   Ans: the, a

6. Fill in the blank(s) with the most suitable option.
   Fire in ____ house was so intense that even ____ extinguishers were not able to control it.
   Ans: the, the

7. Fill in the blank(s) with the most suitable option.
   The swimming pool ___ at 9 o'clock and ___ at 18.30 every day.
   Ans: opens , closes

8. Choose the word that is <u>most nearly opposite</u> in meaning to the word in capital letters.
   ENJOY
   Ans: Dislike

9. Choose the option which is <u>closest to the opposite of the meaning</u> of the word given below.
   PRUDENT
   Ans: Hasty

10. Fill in the blank(s) with the most suitable option.
    He is so _____ that he cannot stand slightest comment against him.
    Ans: fidgety

11. Fill in the blank(s) with the most suitable option.
    I did scrupulous work on the project, fighting each obstacle with _____.
    Ans: fortitude

12. Fill in the blank(s) with the most suitable option.
    Intensely _____ at this humiliation, the king fell sick, and henceforth his health failed rapidly.
    Ans: shattered

13. Choose the correct meaning of the <u>underlined</u> idiom in the sentence.
    He knew that he could not compete with a professional for that matter so he asked to <u>level the playing field</u>.
    Ans: a fair competition

14. Given below is a sentence broken into four parts. The beginning / end / both are given, arrange the parts in between in the correct logical manner.
    1. Work is one thing
    P. and without it
    Q. that is necessary
    R. to keep the world going
    S. we should all die.
    Ans: QRPS

15. What is the author's views on using the mobile phones during the matches?
    Ans: Analytical

16. What is the meaning of 'obliterated' as used in the passage?
    Ans: Annihilated

17. Which among the following is <u>most definitely</u> suggested by the passage?
    Ans: The number of sportsperson checking their cellphones at regular intervals is constantly increasing

18. Which among the following can <u>not</u> be definitely concluded from the passage?
    Ans: paceX has the interests of the US governments in mind and can be trusted in confidential matters

19. Which among the following can be <u>definitely concluded</u> from the tone of the author?
Ans: The author is apprehensive about the ULA's monopoly in the defense contracts

20. The passage is most probably from a:
Ans: Opinion Article

21. The ratio of two numbers is 4 : 5 and the difference of the cubes of the numbers is 488. Find difference between the numbers.
Ans: 2

22. Simply the following :
$(\log(64)^{1/3} + \log(125)^{1/3} - \log(64)^{1/2} - \log(25)^{1/2} + \log(32)^{1/5}$
Ans: 0

23. Twelve years ago, Ricky's father's age was seven times of the (then) age of Ricky. If the current age of the father is 2.5 times that of Ricky's present age. What is Ricky's present age?
Ans: 16 years

24. Find the relation between x and y from the below given equations.
$x^2 + 4x - 32 = 0$
$2y^2 + 5y - 64 = 0$
Ans: Can't be determined

25. The curved surface area of a cylinder of height 28 cm is 1056 cm^2. Find the volume of the cone.
Ans: 3168 cm^3

26. A rectangular parking space is marked out by painting three of its sides. If the length of the unpainted side is 6 feet, and the sum of the lengths of the painted sides is 36 feet, find out the area of the parking space in square feet?
Ans: 90 sq. ft.

27. The difference between a three digit number and the number formed by reversing its digits is 198. If the sum of the digits of a number is 8, find the number.
Ans: 503

28. The sum of the LCM and HCF of two numbers is 2196 and their difference is 2172. If the difference between the numbers is 12, find the sum of the numbers.
Ans: 324

29. Find the numbers between 500 to 900(both inclusive) that are divisible by both 7 and 9.
Ans: 7

30. The ratio of salaries of A and B is 5 : 6. The ratio of savings of A and B is 3 : 2. If A saves 15% of his salary, what percent of his savings does "B" save?
Ans: 8.33%

