

TERRITORIAL ARMY COMMISSION (TAC) EXAMINATION

PRACTICE TEST PAPER - 6

Max Time : 2 Hours

(Please Read The Instructions Carefully)

Max Marks : 100

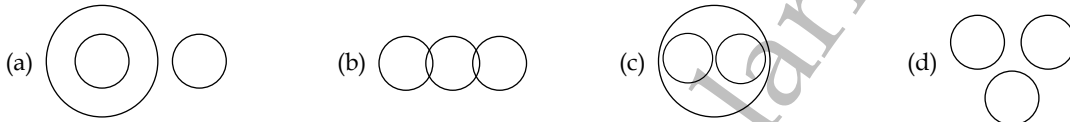
Roll No.....

INSTRUCTIONS

1. Paper-1 has four parts:
 - (a) Part I : Reasoning (40 marks)
 - (b) Part II General Awareness (30 marks)
 - (c) Part III: English (30 marks)
2. Each section carries objectives type of questions.
3. There will be four possible answers to every question. Candidates are required to mark correct answer.
4. For each correct answer, 1 mark will be granted and 0.33 mark will be deducted for every wrong answer.
5. There will be no penalty for questions left unanswered.

PART-1 : REASONING

Q1. Which of the following diagrams indicates the best relation between Thief, Criminal and Police?



Q2. Which of the following diagrams indicates best relation between Pigeon, Bird and Dog?



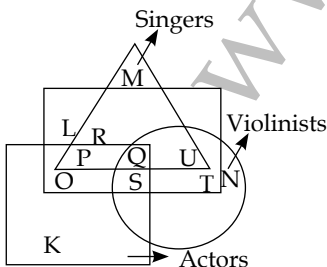
Q3. Which of the following diagrams indicates the best relation between Males, Cousins and Nephews?



Q4. Which of the following diagrams indicates the best relation between Hockey, Football and Cricket?



Q5. In the given figure, which letter represents those Actors who are also Dancers, Singers as well as Violinists?



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

Q6. In a row of boys, A is fifteenth from the left and B is fourth from the right. There are three boys between A and B. C is just left of A. What is C's position from the right?

- (a) 9th (b) 10th (c) 12th (d) 13th

Q7. Forty boys are standing in a row facing the North. Amit is eleventh from the left and Deepak is thirty first from the right end of the row. How far will Shreya, who is third to the right of Amit in the row, be from Deepak?

- (a) 2nd (b) 3rd (c) 4th (d) 5th

- Q8. Standing on a platform, Amit told Sunita that Aligarh was more than ten kilometres but less than fifteen kilometres from there. Sunita knew that it was more than twelve but less than fourteen kilometres from there. If both of them were correct, which of the following could be the distance of Aligarh from the platform?
 (a) 11 km (b) 12 km (c) 13 km (d) 14 km
- Q9. An application was received by inward clerk in the afternoon of a week day. Next day he forwarded it to the table of the senior clerk, who was on leave that day. The senior clerk next day evening put up the application to the desk officer. Desk officer studied the application and disposed of the matter on the same day, i.e., Friday. Which day was the application received by the inward clerk?
 (a) Monday (b) Tuesday (c) Wednesday (d) Earlier week's Saturday
- Q10. Ajay left home for the bus stop 15 minutes earlier than usual. It takes 10 minutes to reach the stop. He reached the stop at 8.40 a.m. What time does he usually leave home for the bus stop?
 (a) 8.30 a.m. (b) 8.45 a.m. (c) 8.55 a.m. (d) Data inadequate
- Q11. A monkey climbs 30 feet at the beginning of each hour and rests for a while when he slips back 20 feet before he again starts climbing in the beginning of the next hour. If he begins his ascent at 8.00 a.m., at what time will he first touch a flag at 120 feet from the ground?
 (a) 4 p.m. (b) 5 p.m. (c) 6 p.m. (d) None of these
- Q12. If + means \times , \times means \div , \div means + and \times means \div , then $15 - 3 + 10 \times 5 \div 5 = ?$
 (a) 5 (b) 22 (c) 48 (d) 52
- Q13. If + stands for \times , \times for \div , \div for $-$ and $-$ for +, find the value of $26 + 74 - 4 \times 5 + 2$.
 (a) 220 (b) 376 (c) 478 (d) 488
- Q14. If \div means \times , \times means +, + means $-$ and $-$ means \div , find the value of $16 \times 3 + 5 - 2 \div 4$.
 (a) 9 (b) 10 (c) 19 (d) None of these
- Q15. If \times means $-$, + means \div , $-$ means \times and \div means +, then $15 - 2 + 900 + 90 \times 100 = ?$
 (a) 190 (b) 180 (c) 90 (d) None of these
- Q16. If P denotes 'multiplied by', T denotes 'subtracted from', M denotes 'added to' and B denotes 'divided by', then $28 B 7 P 8 T 6 M 4 = ?$
 (a) $-\frac{3}{2}$ (b) 30 (c) 32 (d) 34
- Q17. Find the missing term.
- | | | |
|----|----|----|
| 6 | 11 | 25 |
| 8 | 6 | 16 |
| 12 | 5 | ? |
- (a) 18 (b) 16 (c) 12 (d) 10
- Q18. Find the missing term.
- | | | |
|-----|-----|----|
| 1 | 3 | 7 |
| 5 | 12 | 14 |
| 25 | ? | 28 |
| 125 | 192 | 56 |
- (a) 64 (b) 56 (c) 48 (d) 40
- Q19. Find the missing term.
- | | | |
|-----|----|-----|
| 4C | 2B | 3A |
| 28A | ? | 45B |
| 7C | 5A | 15B |
- (a) 10C (b) 12C (c) 13C (d) 7C
- Q20. Find the missing term.
- | | | |
|----|----|----|
| 51 | 11 | 61 |
| 64 | 30 | 32 |
| 35 | ? | 43 |
- (a) 25 (b) 27 (c) 18 (d) 20

