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**Accenture:**
Accenture exam is conducted by Aspiring minds(AMCAT).
Exam pattern:

Verbal - 25Q   30minutes.
Quant - 25Q   30minutes.
Logical - 24Q   30minutes.
There is no sectional cut-off and no negative markings.

Quantitative Aptitude section consists of maths questions from the topics like **probability, permutation and combination** algebra, time & **work, time, speed & distance, trains, Averages**, arithmetic, **percentages, profit & loss, geometry, numbers, logarithms** , SI and CI, mensuration, Geometry Mixtures and alligation, chain rule, **Divisibility, HCF and LCM, Numbers**, decimal fractions and power etc. This section is of moderate level.

Logical Ability section consists series, blood relation, puzzles, calendars, clock, dice, direction sense,   Logical Word Sequence, Coding pattern and Number series pattern recognition, Analogy and Classification, Data sufficiency, coded inequality, syllogism, etc.

English section consists of basic questions from English language like synonyms, antonyms, sentence completion and correction etc.

1. No. of zeroes in 100!

2. No. of zeroes in 120!

3. No. of zeroes in 100!

4. What is highest power of 7 in 200!

5. What is highest power of 6 in 200!

6. What is highest power of 15 in 200!

1. Which of the following statements is not correct?
A.   log10 10 = 1
B.   log (2 + 3) = log (2 x 3)
C.   log10 1 = 0
D.   log (1 + 2 + 3) = log 1 + log 2 + log 3
2. If log10 5 + log10 (5x + 1) = log10 (x + 5) + 1, then x is equal to:
A.   1
B.   3
C.   5
D.   10

3. The value of $\quad$ 1 /log360 $\quad$ + $\quad$ 1/log460 $\quad$ + $\quad$ 1 /log560 $\quad$ is:

A. $\quad$ 0

B. $\quad$ 1

C. $\quad$ 5

D. $\quad$ 60

4. If log(k2 - 4k + 5) = 0, then the value of k is

5. If $\log_4 \log_2 \log_3 (2x - 1) = \dfrac{1}{2}$, find x

6

If $\log_a b = \dfrac{1}{2}$, $\log_b c = \dfrac{1}{3}$ and $\log_c a = \dfrac{k}{5}$, the value of k is

7. What is the value of $\log(ab^2)$ - $\log(ac)$ + $\log(abc^4)$ - $3\log(bc)$?

8. The value of $\log_3 27$

9.

The value of $\quad \dfrac{1}{\log_{xy} xyz} \ + \ \dfrac{1}{\log_{yz} xyz} \ + \ \dfrac{1}{\log_{zx} xyz} \quad$ is

10. **The value of $\log_2 3$ x $\log_3 2$ x $\log_3 4$ x $\log_4 3$ is ?**

11. The equation $\log_a x + \log_a (1+x) = 0$ can be written as ?

$\quad$ A. $\quad x_2 + x - 1 = 0$

$\quad$ B. $\quad x_2 + x + 1 = 0$

$\quad$ C. $\quad x_2 + x - e = 0$

$\quad$ D. $\quad x_2 + x + e = 0$

12. If $\log_5 (x_2 + x)$ - $\log_5 (x + 1) = 2$, then the value of x is

A. 30 B. 25

C. 10 D. 5

13. If $\log_9 x + \log_3 x = 9$, then the value of x is

A. 27 B. 81

C. 243 D. 729

7. A cricketer played 80 innings and scored an average of 99 runs. His score in the last inning was zero run. To have an average of 100 at the end, his score in the last innings should have been

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60 runs
80 runs
10 runs
1 run

8. A man spends an average of Rs. 1,694.70 per month for the first 7 months and Rs.1,810.50 per month for the next 5 months. His monthly salary if he saves Rs. 3,084.60 during the whole year is

Rs. 1000
Rs. 2000
Rs. 2400
Rs. 3000

9. A and B undertake to do a piece of work for Rs. 2,200. A alone can do it in 8 days, while B can do it in 6 days. With the help of C, they complete it in 3 days. Find C's share.