31. A drink consists of 30% of alcohol and rest is water. 10 litres of the drink is mixed with 5 litres of another drink that has 60% of alcohol. Determine the percentage of alcohol in the mixture.
Ans: 40%

32. The probability of the occurrence of a number greater than 3 in a throw of a dice is:
Ans: ½

33. A group of 20 students with different weights are divided into two groups of 10 each. What is the probability that heaviest and lightest persons are in different groups?
Ans: 10/19

34. Two pipes X and Y can fill a cistern in 24 minutes and 36 minutes respectively. If both the pipes are opened together, then after how much time the tank gets filled completely?
Ans: 14.4 minutes

35. A and B can do a piece of work in 12 days, B and C in 15 days, C and A in 20 days. How long would B take to do the same work?
Ans: 20 days

36. 7 women can complete a work in 11 days. 11 women can complete it in:
Ans: 7 days

37. What is the average cost(per kg) of 5 kg of Tomato, 3 kg of Spinach and 2 kg of Onion in the month of June?
Ans: Rs. 39.60

38. In which of the following months, Tomato has least change increase in its price?
Ans: April

39. Find the value of f(2).
Ans: -8

40. Find the value of f(1) + g(2)
Ans: -34

41. In a code language, the word "SYSTEM" is written as "HWOICI" then, how would the word "URGENT" be coded in the same language?

Ans: WNHGJU

42. If in a certain language, 'BUOYANT' is coded as 'XGMCYNH' and 'CHARISMA' is coded as 'WRYJQIMY'. How would 'WAXED' be coded in the same language?
Ans: EYDUV

43. Below is given a question followed by two statements numbered I and II. The question may or may not be answered with the help of these statements. You have to decide if these statements are sufficient to answer the question.
Question: Determine the weight of A.
Statements:
I. 3 years ago, the weight of A was 50 kg.
II. The weight of A increases and decreases alternatively by 10% every year.
Ans: Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

44. Below is given a question followed by two statements numbered I and II. The question may or may not be answered with the help of these statements. You have to decide if these statements are sufficient to answer the question.
Question: How is Rahul related to Arijit?
Statements:
I. Rahul is the CEO of the company in which Arijit's friend, Ram is working.
II. Ram got the job in a company in which his friend's brother works as CEO.
Ans: Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

45. Below is given a question followed by two statements numbered I and II. The question may or may not be answered with the help of these statements. You have to decide if these statements are sufficient to answer the question.
Question: Is Rajesh the fastest one in the class of 40 boys and 20 girls?
Statements:
I. Rajesh is the fastest boy in the class.
II. No girl in the class is faster than Rajesh.
Ans: Both statements I and II together are sufficient to answer the question asked but neither statement alone is sufficient.

46. Below is given a question followed by two statements numbered I and II. The question may or may not be answered with the help of these statements. You have to decide if these statements are sufficient to answer the question.
Question: How many oranges are in the basket?
Statements:
I. There are 50 fruits are in the basket.
II. Number of oranges in the basket are twice to that of apples.

Ans: Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

47. Pick the odd one out.
Ans: Anthropologist

48. Below are given statements followed by two conclusions. Take the given statements to be true, even if they contradict commonly known facts and determine the conclusions that logically follows from the statements.
Statements:
I. All Giants are Cyclops.
II. All Cyclops have one eye.
III. No Dwarfs have one eye.
Conclusions:
I. Some Dwarfs are Giants.
II. Some Giants are Cyclopes.
Ans: Only conclusion II follows

49. Below are given statements followed by two conclusions. Take the given statements to be true, even if they contradict commonly known facts and determine the conclusions that logically follows from the statements.
Statements:
I. All Asteroids are Planets.
II. Some debris are Asteroids.
III. All Planets are Stars.
Conclusions:
I. Some Stars are Asteroids.
II. Some Planets are Debris.
Ans: Both conclusion I and conclusion II follow

50. In the following question(s), symbols **!!, * , #, ^v^** and **(.)** are used with different meanings as follows:

"A **(.)** B" means "A is not smaller than B".
"A **^v^** B" means "A is neither smaller than nor equal to B".
"A ***** B" means "A is neither smaller than nor greater than B".
"A **!!** B" means "A is not greater than B".
"A **#** B" means "A is neither greater than nor equal to B".