Q21. Find the missing term.

24	144	384
6	36	?
2	12	32
1	6	16

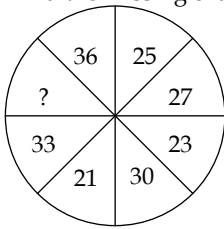
- (a) 80 (b) 85 (c) 91 (d) 96

Q22. Find the missing term.

3C	27D	9E
71	21K	3M
4D	?	7J

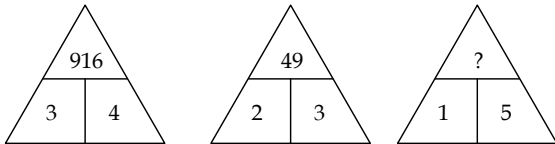
- (a) 11E (b) 28G (c) 35I (d) 48F

Q23. Find the missing character in the following figure.



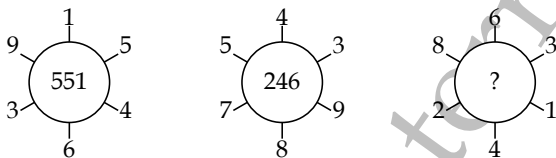
- (a) 19 (b) 22 (c) 32 (d) 35

Q24. Find the missing character in the following figure.



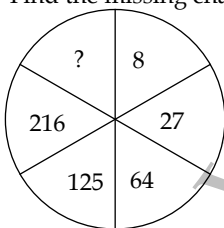
- (a) 125 (b) 215 (c) 251 (d) 512

Q25. Find the missing character in the following figure.



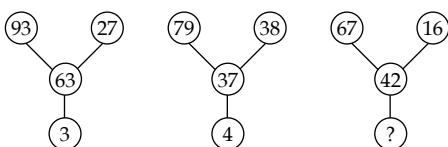
- (a) 262 (b) 622 (c) 631 (d) 824

Q26. Find the missing character in the following figure.



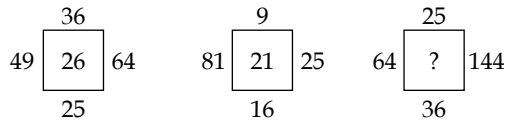
- (a) 4 (b) 305 (c) 343 (d) 729

Q27. Find the missing character in the following figure.



- (a) 5 (b) 6 (c) 8 (d) 9

Q28. Find the missing character in the following figure.



- (a) 19 (b) 23 (c) 25 (d) 31

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

Q29. Statements All pens are roads. All roads are houses.

- Conclusions: I. All houses are pens.
 II. Some houses 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. Statements All good athletes win. All good athletes eat well.

- Conclusions : I. All those who eat well are good athletes.
 II. All those who win eat well.

- (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.

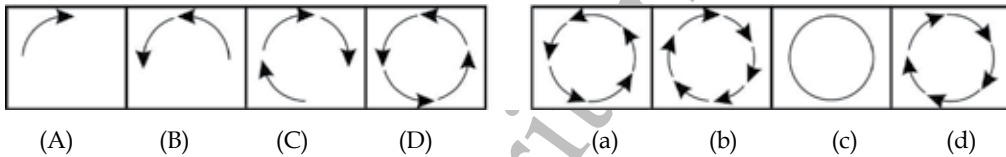
Q31. Statements: All birds are tall. Some tall are hens.

- Conclusion : I. Some birds are hens.
 II. Some hens are tall.