Rs. 150
Rs. 275
Rs. 245
Rs. 175

10. By selling an article at 80% of its marked price, a trader makes a loss of 10%. What will be the profit percentage if he sells it at 95% of its marked price?

5.9
12.5
6.9
5

11. By selling an umbrella for Rs. 30, a shopkeeper gains 20%. During a clearance sale, the shopkeeper allows a discount of 10% of the marked price. His gain during the sale season is

8
9
7
7.5

12. The Arithmetic mean of 5, 10, 12, 18, 20 is:

5
65
13
12

13. The number of sequence in which 7 players can throw a ball so that the youngest player may not be the last one.

6(6!)

14.

15. From each of two given numbers, half the smaller number is subtracted. After such subtraction, the larger number is 4 times as large as the smaller number. What is the ratio of the numbers?

4 : 1
4 : 5
5 : 2
1 : 4

16. What is the largest number which divides 150, 180 and 144 leaving the same remainder in each case?

12
3
6
8

17. In an examination, 52% of the candidates failed in English and 43% failed in Mathematics. If 17% failed in both the subjects, then the percentage of candidates, who passed in both the subjects, was

25
22
23
21

18. Inspite scoring very high in the exam, Arun failed to secure admission in the college of his choice.

- since
- despite
- but
- even
- No correction required.

DIRECTIONS for the question 2-3: Read the sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. if there is 'No Error" the answer is (5). (Ignore errors of punctuation if any.)

- A good employee (1)/ is one which (2)/ is always willing (3)/ to go the extra mile. (4)/ No Error(5)

  - 1
  - 2
  - 3
  - 4
  - 5

- Through her efforts (1)/ she manage to (2)/ open several institutions to (3)/ help the downtrodden. (4)/ No Error (5)

  - 1
  - 2
  - 3
  - 4
  - 5

DIRECTIONS for the question 4-5: Fill in the blank with the right options provided.

- I_____ a friend named Raj who _____ a horse ranch in the city.

  - has, buys
  - need, holds
  - possess, runs
  - have, owns
  - got, sells

- As night _____in the heights of the mountains, Ramesh could not _____ anything.

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- fell, see
- darkened, view
- rose, admire
- dive, perceive
- became, get

DIRECTIONS for the question 6-10: Passage

Inspired by the 'Vision-2020', we are conscious that we are a continent sized economy. When we begin to hum, the world will hear our song. Rightly, the policy makers have also worked out what they call a "strategic vision" for India. This includes global acceptance of India as a nuclear weapons power and getting a permanent seat in the UN Security Council. We need to project ourselves in the region. A global role has to be built on a regional foundation. No doubt, the road ahead is arduous. Endowed with massive man-power, abundant natural resources, a rich and riveting heritage, our prowess is not confined to any one field. A new study has ranked India second in the world, next only to the US, in terms of distribution of certified professionals in nine major categories, including computer software, finance and health care.

- What is the vision of India?

  - Global role
  - Global acceptance as a N-power.
  - Permanent place in the UN Security Council.
  - All these

- What has been the restraining factor for India?

  - Our neighbours
  - Politicians
  - Right way of projection in the region.
  - Distribution of programmes

- What is the objective of Indian policy makers?

  - Acceptance of India as a Nuclear Weapons power.
  - Get a permanent place in the UN Security Council.
  - To build India as an economic power.
  - All these

- What aspects enable us to play a strategic global role?

  - Large economy
  - Rich heritage
  - Professional manpower
  - All these

- What is the difficulty in front of our policy makers?

  - Size of our economy
  - Global Acceptance
  - UN Security Council
  - None of these

DIRECTIONS for the question 9-10: Given an input line ; the machine arranges the words and numbers in steps in a systematic manner as illustrated afterwards : Study the pattern and answer the question that follows.

