

- Q6. Richard is fifteenth from the front in a column of boys. There were thrice as many behind him as there were in front. How many boys are there between Richard and the seventh boy from the end of the column?
 (a) 33 (b) 34 (c) 35 (d) Data inadequate
- Q7. Sangeeta remembers that her father's birthday was certainly after eighth but before thirteenth of December. Her sister Natasha remembers that their father's birthday was definitely after ninth but before fourteenth of December. On which date of December was their father's birthday?
 (a) 10th (b) 11th (c) 12th (d) Data inadequate
- Q8. The priest told the devotee, "The temple bell is rung at regular intervals of 45 minutes. The last bell was rung five minutes ago. The next bell is due to be rung at 7.45 a.m." At what time did the priest give this information to the devotee?
 (a) 7.40 a.m. (b) 7.05 a.m. (c) 7.00 a.m. (d) 6.55 a.m.
- Q9. If \$ means +, # means -, @ means \times and * means \div , then what is the value of $16 \$ 4 @ 5 \# 72 * 8$?
 (a) 25 (b) 27 (c) 29 (d) 36
- Q10. If \times means +, + means \div , - means \times and \div means -, then $8 \times 7 - 8 + 40 + 2 = ?$
 (a) 1 (b) $7\frac{2}{5}$ (c) $8\frac{3}{5}$ (d) 44
- Q11. If P denotes \div , Q denotes \times , R denotes + and S denotes -, then what is the value of $18 Q 12 P 4 R 5 S 6$?
 (a) 53 (b) 59 (c) 63 (d) 65
- Q12. Rohit is seventeenth from the left end of a row of 29 boys and Karan is seventeenth from the right end in the same row. How many boys are there between them in the row?
 (a) 3 (b) 5 (c) 6 (d) Data inadequate
- Q13. In a class, among the passed students, Amisha is twenty-second from the top and Sajal, who is 5 ranks below Amisha, is thirty-fourth from the bottom. All the students from the class have appeared for the exam. If the ratio of the students who passed in the exam to those who failed is 4: 1 in that class, how many students are there in the class?
 (a) 60 (b) 75 (c) 90 (d) Data inadequate
- Q14. Ashish leaves his house at 20 minutes to seven in the morning, reaches Kunal's house in 25 minutes, they finish their breakfast in another 15 minutes and leave for their office which takes another 35 minutes. At what time do they leave Kunal's house to reach their office?
 (a) 7.40 a.m. (b) 7.20 a.m. (c) 7.45 a.m. (d) 8.15 a.m.
- Q15. There are twenty people working in an office. The first group of five works between 8.00 A.M. and 2.00 P.M. The second group of ten works between 10.00 A.M. and 4.00 P.M. And the third group of five works between 12 noon and 6.00 P.M. There are three computers in the office which all the employees frequently use. During which of the following hours the computers are likely to be used most?
 (a) 10.00 A.M. - 12 noon (b) 12 noon - 2.00 P.M. (c) 1.00 P.M. - 3.00 P.M. (d) 2.00 P.M. - 4.00 P.M.
- Q16. If + means \div , \div means -, - means \times , \times means +, then $12 + 6 \div 3 - 2 \times 8 = ?$
 (a) -2 (b) 2 (c) 4 (d) 8
- Q17. If '+' means 'divided by', '-' means 'add', 'x' means minus' and '/' means 'multiplied by', what will be the value of the following expression? $\{[(17 \times 12) - (4/2)] + (23 - 6)\} / 0$
 (a) infinite (b) 0 (c) 118 (d) 219
- Q18. If 'when' means 'x', 'you' means " ", 'come' means and 'will' means , then what will be the value of " 8 when 12 will 16 you 2 come 10"?
 (a) 45 (b) 94 (c) 96 (d) 112

Q19. Find the missing term.

6	9	15
8	12	20
4	6	?

- (a) 5 (b) 10 (c) 15 (d) 21

Q20. Find the missing term.

3	2	2
6	20	4
12	25	64
6	10	?

- (a) 6 (b) 8 (c) 10 (d) 12

Q21. Find the missing term.

7B	5C	6B
3C	9B	19A
15A	17A	?

- (a) 10C (b) 12C (c) 14B (d) 16C

Q22. Find the missing term.

13	54	?
7	45	32
27	144	68

- (a) 42 (b) 36 (c) 6 (d) 4

Q23. Find the missing term.

7	4	5
8	7	6
3	9	?
29	19	31

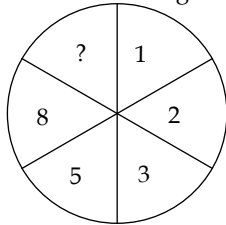
- (a) 3 (b) 4 (c) 5 (d) 6

Q24. Find the missing term.