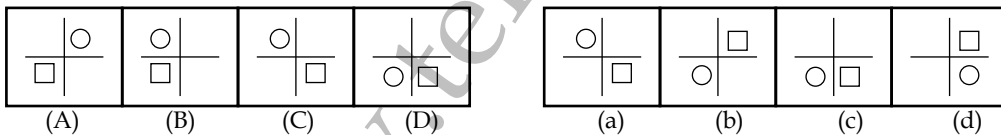
- (a) if only conclusion I follows; (b) if only conclusion II follows;
(c) if neither conclusion I nor II follows; (d) if both conclusions I and II follow.

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.

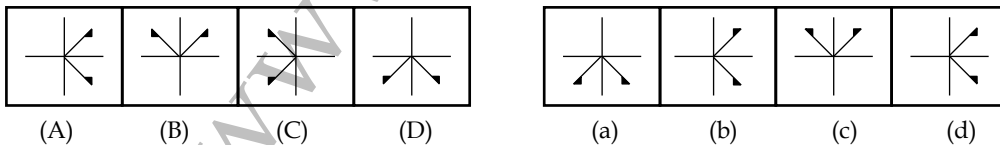
Q32. Find out the next figure



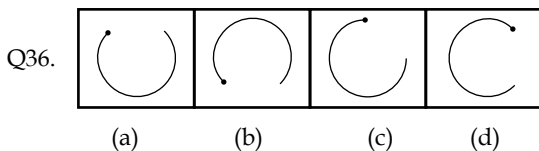
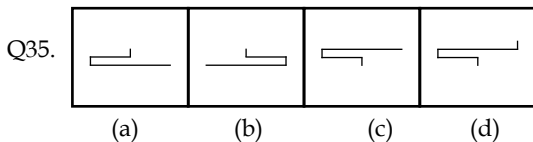
Q33. Find out the next figure

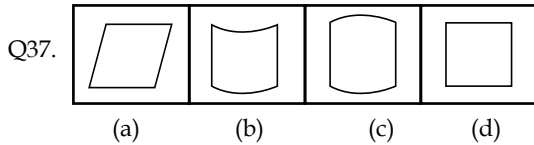


Q34. Find out the next figure

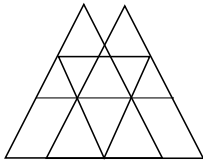


Direction Each of the following problems, contains 4 figures marked (a), (b), (c), (d). Find the odd figure.



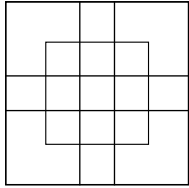


Q38. How many triangles are there puzzles .



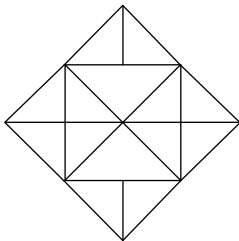
- (a) 16 (b) 18 (c) 14 (d) 15

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



- (a) 18 (b) 19 (c) 25 (d) 27

Q40. How many triangles are there puzzles .



- (a) 18 (b) 20 (c) 28 (d) 34

PART-II : GENERAL KNOWLEDGE

- Q41. Satellite having the same orbital period as the period of rotation of the Earth about its own axis is known as
 (a) polar satellite (b) stationary satellite (c) geostationary satellite (d) INSAT
- Q42. Notification regarding commencement on cessation of a state of war is the responsibility of
 (a) Ministry of Home Affairs (b) Ministry of Defence
 (c) Ministry of External Affairs (d) None of the above
- Q43. The Planning Commission of India has been constituted
 (a) under constitutional provision with specific mention for it
 (b) through an Act of Parliament
 (c) through a cabinet decision in this regard
 (d) through constitutional amendment
- Q44. Electoral disputes arising out of Presidential and Vice Presidential Elections are settled by
 (a) Election Commission of India (b) Joint Committee of Parliament
 (c) Supreme Court of India (d) Speaker of Lok Sabha
- Q45. Power of the Supreme Court of India to decide the between centre and state falls under
 (a) advisory jurisdiction (b) original jurisdiction (c) appellate jurisdiction (d) constitutional jurisdiction
- Q46. The Governor may recommend the imposition of the President's rule in the state
 (a) on the recommendation of the State Legislature
 (b) on the recommendation of the President
 (c) on the recommendation of the Chief Minister
 (d) if he is convinced that the Government of the State cannot be carried on in accordance with the provisions of the Constitution of India