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of input and rearrangement: (All the numbers are two digit numbers)

Input : 40 made butter 23 37 cookies salt extra 52 86 92 fell now 19
Step I : butter 19 40 made 23 37 cookies salt extra 52 86 92 fell now
Step II : cookies 23 butter19 40 made 37 salt extra 52 86 92 fell now
Step III : extra 37 cookies 23 butter 19 40 made salt 52 86 92 fell now
Step IV : fell 40 extra 37 cookies 23 butter 19 made salt 52 86 92 now
Step V : made 52 fell 40 extra 37 cookies 23 butter 19 salt 86 92 now
Step VI : now 86 made 52 fell 40 extra 37 cookies 23 butter 19 salt 92
Step VII : salt 92 now 86 made 52 fell 40 extra 37 cookies 23 butter 19

Step VII is the last step of the above arrangement as the intended arrangement is obtained. As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input : 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life
How many steps will be required to complete the given input?

  five
  six
  seven
  eight

Which of the following is the third element from the left end of step VI?
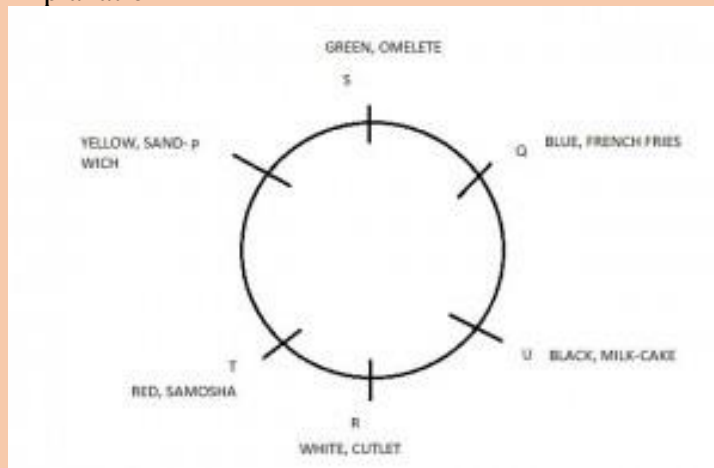
  beautiful

Life
61
Nice

Six persons P, Q, R, S, T and U are sitting around a circular table facing towards the centre of the table in a restaurant. They have ordered for different items i.e. samosha, cutlet, French fries, omelette, sandwich and milk-cake. They are wearing T-shirts of different colours, i.e. white, black, green, red, yellow and blue but not necessarily in the same order.

- The person who have ordered for samosha, French fries and Sandwich are neither in white nor in black T- shirt.
- The person who are in green and yellow T-shirts have neither ordered for samosha nor for French fries
- P is neither in white T-shirt nor on the immediate left of the person who has ordered for omelette.
- The only person who is seated between T and U eats cutlet. The person who is on the left side of the person in white T-shirt does not eat Milk-cake.
- S has ordered for omelette and the colour of his T-shirt is green. He is facing the person who has ordered for Cutlet.
- One who has ordered for samosha is seated opposite to the person wearing blue T-shirt, while the person whose T-shirt is of green colour is on the left of the person who has ordered for sandwich.
- One who has ordered for milk-cake is on the immediate right of the person in white T-shirt but on the immediate left of the person who has ordered for French fries
- R has not ordered for french-fries while U has not ordered for samosha

Explanation

1. **Who among the following is in white T-shirt?**
   a) P
   b) T
   c) U

d) R
e) None of these

Answer

Answer – **d) R**

2. **The only person between T and S is wearing T –shirt of which colour?**
   a) red
   b) black
   c) yellow
   d) green
   e) None of these

   Answer

   Answer – **c) yellow**

3. **Who among the following has ordered for sandwich?**
   a) R
   b) S
   c) P
   d) T
   e) None of these

   Answer

   Answer – **c) P**

4. **Which of the following is correctly matched?**
   a) R-WHITE-MILKCAKE
   b) U-BLACK-SAMOSHA
   c) T-RED-SAMOSHA
   d) P-WHITE-OMELETE
   e) None of these