Z4	X3	V9
A6	C2	?
T5	R4	P15

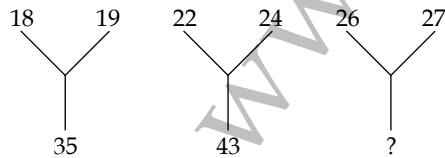
- (a) E10 (b) E12 (c) S10 (d) S12

Q25. Find the missing character in the following figure.



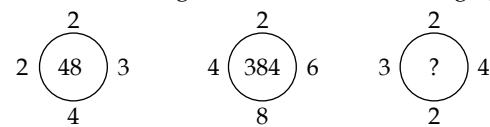
- (a) 10 (b) 12 (c) 13 (d) 15

Q26. Find the missing character in the following figure.



- (a) 49 (b) 76 (c) 89 (d) 94

Q27. Find the missing character in the following figure.



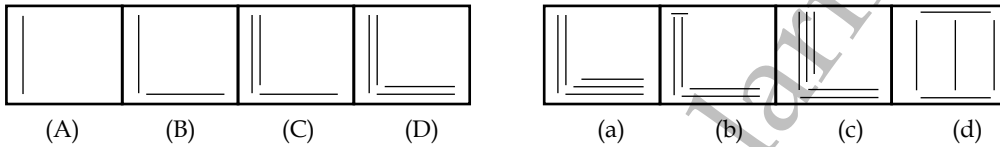
- (a) 42 (b) 44 (c) 46 (d) 48

Direction Consider the given statements to be true and decide which of the given conclusion/assumptions can definitely be drawn from the given statement

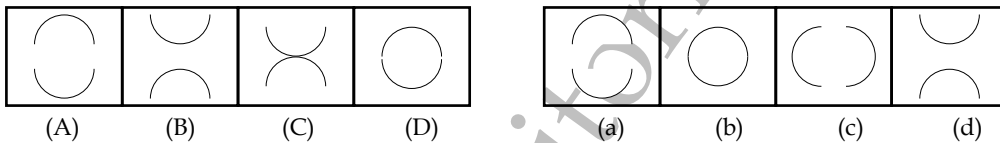
- Q28. Statements: All film stars are playback singers. All film directors are film stars.
 Conclusions: I. All film directors are playback singers.
 II. Some film stars are film directors
- (a) if only conclusion I follows; (b) if only conclusion II follows;
 (c) if neither conclusion I nor II follows; (d) if both conclusions I and II follow.
- Q29. Statements: All pens are chalks. All chairs are chalks.
 Conclusions : I. Some pens are chairs.
 II. Some chalks are pens.
- (a) if only conclusion I follows; (b) if only conclusion II follows;
 (c) if neither conclusion I nor II follows; (d) if both conclusions I and II follow.
- Q30. Statement: All jungles are tigers. Some tigers are horses.
 Conclusions: I. Some horses are jungles.
 II. No horse is jungle.
- (a) if only conclusion I follows; (b) if only conclusion II follows;
 (c) if neither conclusion I nor II follows; (d) if both conclusions I and II follow.

Direction Each of the problems, contains four figures marked as (A), (B), (C), (D) and answer figures marked as (a), (b), (c) and (d). Select a figure from amongst the answer figures which will continue in the same series as given in the problem figure.

Q31. Find out the next figure



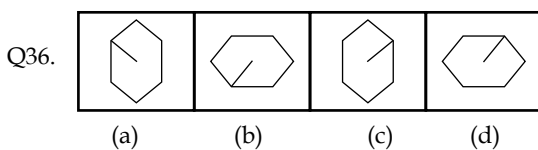
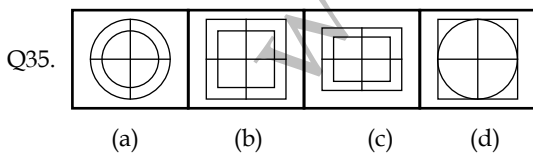
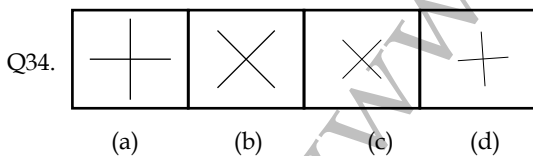
Q32. Find out the next figure



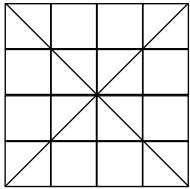
Q33. Find out the next figure



Direction Each of the following problems, contains 4 figures marked (a), (b), (c), (d). Find the odd figure.

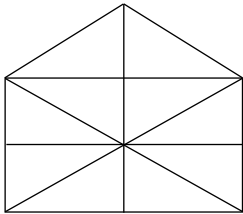


Q37. How many triangles are there puzzles .