- Q47. Lack of atmosphere around the Moon is due to
 (a) low escape velocity of air molecule and low gravitational attraction
 (b) high escape velocity of air molecule and low gravitational attraction
 (c) low gravitational attraction only
 (d) high escape velocity of air molecule only
- Q48. The impeachment of the President of India can be initiated in
 (a) either house of the Parliament (b) a joint sitting of both houses of the Parliament
 (c) the Lok Sabha alone (d) the Rajya Sabha alone
- Q49. The core of political democracy lies in the basic axiom of electoral democracy which is based on
 (a) Right to education (b) Freedom of speech (c) Right to equality (d) Universal adult franchise
- Q50. Zero Hour in the Indian Parliament starts at
 (a) first hour of the sitting (b) last hour of the sitting (c) 12:00 noon (d) no fixed timings
- Q51. 32. Who among the following Indian Prime Ministers resigned before facing a vote of no-confidence in the Lok Sabha?
 (a) Chandra Shekhar (b) Morarji Desai
 (c) Chaudhary Charan Singh (d) VP Singh
- Q52. Which one among the following writs literally means you may have the body?
 (a) Certiorari (b) Habeas Corpus (c) Mandamus (d) Quo Warranto
- Q53. The Speaker of the Lok Sabha may be removed from office by
 (a) the majority party in the house adopting a no confidence motion
 (b) a resolution passed by not less than half of the total membership of the house
 (c) a resolution passed by at least two-thirds of the total membership of the house
 (d) a resolution passed by a majority of all the members of the house
- Q54. Under flexible exchange rate system, the exchange rate is determined
 (a) predominantly by market mechanism (b) by the Central Bank
 (c) as a weighted index of a group of currencies (d) by the World Trade Organization
- Q55. Rise in the price of a commodity means
 (a) rise in the value of currency only
 (b) fall in the value of currency only
 (c) rise in the value of commodity only
 (d) fall in the value of currency and rise in the value of commodity.
- Q56. An exceptional demand curve is one that slopes
 (a) downward to the right (b) upward to the right (c) horizontally (d) upward to the left
- Q57. 'Arihant' is a
 (a) Multi barrel rocket launcher (b) Airborne Early Warning and Control System
 (c) Unarmed Combat Aerial Vehicle (d) Nuclear-powered ballistic missile submarine
- Q58. Which Indian armed force has created a first-of-its kind 'human rights cell'?
 (a) India Navy (b) Indian Army (c) Indian Coast Guard (d) Indian Air Force
- Q59. What is 'INS Karanj', which was making news recently, with reference to Indian defence?
 (a) Scorpene submarine (b) Aircraft carrier (c) Frigate (d) Destroyer
- Q60. Which state /UT plays host to the Khelo India Winter Games 2021?
 (a) Delhi (b) Jammu and Kashmir (c) Maharashtra (d) Uttar Pradesh
- Q61. Which state of India houses the Shaheed Veer Narayan Singh International Cricket Stadium?
 (a) Jharkhand (b) Chattisgarh (c) Madhya Pradesh (d) Maharashtra
- Q62. Which country houses the headquarters of the International Tennis Federation?
 (a) Canada (b) Switzerland (c) France (d) United Kingdom
- Q63. Which sport's competition is known as the "Davis Cup"?
 (a) Tennis (b) Football (c) Cricket (d) Volleyball
- Q64. Which one of the following is a peacetime Gallantry Award?
 (a) Shaurya Chakra (b) Vir Chakra (c) Yudh Seva Medal (d) Param Vir Chakra
- Q65. The National Dope Testing Laboratory functions under
 (a) Ministry of Health and Family Welfare (b) Ministry of Science and Technology
 (c) Ministry of Youth Affairs and Sports (d) Ministry of Home Affairs
- Q66. What is the rank of India in the World Press Freedom index 2021?
 (a) 142 (b) 152 (c) 162 (d) 172

- Q67. The Commercial Crew Program (CCP), which was making news recently, is a flagship initiative of which space agency?
 (a) ISRO (b) NASA (c) JAXA (d) Roscosmos
- Q68. Which state/UT announced that all departments of the government will use only electric vehicles?
 (a) Odisha (b) Delhi (c) West Bengal (d) Telangana
- Q69. Which organisation is set to launch Covid-19 Oxygen Emergency Taskforce?
 (a) UNICEF (b) Indian Medical Association
 (c) AIIMS (d) WHO
- Q70. 'B.1.526' is a new highly contagious Covid-19 mutant variant first recorded in which country?
 (a) China (b) USA (c) South Africa (d) India

PART-III : ENGLISH

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

- Q71. Only when you have your children (a)/ you will understand (b)/ how difficult it is (c)/ No error (d)/
- Q72. If she will go to the university next year (a)/ we will have the (b)/ house to ourselves (c)/ No error (d)/
- Q73. I told goodbye to (a)/ Deepesh but he (b)/ ignored me completely (c)/ No error (d)/