Now assuming in the following question the given statements to be true, find which of the given conclusions given below them is/are definitely true and give your answer accordingly.
Statements:
I. A **#** B
II. B **!!** D

III. C **^v^** D
Conclusions:
I. A * D
II. C **^v^** B
Ans: Only conclusion II follows

51. In the following question(s), symbols **!!, * , #, ^v^** and **(.)** are used with different meanings as follows:

"A **(.)** B" means "A is not smaller than B".
"A **^v^** B" means "A is neither smaller than nor equal to B".
"A * B" means "A is neither smaller than nor greater than B".
"A **!!** B" means "A is not greater than B".
"A # B" means "A is neither greater than nor equal to B".

Now assuming in the following question the given statements to be true, find which of the given conclusions given below them is/are definitely true and give your answer accordingly.

Statements:
I. A **(.)** B
II. B **^v^** D
III. C # D
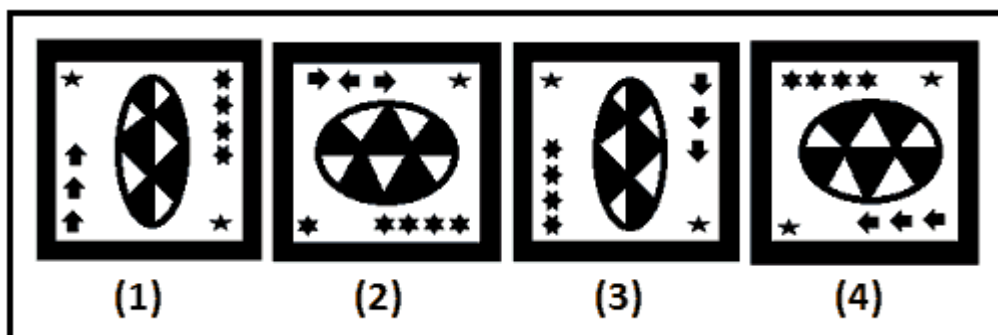
Conclusions:
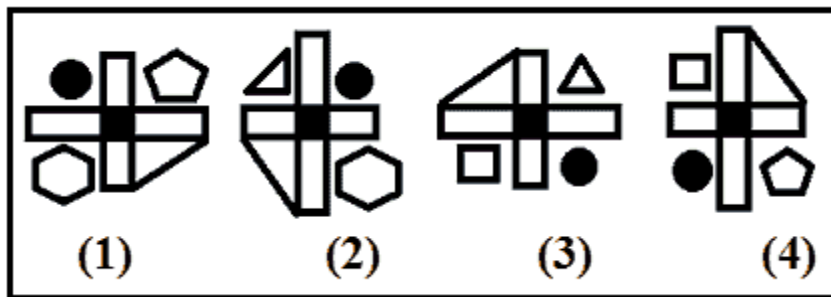I. A * D
II. C **^v^** A
Ans: Neither conclusion I nor conclusion II follows