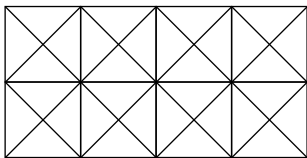
- (a) 36 (b) 40 (c) 44 (d) 48

Q38. How many triangles are there puzzles .



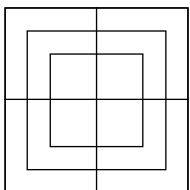
- (a) 10 (b) 19 (c) 21 (d) 23

Q39. How many maximum squares are in the following figure?



- (a) 11 (b) 21 (c) 24 (d) 26.

Q40. How many maximum squares are in the following figure?



- (a) 8 (b) 12 (c) 15 (d) 18

PART-II : GENERAL KNOWLEDGE

- Q41. Albedo effect would be relatively higher in
 (a) early morning and late evening (b) early morning only
 (c) noon (d) late evening only
- Q42. The audit reports of the Comptroller and Auditor General of India relating to the accounts of the Union shall be submitted to
 (a) the President (b) the Speaker of the Lok Sabha
 (c) the Prime Minister (d) the Vice President
- Q43. The right to form associations and unions is a right
 (a) guaranteed to everybody (b) to freedom guaranteed to citizens only
 (c) to equality before law (d) to life and personal liberty
- Q44. Which one of the following writs is issued by the Supreme Court to secure the freedom of a person upon unlawful arrest?
 (a) Habeas Corpus (b) Mandamus (c) Certiorari (d) Quo Warranto
- Q45. The Right to Education was added to the fundamental Rights in the Constitution of India through the
 (a) Constitution (86th Amendment) Act, 2002 (b) Constitution (93th Amendment) Act, 2005
 (c) Constitution (87th Amendment) Act, 2003 (d) Constitution (97th Amendment) Act, 2011
- Q46. The category of Overseas citizens of India was entered in the citizenship Act of India through an amendment in the year:
 (a) 1986 (b) 1992 (c) 1996 (d) 2003

- Q47. After the general elections, the Protem Speaker is
 (a) elected by the Lok Sabha (b) appointed by the President of India
 (c) appointed by the Chief Justice of the Supreme Court (d) the senior most member of the Lok Sabha
- Q48. The power to decide the date of an election to a State Legislative Assembly rests with the
 (a) President of India (b) Chief Minister and his/her Cabinet
 (c) Election Commission of India (d) Parliament
- Q49. What is meant by 'Public Good'??
 (a) A commodity produced by the Government
 (b) A commodity whose benefits are indivisibly spread among the entire community
 (c) A Government scheme that benefits the poor households
 (d) Any commodity that is very popular among general public
- Q50. What is meant by price discrimination?
 (a) Increase in price of a commodity over time
 (b) A situation where the same product is sold to different consumers for different prices
 (c) Subsidization of a product by the Government to sell at a lower price
 (d) General decrease in price of a commodity over time
- Q51. Which one of the following represents a progressive tax structure?
 (a) Tax rate is the same across all incomes (b) Tax rate increases as income increases
 (c) Tax rate decreases as income increases (d) Each household pays equal amount of tax
- Q52. Which one of the following is India's first indigenously designed and developed long-range subsonic cruise missile which can be deployed from multiple platforms?
 (a) Astra (c) Nirbhay (b) Akash (d) Shankhnaad
- Q53. What is India's first Indigenous Aircraft Carrier (IAC) called?
 (a) Vikrant (b) Virat (c) Vaibhav (d) Varaha
- Q54. Which country has recently signed pact with India for purchase of BrahMos Missile?
 (a) US (b) Philippines (c) Iran (d) Iraq
- Q55. When was Olympic Anthem performed for the first time?
 (a) 1904 (b) 1916 (c) 1896 (d) 1899
- Q56. What defines the structure and authority of the Olympic Movement?
 (a) International Olympic Committee (b) President of IOC
 (c) Olympic Charter (d) Executive members of IOC
- Q57. After whose name is the domestic cricket championship Ranji Trophy named?
 (a) Maharaja Ranjit Singh (b) Maharaja Bhupinder Singh
 (c) Maharaja Jam Saheb (d) None
- Q58. Which country will host the 2028 Summer Olympic Games?
 (a) United States of America (b) Japan (c) France (d) Brazil
- Q59. The Rohingya are the minorities of
 (a) Nepal (b) Bangla Desh (c) Myanmar (d) Bhutan
- Q60. The rank of Major General in Indian Army is equivalent to
 (a) Air Marshal in Indian Air Force (b) Rear Admiral in Indian Navy
 (c) Air Commodore in Indian Air force (d) Commodore in Indian Navy
- Q61. NATO has launched joint military exercise named DEFENDER-Europe 2021 in which country?
 (a) USA (b) Albania (c) Croatia (d) North Macedonia
- Q62. Which space agency has recently launched a new batch of 60 Starlink internet satellites into orbit?
 (a) NASA (b) JAXA (c) SpaceX (d) Blue Origin
- Q63. Carnivac-Cov, is the world's first Covid vaccine for animals, is developed in which country?
 (a) China (b) Russia (c) UAE (d) USA
- Q64. Desert Knight-21', which was making news recently, is the Military exercise between India and which country?
 (a) Brazil (b) France (c) Japan (d) United Kingdom
- Q65. Who has been appointed as the CEO of Unique Identification Authority of India (UIDAI).?
 (a) Rajeev Kumar (b) Rajeev Sinha (c) Sanjay Agarwal (d) Saurabh Garg
- Q66. When Lord Mountbatten became the first Governor-General of India, who among the following became the Governor General for Pakistan?
 (a) Lord Mountbatten (b) Muhammad Ali Jinnah (c) Liaquat Ali Khan (d) Shaukat Ali