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

- Q74. To get admission in present day educational institutions, all children should be born with a silver spoon in the mouth.
 (a) be born in a rich family (b) be born to silver spoon manufacture
 (c) always hold a silver spoon (d) be born with silver spoon
- Q75. A man of straw means
 (a) A very active person (b) A worthy fellow
 (c) An unreasonable person (d) A man of no substance
- Q76. To be above board.
 (a) To have a good height (b) To be honest in any business deal
 (c) Having no debts. (d) To try to be beautiful
- Q77. To cry wolf.
 (a) To listen eagerly (b) To give false alarm
 (c) To turn pale (d) To keep off starvation

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

- Q78. List of the business or subjects to be considered at a meeting
 (a) Schedule (b) Timetable (c) Agenda (d) Plan
- Q79. Leave or remove from a place considered dangerous
 (a) Evade (b) Evacuate (c) Avoid (d) Exterminate
- Q80. A prima facie case is such
 (a) As it seems at first sight (b) As it is made to seem at first sight
 (c) As it turns out to be at the end (d) As it seems to the court after a number of hearings

Choose the word which best expresses nearly the same meaning of the given word.

- Q81. ENCOMIUM
 (a) Verve (b) Eulogy (c) Doggerel (d) Force
- Q82. PARLEY
 (a) Discuss (b) Deliver (c) Sweeten (d) Race
- Q83. BROWBEAT
 (a) Ambitious (b) Challenging (c) Intimidate (d) Tarnish
- Q84. WAIVE
 (a) Restrict (b) Relax (c) Permit (d) Admit
- Q85. AMICABLE
 (a) Nebulous (b) Abominable (c) Harmonious (d) Delicate

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.

- Q86. S1: The city is almost a slum and stinks most of time.
P: The slush on the road did not deter them.
Q: The occasional slips and falls were considered a small price to pay for the trip.
R: They were excited, fascinated by the sight of fresh snow on the roads.
S: Even so, it looked beautiful to tourists of various categories.
S6: But some visitors came away with the unforgettable sight of young labours scantily clad.
The Proper sequence should be:
(a) RQPS (b) QPRS (c) RSQP (d) SPQR
- Q87. S1: Venice is a strange and beautiful city in the north of Italy.
P: There are about four hundred old stone bridges joining the island of Venice.
Q: In this city there are no motor cars, no horses, no buses.
R: These small islands are near one another.
S: It is not an island but a hundred and seventeen islands.
S6: This is because Venice has no streets.
The Proper sequence should be:
(a) PQRS (b) PRQS (c) SRPQ (d) PQSR
- Q88. S1: The Hound of Baskervilles was feared by the people of the area.
P: Some people spoke of seeing a huge, shadowy form a Hound at midnight on the moor.
Q: But they spoke of it in tones of horror.
R: Nobody had actually seen the hound.
S: This shadowy form did not reveal any details about the animal.
S6: The Hound of Baskervilles remains an unsolved mystery.
The Proper sequence should be:
(a) SPQR (b) SPRQ (c) PSRQ (d) PQRS
- Q89. S1: A gentleman who lived alone always had two plates placed on the table at dinner time.
P: One day just as he sat down to dine, the cat rushed in to the room.
Q: One plate was for himself and other was for his cat.
R: she drooped a mouse into her own plate and another into her master plate.
S: He used to give the cat a piece of meat from his own plate.
S6: In this way the cat showed her gratitude to her master.
The Proper sequence should be:
(a) QSPR (b) PSRQ (c) QRSP (d) RPQS

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

- Q90. No one could explain how a calm and balanced person like him could penetrate such a mindless act on his friends.
(a) perpetuate (b) perpetrate (c) precipitate (d) No improvement
- Q91. Five years ago today, I am sitting in a small Japanese car, driving across Poland towards Berlin.
(a) was sitting (b) sat (c) have been sitting (d) No improvement
- Q92. I took the cycle which he bought yesterday.
(a) that he bought yesterday (b) that which he had bought yesterday
(c) that he had bought yesterday (d) No improvement
- Q93. Please make it a point to send you letter at my address.
(a) on my address (b) to my address (c) in my address (d) No improvement
- Q94. If you are living near a market place you should be ready to bear the disturbances caused by traffic.
(a) to bear upon (b) to bear with (c) to bear away (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.

- Q95. The people elected him Mayor.
(a) Him was elected Mayor by the people. (b) He was elected Mayor by the people.
(c) Mayor is elected by the people. (d) He is elected by the people Mayor.
- Q96. Someone saw him picking up a gun.
(a) He was seen pick up a gun by someone (b) He was seen picking up a gun by someone
(c) He was seen when he was picking up a gun (d) He was seen by someone pick a gun
- Q97. The boy has rung the bell
(a) The bell has been rung by the boy. (b) The bell was being rung by the boy.
(c) The bell was rung by the boy. (d) The bell has been being rung by the boy.