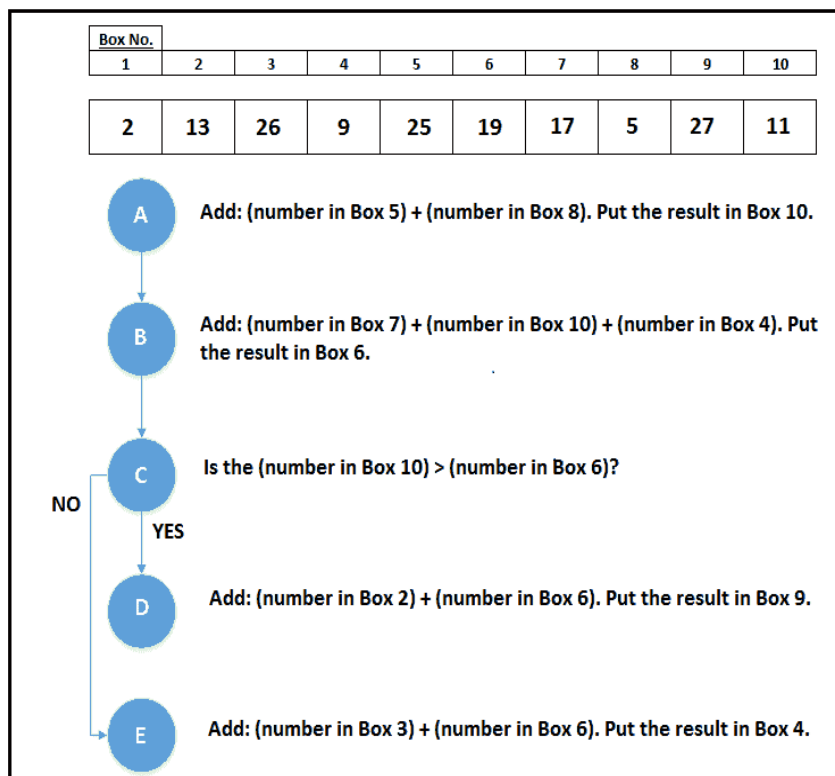52. Which of the following figures is most <u>unlike</u> the other three?

(1)   (2)   (3)   (4)

Ans: 2

53. Which of the following figures is most <u>unlike</u> the other three?

(1)　　　　　　(2)　　　　　　(3)　　　　　　(4)

Ans: 2

Study the flowchart given below and answer the questions that follow:

Box No.									
1	2	3	4	5	6	7	8	9	10
2	13	26	9	25	19	17	5	27	11

A — Add: (number in Box 5) + (number in Box 8). Put the result in Box 10.

B — Add: (number in Box 7) + (number in Box 10) + (number in Box 4). Put the result in Box 6.

C — Is the (number in Box 10) > (number in Box 6)?

NO

YES

D — Add: (number in Box 2) + (number in Box 6). Put the result in Box 9.

E — Add: (number in Box 3) + (number in Box 6). Put the result in Box 4.

54. At the end of the flow chart, what is the number stored in the <u>Box 9</u>?
    Ans: 27

55. At the end of the flow chart, what is the value of number stored in the box whose number is stored in <u>Box 8</u>?
    Ans: 25

56. At the end of the flowchart, determine the value of the following expression.

(Number in Box 1) x (Number in Box 4) - (Number in Box 6) - (Number in Box 10)
Ans: 78

57. Study the following information and answer the question that follows.

Eight people A, B, C, D, P, Q, R, S are sitting in a row facing North as follow.

1. Number of people sitting between A and S is equal to the number of people sitting between S and Q.
2. There are five people sitting between Q and A. P sits immediate left of R.
3. R and C are the immediate neighbours of Q. B sits immediate right of D

How many people are sitting between D and Q?
Ans: 4

58. Who sits to the immediate right of S?
Ans: P

59. Study the information given below and answer the questions that follow.

Eight people Alan, Bran, Crick, Dillon, Elgar, Fred, Groover and Hashim are sitting around a circular table facing the center, with equal distance between each other as follows.

1. Only three people are sitting between Dillon and Crick. Fred is to the immediate left of Bran.
2. Alan is to the immediate right of Dillon. Elgar is sitting second to the right of Hashim.
3. Fred and Alan are not immediate neighbors of each other. Only two people are sitting between Hashim and Dillon.

Who among the following sits facing Bran?
Ans: Hashim

60. Who sits to the immediate right of Alan?
Ans: Groover