- Q67. 'Dyarchy' was first introduced in India under
 (a) Morley-Minto reforms (b) Montford reforms (c) Simon Commission plan (d) Government of India Act, 1935
- Q68. Who drafted the Constitution of Muslim League, 'The Green Book'?
 (a) Rahamat Ali (b) Muhammad Iqbal (c) Muhammad Ali Jinnah (d) Maulana Muhammad Ali Jauhar
- Q69. 'Global Dimming' means
 (a) gradual increase of the temperature of ionosphere
 (b) gradual loss of biodiversity hot spots
 (c) gradual reduction in the amount of global direct irradiance at the Earth surface
 (d) gradual increase in the melting of ice in polar regions
- Q70. Nearly 30% of the solar radiations return back to the space without contributing anything to the Earth's surface temperature. This amount of radiation is known as
 (a) black body (b) tropopause (c) earth's albedo (d) mesopause

PART-III : ENGLISH

In each of the following sentences find out which part of the sentence has an error.

- Q71. She will not be (a)/ happy unless her friends (B)/ do not help her (c)/ in the examination. (d)/ No error (e)/
- Q72. None of the two (a)/ sisters loves the (b)/ other due to (c)/ some misunderstandings. (d)/ No error (e)/
- Q73. He will not (a)/ heave a sigh of relief (b)/ unless he will qualify (c)/ in the written test. (d)/ No error (e)/

Choose the best expression amongst multiple choices for a given idiom/proverb.

- Q74. There is no gainsaying the fact that the country is in difficulties.
 (a) ignoring (b) hiding (c) forgetting (d) denying
- Q75. Children complain about their parents' gifts. They should learn not to look a gift horse in the mouth.
 (a) not to find goodness in the gifts (b) not to look at a horse's mouth
 (c) not to find fault with the gifts received (d) not to ask for more gifts
- Q76. Acquiring a job is a cakewalk for a student who has good academic performance coupled with good attitude.
 (a) an easy achievement (b) walk away with a cake
 (c) a difficult achievement (d) a walkway made with cakes
- Q77. Let sleeping dogs lie.
 (a) Do not make friends with enemies (b) Do not bring up an old controversial issue
 (c) Dogs can raise tempers (d) Do not allow dogs to stand

In each of the following question out of the four alternatives, choose the one which can be substitute for the given word/ sentence.

- Q78. A style in which a writer makes a display of his knowledge
 (a) Pedantic (b) Verbose (c) Pompous (d) Ornate
- Q79. State in which the few govern the many
 (a) Monarchy (b) Oligarchy (c) Plutocracy (d) Autocracy
- Q80. A person who insists on something
 (a) Disciplinarian (b) Stickler (c) Instantaneous (d) Boaster

In these questions, the first and last sentences of the passage are numbered 1 and 6. The rest of passage is split into four parts and named P, Q, R and S. These four parts are not given in their proper order. Read the sentence and find out which of the four combinations is correct.

- Q81. S1: Smoke oozed up between the planks.
 P : Passengers were told to be ready to quit the ship.
 Q : The rising gale fanned the smouldering fire.
 R : Everyone now knew there was fire on board.
 S : Flames broke out here and there.
 S6: Most people bore the shock bravely.
 The Proper sequence should be:
 (a) SRQP (b) QPSR (c) RSPQ (d) QSRP
- Q82. S1: You know my wife, Madhavi, always urged me to give up smoking.
 P : I really gave it up.
 Q : And so When I went to jail I said to myself I really must give it up, if for no other reason than of being self-reliant.