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

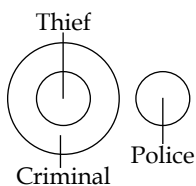
- Q98. Mohan, the son of my friend, gave me a set of pens (P)/ which is very precious (Q)/ while working in Japan (R)/ who died in an accident (S)/
(a) P Q R S (b) S R P Q (c) R S P Q (d) S P Q R
- Q99. The clerk on the desk (P)/ left the money (Q)/ in the safe (R)/ which he should have locked up (S)/
(a) P Q R S (b) R S P Q (c) Q P R S (d) Q P S R
- Q100. There must be countries now in which peasants can spend several years in universities (P)/ so that (Q)/ a lot of young persons (R)/ are going without substantial meals (S)/
(a) S R Q P (b) P Q R S (c) S Q R P (d) Q P S R

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PART-I : REASONING
ANSWER PRACTICE TEST PAPER - 6

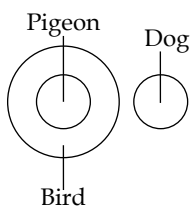
1. (a)

Explanation:



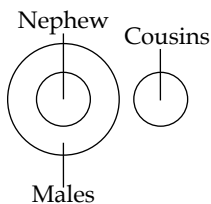
2. (a)

Explanation: Pigeon is a bird and dog is an animal.



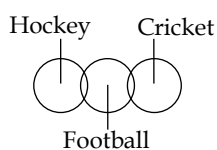
3. (d)

Explanation: All Nephews are males, cousin is a separate entity.



4. (b)

Explanation:



5. (b) Q

Explanation: Letter Q represents those Actors who are also Dancers, Singers as well as violinists.

6. (a) 9th

Explanation: Number of boys the row = $(15+4+3) = 22$.
C is just left of A. So, C is 14th from the left end. Number of boys to the right of C = $(22 - 14) = 8$
So, C is 9th from the right end of the row.

7. (c) 4th

Explanation: Number of boys to the left of Deepak = $(40 - 31) = 9$.
So, Deepak is 10th from the left end. Shreya is third to the right of Amit. So, Shreya is 14th from the left end.

Clearly, Shreya is fourth to the right of Deepak.

8. (c) 13 km

Explanation: Clearly, according to Sunita, the distance was more than 12 km but less than 14 km, which is 13 km.

9. (c) Wednesday

Explanation: Desk officer received the application on Friday. Clearly, the application was forwarded to the table of the senior clerk on Thursday. So, the application was received by the inward clerk on Wednesday.

10. (b) 8.45 a.m.

Explanation: Clearly, Ajay left home 10 minutes before 8.40 a.m., i.e., at 8.30 a.m. But it was 15 minutes earlier than usual. So, he usually left for the stop at 8.45 a.m.

11. (c) 6 p.m.

Explanation: Clearly, the monkey climbs 10 feet in one hour. So, it will climb upto a height of 90 feet in 9 hours, i.e., at 5.00 p.m. It will then ascend a height of 30 feet in the next hour to touch the peak at 6.00 p.m.

12. (c) 48

Explanation: Using the correct symbols, we have:

$$\text{Given expression} = 15 \times 3 - 10 \div 5 + 5 = 45 - 2 + 5 = 50 - 2 = 48.$$

13. (c) 478

Explanation: Using the correct symbols, we have:

$$\begin{aligned} \text{Given expression} &= 26 \times 74 \div 4 - 5 + 2 = 26 \times \frac{37}{2} - 5 + 2 \\ &= 13 \times 37 - 5 + 2 = 481 - 5 + 2 = 478. \end{aligned}$$

14. (a) 9

Explanation: Using the correct symbols, we have:

$$\text{Given expression} = 16 + 3 - 5 \div 2 \times 4 = 16 + 3 - \frac{5}{2} \times 4 = 19 - 10 = 9$$

15. (d) None of these

Explanation: Using the correct symbols, we have:

$$\begin{aligned} \text{Given expression} &= 15 \times 2 + 900 \div 90 - 100 = 30 \\ &+ 10 - 100 = -60. \end{aligned}$$

16. (b) 30

Explanation: Using the correct symbols, we have:

$$\begin{aligned} \text{Given expression} &= 28 \div 7 \times 8 - 6 + 4 \\ &= 4 \times 8 - 6 + 4 = 32 - 6 + 4 = 36 - 6 = 30. \end{aligned}$$

17. (b) 16

Explanation: In the first row, $11 \times 2 + (6 \div 2) = 25$.

In the second row, $6 \times 2 + (8 \div 2) = 16$.

\therefore In the third row, missing number = $5 \times 2 + (12 \div 2)$
= $10 + 6 = 16$.

18. (c) 48

Explanation: The sequence in first column is $\times 5$.

Thus, $1 \times 5 = 5$, $5 \times 5 = 25$, $25 \times 5 = 125$.