   Answer

   Answer – **c) T-RED-SAMOSHA**

5. **The colour of the T-shirt of the person, who has ordered for milk-cake, is-**
   a) green
   b) yellow
   c) blue

d) red
e) None of these

Answer

Answer – **e) None of these**

Direction(6-10): Study the following information carefully to answer the given questions
There are six boys P, Q, R, S, T and U. They want to go out with six girls A, B, C, D, E and F, not necessarily in the same order. The pairs went to different cities Delhi, Mumbai, Kolkata, Chennai and two of them went to Jaipur. They like different bikes viz KTM, Bullet, Pulsar and Apache. But KTM and Bullet are preferred by two pairs. Further information is as follows:

- P and S visit Jaipur but do not like either KTM or Apache
- U does not go out with E. Both of them do not like Pulsar.
- D and C wants to go to Delhi and Kolkata respectively. The persons visiting Mumbai like the same bike as Q does.
- R goes out with F to Mumbai but does not like either Bullet or Apache.
- Q goes to Delhi and likes KTM.
- T does not go out either with A or B; he does not go to Kolkata; he likes neither Pulsar nor Bullet.

Answer & Explanation

P	A/B	JAIPUR	BULLET/PULSAR
Q	D	DELHI	KTM
R	F	MUMBAI	KTM
S	A/B	JAIPUR	BULLET/PULSAR
T	E	CHENNAI	APACHE
U	C	KOLKATA	BULLET

6. **Which bike does C like?**
   a) KTM
   b) Bullet
   c) Apache
   d) Pulsar
   e) None of these

   Answer

   Answer – **b) Bullet**

7. **If P goes out with A, who among the following likes Pulsar ?**
   a) Q

b) R
c) T
d) P
e) can't be determine

Answer

Answer – **e) can't be determine**

8. **Who went to Chennai?**
   a) RF
   b) UC
   c) QD
   d) TE
   e) None of these

   Answer

   Answer – **d) TE**

9. **Which bike does C like?**
   a) Apache
   b) Pulsar
   c) Bullet
   d) KTM
   e) None of these

   Answer

   Answer – **c) Bullet**

10. **Who among the following visits Kolkata?**
    a) C
    b) Q
    c) P
    d) U
    e) Both a and d

    Ans e

Eight friends P, Q, R, S, T, V, W and Z, out of whom one is a Pilot, Professor, Businessman, Doctor, Lawyer, Banker, Cricketer or an Architect (but not necessarily in the same order), are sitting among a circular table, facing the centre.

• S who is a banker sits third to right of Z

• The professor and the architect are immediate neighbors of each other, neither the professor the architect is an immediate neighbor of either Z or S.

• Cricketer and the pilot are immediate neighbors of each other. Neither Z nor W is a pilot.

• The one who is a professor sits second to the right of T who is a lawyer. V who is a cricketer is not an immediate neighbor of the banker.

• Only R sits between the professor and the doctor. P sits third to the right of the pilot

Questions:

1. Which of the following pairs represents the immediate neighbours of the doctor ?

1) Professor-businessman
2) Pilot - professor
3) Cricketer - businessman
4) Lawyer - architect
5) None of these

2. What is the position of the businessman with respect to the pilot?

1) Third to the left
2) Second to the left
3) Immediately to the right
4) Fourth to the right
5) Second to the right

3. Who sits third to the right of the professor ?

1) The banker
2) Q
3) The cricketer
4) The lawyer
5) None of these

4. Which of the following is true regarding R ?

1) He is a doctor
2) He is an immediate neighbour of the pilot
3) R sits between Q and T
4) He is an immediate neighbour of the professor
5) None is true

5. How many people sit between the 'banker' and 'W' when counted in anticlockwise direction from the banker?
1) None
2) One
3) Two
4) Three
5) Four

6. Who amongst the following is a pilot ?
1) P
2) Q
3) R
4) Z
5) None of these

7. What is the profession of Z ?
1) Businessman
2) Architect
3) Professor
4) Doctor
5) None of these

8. Who amongst the following sits exactly between T and Q ?
1) Cricketer
2) Architect
3) Professor
4) Doctor
5) Banker

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