R : When I emerged from jail, I wanted to tell her of my great triumph.

S : But when I met her, there she was with a packet of cigarettes.

S6: poor girl!!

The Proper sequence should be:

- (a) PSRQ (b) SPQR (c) QPRS (d) RSPQ

Q83. S1: When a satellite is launched, the rocket begins by going slowly upwards through the air.

P : However, the higher it goes, the less air it meets.

Q : As the rocket goes higher, it travels faster.

R : For the atmosphere becomes thinner.

S : As a result there is less friction.

S6: Consequently, the rocket still does not become too hot.

The Proper sequence should be:

- (a) QPRS (b) QSPR (c) PQRS (d) PQSR

Q84. S1: A father having offered to take the baby out in a perambulator, was tempted by the sunny morning to slip into a pub for a glass of beer.

P : Indignant at her husband's behaviour, she decided to teach him a lesson.

Q : She wheeled away the pram.

R : A little later, his wife came by, where to her horror, she discovered her sleeping baby.

S : Leaving the pram outside, he disappeared inside the bar.

S6: She waited for him, anticipating the white face and quivering lips which would soon appear with the news that the baby had been stolen.

The Proper sequence should be:

- (a) SRPQ (b) RQPS (c) SPQR (d) PQSR

For Underlined part of the sentence chooses part of the sentence from given choices, to correct or improve it.

Q85. He could not look anything in the dark room.

- (a) look at (b) see (c) see through (d) No improvement

Q86. The greatest thing in style is to have a use of metaphor.

- (a) knowledge (b) command (c) need (d) No improvement

Q87. While crossing the highway a five year old child was knocked out by a passing car.

- (a) away (b) up (c) down (d) No improvement

Q88. Hoping not to be disturbed, I sat down in my easy chair to read the book. I won as a prize.

- (a) I had won as a prize (b) I have won as prize (c) I had to win as a prize (d) No improvement

Q89. More than one person was killed in accident.

- (a) were killed (b) are killed (c) have been killed (d) No improvement

In each or the following questions, a sentence has been given in Active (or Passive) voice. Out of the four alternatives suggested, select the one which best express the same sentence in Passive (or Active) voice.

Q90. What one must do, one must do properly.

- (a) What must be done, must be done properly. (b) It must be done properly what one must do.
(c) It must be done hat one must do properly. (d) One must do properly what has to be done.

Q91. What one must do, one must do properly.

- (a) What must be done, must be done properly. (b) It must be done properly what one must do.
(c) It must be done what one must do properly. (d) One must do properly what has to be done.

Q92. He was congratulated by his teacher on his brilliant success in the recent examination.

- (a) His teacher congratulated him on his brilliant success in the recent examination.
(b) His teacher congratulated him for his success in the examination.
(c) His teacher congratulated him on his success.
(d) His teacher congratulated him.

Rearrange the following part of the sentence in form of a meaningful sentence.

Q93. Hardly had my brother descended from the plane when the people (P)/ waved and cheered (Q)/ who had come to receive him (R)/ from the lounge (S)/

- (a) P R Q S (b) P Q R S (c) S P Q R (d) P R S Q

Q94. My friend when he was going to his office (P)/ met with an accident (Q)/ on his scooter (R)/ due to rash driving (S)/

- (a) P Q R S (b) P R Q S (c) S R Q P (d) Q S R P

Q95. The boy said I am not going to the school (P)/ with my friends in the class room (Q)/ where my teacher scolds me (R)/ when I want to play (S)/

- (a) P Q R S (b) P S Q R (c) S Q P R (d) P R S Q

Fill up the blanks with the most appropriate word from the option given below.

- Q96. Real friends, genuinely wanting the best for the organisation, _____ different garbs.
(a) come in (b) clad in (c) dressed in (d) clothed in
- Q97. What are you _____ in the kitchen cupboard?
(a) looking in (b) looking on (c) looking to (d) looking for
- Q98. The prisoner showed no _____ for his crimes.
(a) hatred (b) obstinacy (c) remorse (d) anger

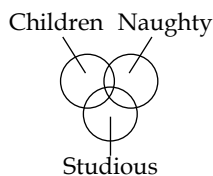
In each of the following sentences find out which part of the sentence has an error.

- Q99. If I had been thirsty (a)/ I would have drank the lemonade (b)/ without waiting for you. (c)/ No error (d)/
- Q100. We have already seen the movie (a)/ so we refused and (b)/ went to the stadium instead. (c)/ No error (d)/

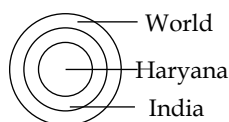
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PART-I : REASONING
ANSWER PRACTICE TEST PAPER - 4

1. (c)
Explanation: Some children are naughty and studious. Some naughty are children and studious. Some studious are children and naughty.