The sequence in third column is $\times 2$. Thus, $7 \times 2 = 14$,
 $14 \times 2 = 28$, $28 \times 2 = 56$.

The sequence in second column is $\times 4$.

\therefore Missing number = $12 \times 4 = 48$

19. (a) 10C

Explanation: In each row, out of the letters A, B and C, each of these must appear once. In each column, the product of the first and third numbers is equal to the second number. So, the missing number will be (2×5) i.e., 10 and the letter will be C.

Thus, the answer is 10C.

20. (b) 27

Explanation: In the first row, $5 \times 1 = 5$, $6 \times 1 = 6$, $5 + 6 = 11$.

In the second row, $6 \times 4 = 24$, $3 \times 2 = 6$, $24 + 6 = 30$.

In the third row, $3 \times 5 = 15$, $4 \times 3 = 12$.

So, missing number = $15 + 12 = 27$.

21. (d) 96

Explanation: The numbers in each column follow the pattern $\div 4$, $\div 3$, $\div 2$.

In the first column, $24 \div 4 = 6$, $6 + 3 = 2$, $2 \div 2 = 1$.

In the second column, $144 \div 4 = 36$, $36 \div 3 = 12$, $12 \div 2 = 6$.

In the third column, missing number = $384 \div 4 = 96$.

22. (b) 28G

Explanation: The letters in the first row form a series C, D, E (a series of consecutive letters). The letters in the second row form a series I, K, M (a series of alternate letters).

Similarly, the letters in the third row will form the series D, G, J (a series in which each letter is 3 steps ahead of the previous one).

So, the missing letter is G. Also, the number in the second column is equal to the product of the numbers in the first and third columns. So, missing number is (4×7) i.e., 28. Thus, the answer is 28 G.

23. (a) 19

Explanation: Starting from 27 and moving clockwise, the numbers in alternate segments form the series :27, 30, 33, 36.

The numbers in remaining segments, moving anticlockwise, may form the series: ?, 21, 23, 25 or 21, 23, 25, ?

So, the missing number is either 19 or 27.

24. (a) 125

Explanation: The numbers obtained by squaring the numbers at the bottom are combined together physically to get the number in the upper part.

25. (b) 622

Explanation: We have: $(915 - 364) = 551$, $(789 - 543) = 246$.

So, missing number $(863 - 241) = 622$.

26. (c) 343

Explanation: Moving clockwise, the terms are: 2^3 , 3^3 , 4^3 , 5^3 , 6^3 , 7^3 .

27. (d) 9

Explanation: We have: $93 - (27 + 63) = 3$;

$79 - (38 + 37) = 4$.

So, missing number $67 - (16 + 42) = 9$.

28. (d) 31

Explanation: We have: $\sqrt{36} + \sqrt{64} + \sqrt{25} + \sqrt{49} = 26$;

$\sqrt{9} + \sqrt{25} + \sqrt{16} + \sqrt{81} = 21$.

So, missing number = $\sqrt{25} + \sqrt{144} + \sqrt{36} + \sqrt{64}$
= $(5 + 12 + 6 + 8) = 31$.

29. (b) if only conclusion II follows;

Explanation: Since both the premises are universal and affirmative, the conclusion must be universal affirmative and should not contain the middle term. So, it follows that 'All pens are houses'. II is the converse of this conclusion and so it holds. Since the term 'houses' is distributed in I without being distributed in any of the premises, so I does not follow.

30. (c) if neither conclusion I nor II follows;

Explanation: Since the middle term 'good athletes' is distributed twice in the premises, the conclusion must be particular and should not contain the middle term. So it follows that 'Some of those who win, eat well'

31. (b) if only conclusion II follows;

Explanation: Since the middle term 'tall' is not distributed even once in the premises, no definite conclusion follows. However, II is the converse of the second premise and so it holds.

32. (d)

Explanation: The figure gets laterally inverted and the number of arrows increases by one in each step.

33. (b)

Explanation: The circle and the square move to the adjacent portion in an ACW direction alternately.

34. (d)

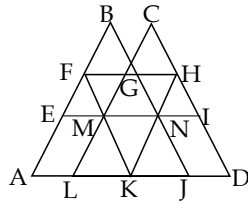
Explanation: Similar figure repeats in every second step. Each time a particular figure reappears, it gets laterally inverted

35. (d)
 Explanation: Figure (d) consists of five line segments while each one of the other figures consists of four line segments.

36. (b)
 Explanation: All other figures can be rotated into each other.

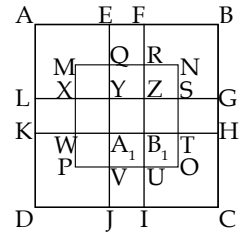
37. (c)
 Explanation: In each one of the other figures, the opposite sides (either curved or straight) are parallel to each other.