2. (d)
Explanation: India is a part of the world and Haryans part of India.



3. (b) 1
Explanation:
4. (c) bd
Explanation:
5. (b) 24
Explanation: Clearly, number of boys in the row = (6+10+8) = 24.
6. (c) 35
*Explanation: Number of boys in front of Richard = 14.
Number of boys behind Richard = (14 × 3) = 42.
∴ Total number of boys the column = (14 + 1 + 42) = 57.
In a column of 57 boys, the seventh boy from the end is clearly 51st from the start.
Thus, we have to find the number of boys between the 15th and the 51st boy, which is clearly 35.*
7. (d) Data inadequate
*Explanation: According to Sangeeta, the father's birthday falls on one of the days among 9th, 10th, 11th and 12th December. According to Natasha, the father's birthday falls on one of the days among 10th, 11th, 12th and 13th December.
The days common to both the groups are 10th, 11th and 12th December. So, the father's birth day falls on any one of these days.*
8. (b) 7.05 a.m.
Explanation: Clearly, the last bell rang 45 minutes before 7.45 a.m. i.e., at 7.00 a.m. But it happened five minutes before the priest gave the information to the devotee. So, the information was given at 7.05 a.m.

9. (b) 27
Explanation: Using the correct symbols, we have: Given expression $16 + 4 \times 5 - 72 \div 8 = 16 + 20 - 9 = 36 - 9 = 27.$

10. (b) $7\frac{2}{5}$
*Explanation: Using the correct symbols, we have:
Given expression = $8 + 7 \times 8 \div 40 - 2$
 $= 8 + 7 \times \frac{1}{8} - 2$
 $= 6 + 6 + \frac{1}{5} = \frac{37}{5} = 7\frac{2}{5}$*

11. (a) 53
*Explanation: Using the correct symbols, we have:
Given expression = $18 \times 12 \div 4 + 5 - 6$
 $= 18 \times 3 + 5 - 6$
 $= 54 + 5 - 6 = 59 - 6 = 53.$*

12. (a) 3
*Explanation: Karan is 17th from the right end.
Number of boys to the left of Karan = (29 - 17) = 12.
So, Karan is 13th from the left end. Also, Rohit is 17th from the left end.
Clearly, there are 3 boys between Rohit and Karan.*

13. (b) 75
*Explanation: Amisha is 22nd from the top and Sajal is 5 ranks below Amisha. So, Sajal is 27th from the top. Also, Sajal is 34th from the bottom.
∴ Number of students passed (26 + 1 + 33) = 60.
Let the number of students passed and the number failed be 4x and x respectively.
Then, 4x = 60 or x = 15.
Hence, number of students in the class = (60 + 15) = 75.*

14. (b) 7.20 a.m.
*Explanation: Ashish leaves his house at 6.40 a.m.
He reaches Kunal's house in 25 minutes, i.e., at 7.05 a.m.
Both leave for office 15 minutes after 7.05 a.m., i.e., at 7.20 a.m.*

15. (b) 12 noon - 2.00 P.M.
Explanation: Clearly, the computers would be used most when all the three groups are working simultaneously and this happens during the period 12 noon to 2 p.m.

16. (c) 4
*Explanation: Using the correct symbols, we have:
Given expression = $12 \div 6 - 3 \times 2 + 8 = 2 - 6 + 8 = 10 - 6 = 4.$*

17. (b) 0
Explanation: Using the correct symbols, we have:
 Given expression = $\{[(17 - 12) + (4 \times 2)] \div (23 + 6)\} \times 0 = 0$.
18. (b) 94
Explanation: Using the correct symbols, we have:
 Given expression = $8 \times 12 + 16 \div 2 - 10$
 $= 96 + 8 - 10 = 104 - 10 = 94$.
19. (b) 10
Explanation: In the first row, $6 \times \frac{3}{2} = 9, 6 \times \frac{5}{2} = 15$
In the second row, $8 \times \frac{3}{2} = 12, 8 \times \frac{5}{2} = 20$.
 \therefore In the third row, missing number = $4 \times \frac{5}{2} = 10$.
20. (b) 8
Explanation: In the first column, $\sqrt[3]{3 \times 6 \times 12}$
 $= \sqrt[3]{216} = 6$.
In the second column, $\sqrt[3]{2 \times 20 \times 25} = \sqrt[3]{1000} = 10$
 \therefore In the third column, missing number, $\sqrt[3]{2 \times 20 \times 25}$
 $= \sqrt[3]{512} = 8$
21. (d) 16C
Explanation: In each column, out of the letters A, B and C, each of these must appear once. Along the diagonals, the sum of two numbers is equal to the third number.
 \therefore The missing number will be (7 + 9) i.e., 16 and the letter will be C. So, the answer is 16C.
22. (d) 4
Explanation: In the first column, $13 + 7 \times 2 = 27$.
In the second column, $54 + 45 \times 2 = 144$.
Let the missing number be x. Then, in the third column, we have :
 $x + 32 \times 2 = 68 \Leftrightarrow x = 4$.
23. (c) 5
Explanation: In the first column, $29 - 8 = 7 \times 3 = 21$;
in the second column, $19 - 7 = 4 \times 3 = 12$.
Let the missing number in the third column be x.
 Then, $31 - 6 = 5 \times x$ or $5x = 25$ or $x = 5$.
24. (b) E12
Explanation: Each row consists of alternate letters. Thus, first row contains letters V, X, Z; third row contains letters P, R, T. So, the missing letter is E. The numbers in each column form an arithmetic series. Thus, first column contains numbers 4, 5, 6. The second column contains numbers 2, 3, 4.
The numbers in the third column will form the series 9, 12, 15. So, the answer is E12.
25. (c) 13
Explanation: We have : $1 + 2 = 3, 2 + 3 = 5, 3 + 5 = 8$.
 So, missing number = $5 + 8 = 13$.
26. (a) 49
Explanation: We have: $(18 + 19) - 2 = 35; (22 + 24) - 3 = 43$.
 So, missing number $(26 + 27) - 4 = 49$.
27. (d) 48
Explanation: The number inside the circle is the product of the numbers outside it.
 So, missing number = $2 \times 4 \times 2 \times 3 = 48$.
28. (d) if both conclusions I and II follow.
Explanation: Since both the premises are universal and affirmative, the conclusion must be universal affirmative and should not contain the middle term. So, I follows. II is the converse of the second premise and so it also holds.
29. (b) if only conclusion II follows.
Explanation: Since the middle term 'chalks' is not distributed even once in the premises, no definite conclusion follows. However, II is the converse of the first premise and so it holds.
30. (d) if both conclusions I and II follow.
Explanation: Since the middle term 'tigers' is not distributed even once in the premises, no definite conclusion follows. However, I and II involve only the extreme terms and form a complementary pair. So, either I or II follows.
31. (c)
Explanation: Vertical and horizontal line segments are added to the figure alternately.
32. (a)
Explanation: The two arcs get vertically inverted in the first step; both the arcs approach each other near the centre in the second step; they again get vertically inverted in the third step and move to the opposite sides in the fourth step. These four steps are repeated to continue the series.
33. (b)
Explanation: In each step, all the existing arrows get laterally inverted; the line segment is replaced by a new arrow pointing towards the left and a new line segment appears at the lowermost position.
34. (d)
Explanation: In each one of the other figures, the two line segments cut each other at right angles
35. (d)
Explanation: In each one of the other figures, the inner and the outer elements are similar.

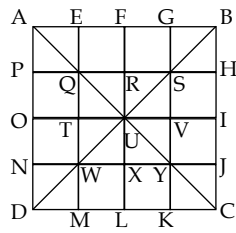
36. (c)

Explanation: All other figures can be rotated into each other.

37. (d) 48

Explanation: The figure may be labelled as shown.

The simplest triangles are APQ, AEQ, QTU, QRU, BGS, BHS, RSU, SUV, TUW, UWX, NWD, WDM, UVY, UXY, JCY and YKC i.e., 16 in number. The triangles composed of two components each are QUW, QSU, SYU and UWY i.e., 4 in number.



The triangles composed of three components each are AOU, AFU, FBU, BIU, UIC, ULC, ULD and OUD i.e., 8 in number.

The triangles composed of four components each are QYW, QSW, QSY and SYW i.e., 4 in number. The triangles composed of six components each are AUD, ABU, BUC and DUC i.e., 4 in number. The triangles composed of seven components each are QMC, ANY, EBW, PSD, CQH, AGY, DSK and BJW i.e., 8 in number.

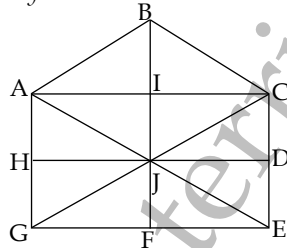
The triangles composed of twelve components each are ABD, ABC, BCD and ACD i.e., 4 in number

Thus, there are $16 + 4 + 8 + 4 + 4 + 8 + 4 = 48$ triangles in the figure.

38. (c) 21

Explanation: The figure may be labelled as shown.

The simplest triangles are ABI, BIC, AIJ, CIJ, AHJ, CDJ, JHG, JDE, GJF and EJF i.e., 10 in number.