38. (b) 18
 Explanation: We may label the figure as shown.
 The simplest triangles are BFG, CGH, EFM, FMG, GMN, GHN, HNI, LMK, MNK and KNJ i.e., 10 in number.
 The triangles composed of three components each are FAK and HKD i.e., 2 in number. The triangles composed of four components each are BEN, CMI, GLJ and FHK i.e., 4 in number. The triangles composed of eight components each are BAJ and CLD i.e., 2 in number. Thus, there are $10+2+4+2$ 18 triangles in the given figure



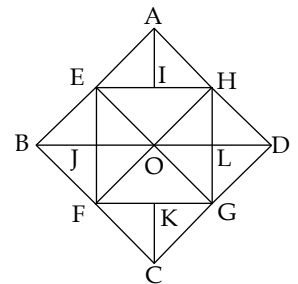
39. (d) 27
 Explanation: The figure may be labelled as shown.
 The simplest squares are EFRQ, MQYX, QRZY, RNSZ, LXWK, XYA, W, YZB, A, ZSTB, SGHT,

WA, VP. A, B, UV, B, TOU and VUIJ i.e., 13 in number.
 The squares having two components each are AEYL, FBGZ, KA, JD and B, HCI i.e., 4 in number.



The squares having four components each are MRB, W, QNTA, XZUP and YSOV i.e., 4 in number.
 The squares having seven components each are AFB, K, EBHA, LZID and YGCJ i.e., 4 in number. There is only one square i.e., MNOP composed of nine components.
 There is only one square i.e., ABCD composed of seventeen components.
 \therefore There are $13+4+4+4+1+1 = 27$ squares in the figure.

40. (c) 28
 Explanation: The figure may be labelled as shown below:
 The simplest triangles are AEI, AIH, BEJ, BJE, CFK, CKG, DGL, DLH, EOJ, FOJ, FOG, LOG, HOL and HOE i.e., 14 in number.
 The triangles composed of two components each are EAH, FBE, BEO, EOF, BFO, FCG, GDH, HOD, HOG and GOD i.e., 10 in number.
 The triangles composed of three components each are EFH, EHG, FGH and EFG i.e., 4 in number. Thus, there are $14+10+4 = 28$ triangles in the given figure.



PART-II : GENERAL KNOWLEDGE
ANSWER PRACTICE TEST PAPER - 6

41. (c) you will understand
 Only when you have your children will you understand how difficult it is.
42. (a) If she will go to the university next year
 If she goes to the university next year, we will have the house ourselves.
43. (a) I told goodbye to
 I said goodbye to Deepesh but he ignored me completely.
44. (a) be born in a rich family
45. (d) A man of no substance
46. (b) To be honest in any business deal
47. (a) low escape velocity of air molecule and low gravitational attraction
48. (a) either house of the Parliament
49. (d) Universal adult franchise
50. (c) 12:00 noon
51. (c) Chaudhary Charan Singh
52. (b) To give false alarm
53. (c) Agenda
54. (b) Evacuate
55. (a) As it seems at first sight
56. (d) SPQR
57. (c) SRPQ
58. (a) SPQR
59. (a) QSPR
60. (b) perpetrate
61. (a) was sitting
62. (c) that he had bought yesterday
63. (b) to my address
64. (b) to bear with
65. (b) He was elected Mayor by the people.
66. (b) He was seen picking up a gun by someone
67. (a) The bell has been rung by the boy.
68. (b) S R P Q
69. (d) Q P S R
70. (c) S Q R P

PART-III : ENGLISH
ANSWER PRACTICE TEST PAPER - 6

1. (c) geostationary satellite
2. (c) Ministry of External Affairs
3. (c) through a cabinet decision in this regard
4. (c) Supreme Court of India
5. (b) original jurisdiction
6. (d) if he is convinced that the Government of the State cannot be carried on in accordance with the provisions of the Constitution of India
7. (b) Habeas Corpus
8. (d) a resolution passed by a majority of all the members of the house
9. (a) predominantly by market mechanism
10. (b) fall in the value of currency only
11. (b) Eulogy
12. (a) Discuss
13. (c) Intimidate
14. (b) Relax
15. (c) Harmonious
16. (a) downward to the right
17. (d) Nuclear-powered ballistic missile submarine
18. (b) Indian Army
19. (a) Scorpene submarine
20. (b) Jammu and Kashmir
21. (b) Chattisgarh
22. (d) United Kingdom
23. (a) Tennis
24. (a) Shaurya Chakra
25. (c) Ministry of Youth Affairs and Sports
26. (a) 142
27. (b) NASA
28. (b) Delhi
29. (d) WHO
30. (b) USA

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