The triangles composed of two components each are ABC, BCJ, ACJ, BAJ, AJG, CJE and GJE i.e., 7 in number.

The triangles composed of four components each are

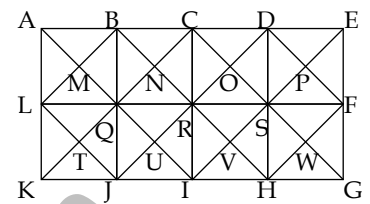
ACG, ACE, CGE and AGE i.e., 4 in number.

\therefore Total number of triangles in the figure = $10 + 7 + 4 = 21$.

39. (c) 24

Explanation: We shall label the given figure as shown.

The squares composed of two components each are BNQM, CORN, DPSO, MQTL, NRUQ, OSVR, PFWS, QUJT, RVIU and SWHV i.e., 10 in number.



The squares composed of four components each are ABQL, BCRQ, CDSR, DEFS, LQJK, QRIJ, RSHI and SFGH i.e., 8 in number. The squares composed of eight components each are BRJL, CSIQ and DFHR i.e., 3 in number.

The squares composed of sixteen components each are ACIK, BDHJ and CEGI i.e., 3 in number. Thus, there are $10 + 8 + 3 + 3 = 24$ squares in the figure.

40. (c) 15

Explanation: We may label the figure as shown.

The simplest squares are A QUYX, URVY, YVSW and XYWT i.e., 4 in number.

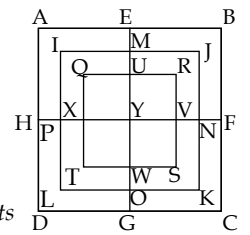
The squares composed of two components each are IMYP, MJNY, YNKO and PYOL i.e., 4 in number.

The squares composed of three components each are AEYH, EBFY, YFCG and HYGD i.e., 4 in number.

There is only one square i.e., QRST composed of four components. There is only one square i.e., IJKL composed of eight components.

There is only one square i.e., ABCD composed of twelve components.

Total number of squares in the given figure $4 + 4 + 4 + 1 + 1 + 1 = 15$.



PART-II : GENERAL KNOWLEDGE
ANSWER PRACTICE TEST PAPER - 4

41. (a) early morning and late evening
42. (a) the President
43. (b) to freedom guaranteed to citizens only
44. (a) Habeas Corpus
45. (a) Constitution (86th Amendment) Act, 2002
46. (d) 2003
47. (b) appointed by the President of India
48. (c) Election Commission of India
49. (b) A commodity whose benefits are indivisibly spread among the entire community
50. (b) A situation where the same product is sold to different consumers for different prices
51. (b) Tax rate increases as income increases
52. (b) Akash
53. (a) Vikrant
54. (b) Philippines
55. (c) 1896
56. (c) Olympic Charter
57. (c) Maharaja Jam Saheb
58. (a) United States of America
59. (c) Myanmar
60. (b) Rear Admiral in Indian Navy
61. (b) Albania
62. (c) SpaceX
63. (b) Russia
64. (b) France
65. (d) Saurabh Garg
66. (b) Muhammad Ali Jinnah
67. (a) Morley-Minto reforms
68. (c) Muhammad Ali Jinnah
69. (c) gradual reduction in the amount of global direct irradiance at the Earth surface
70. (c) earth's albedo

PART-III : ENGLISH
ANSWER PRACTICE TEST PAPER - 4

71. (e) No error
She will not be happy unless her friends do not help her in the examination.
Explanation: Use of negative with unless is incorrect.
72. (a) None of the two
Neither of the two sisters loves the other due to some misunderstandings.
Explanation: Neither is used when referring to two items.
73. (c) unless he will qualify
He will not heave a sigh of relief unless he qualifies in the written test..
Explanation: Simple present is used with future constructions.
74. (d) denying
75. (c) not to find fault with the gifts received
76. (a) an easy achievement
77. (b) Do not bring up an old controversial issue
78. (a) Pedantic
79. (b) Oligarchy
80. (b) Stickler
81. (a) SRQP
82. (c) QPRS
83. (a) QPRS
84. (a) SRPQ
85. (b) see
86. (a) knowledge
87. (c) down
88. (a) I had won as a prize
89. (d) No improvement
90. (a) What must be done, must be done properly.
91. (a) What must be done, must be done properly.
92. (a) His teacher congratulated him on his brilliant success in the recent examination.
93. (a) P R Q S
94. (b) P R Q S
95. (d) P R S Q
96. (a) come in
97. (d) looking for
98. (c) remorse
99. (b) I would have drunk the lemonade
If I had been thirsty I would have drunk the lemonade without waiting for you.
100. (a) We have already seen the movie
We had already seen the movie, so we refused and went to the stadium instead.