# QUESTION PAPER -1

**QUANT Questions**

1. If a, b, c are in GP, then log a, log b and log c are in

a) AP

b) GP

c) HP

d) None of these

1. In an electronic store, the profit is 325% of the cost. If the cost increases by 25% but the selling price remains constant, approximately what percentage of the selling price is the profit?
2. 65
3. 70
4. 75
5. 60

1. The sum of the present ages of a father and his son is 50 years. 4 years ago, father’s age was six times the age of the son. After 7 years, son’s age will be:

(a) 12 years

(b) 17 years

(c) 18 years

(d) 16 years

1. Rama’s speed with the current is 25 km/hr and the speed of the current is 2.5 km/hr. His speed against the current is:

a) 30 km/hr.

b) 10 km/hr.

c) 20 km/hr.

d) 15 km/hr.

1. If 40% of a number is equal to two-third of another number, what is the ratio of

first number to the second number?

a) 2:5

b) 3:7

c) 5:3

d) 7:3

1. Find the G.C.D of 12x2y3z2, 18x3y2z4, and 24xy4z3

a) 6xy2z2

b) 6x3y4z3

c) 24xy2z2

d) 18x2y2z3

1. If Emma rows 15 km up the stream in 3 hrs and 21 km down the stream in 3 hrs, then find the speed of

the stream.

a) 4kmph

b) 6kmph

c) 2kmph

d) 1kmph

1. The difference between compound interest and simple interest on a sum for 1 year at 10% per

annum , when the interest is compounded annually is Rs 20. If the interest were compounded half

yearly , the difference in two interests would be :

1. Rs 10
2. Rs 5
3. Rs 8.75
4. Rs 9
5. Benjamin’s speed with the current is 20 kmph and the speed of the current is 3 kmph. His speed against the current is

a) 11 kmph

b) 18 kmph

c) 14 kmph

d)12 kmph

1. Consider three people A,B and C. Let A and B can finish a job in 21 days, B and C in 14 days and A and C in 28 days. Who will take the least time when working independently?

a) A

b) B

c) C

d) Can't be determined

1. A team of 8 students goes on an excursion, in two cars, of which one can seat 5

and the other only 4. In how many ways can they travel?

a) 9

b) 26

c) 126

d) 3920

**LOGICAL Questions**

**In each of these questions, two statements are followed by two conclusions A and B. Assume the given statements to be true, even if they are at variance with commonly known facts. Choose the correct alternative from among A, B, C and D given below:**

**A. If only conclusion A follows.**

**B. If only conclusion B follows.**

**C. If either A and B follows.**

**D. If neither A and B follows.**

**E. If both A and B follows.**

1. Statements:  
   All young scientists are open-minded.

No open-minded men are superstitious.

Conclusions:

A. No scientist is superstitious.

B. No young people are superstitious.

Choose the correct answer that logically follow the main statement.

1. Either Ravi cooks or Radha brings parcel.

a)Ravi cooks means Radha will not bring parcel.

b)Radha did not bring parcel means Ravi din’t cook.

c) Radha did not bring parcel hence Ravi cooked.

d) Ravi is cooking so Radha got parcel

**SERIES COMPLETION**

1. J-10 M-13 P-16 S-19 ??

a)V-22 b) U-22 c) W-21 d) W-22

**ANALOGY**

1. Hobble : progress : : \_\_\_\_\_\_\_\_\_\_ : \_\_\_\_\_\_\_\_\_\_\_
   1. Cripple : crutches
   2. Block : view
   3. Withstand : pain
   4. Assist : attempt
   5. Repay : debt

**DATA SUFFICIENCY**

1. Anusha and Poornima receive apples in the ratio 3:4 respectively. How many apples does Anusha receive?
2. Anusha gets 75% of the amount of apples that Poornima gets.
3. Poornima gets 20 apples.

|  |  |
| --- | --- |
|  | I alone is sufficient while II alone is not sufficient. |
|  | II alone is sufficient while I alone is not sufficient. |
|  | Either I or II is sufficient. |
|  | Neither I nor II is sufficient. |
|  | Both I and II are sufficient. |

**VERBAL QUESTIONS**

Give the synonym of the below given word

1. Glad
2. Broken
3. Happy
4. Open
5. Cool

PARAJUMBLE :

1. Arrange the sentences in proper sequence

1. Although car free day programs often execute but in fact the air pollution was not getting better, instead more increase than before.
2. The public transportation also makes the problem of pollution getting worse.
3. It proves that car free day program is not effective.
4. It is because there is so many motor vehicles plied the city road.
5. 1234
6. 1432
7. 1423
8. 1342

SENTENCE COMPLETION

1. One of our most essential abilities as humans-reading-is the product of a combination of \_\_\_\_\_\_\_ and learned traits.
2. **Extrinsic**
3. **Innate**
4. **Incidental**
5. **Estranged**
6. **Repugnant**

In the following questions choose the word which is the exact OPPOSITE of the given words.

1. FICKLE

|  |  |  |  |
| --- | --- | --- | --- |
| [A.](javascript:%20void%200;) | Changeable | [B.](javascript:%20void%200;) | little |
| [C.](javascript:%20void%200;) | cognizant | [D.](javascript:%20void%200;) | Clear |

1. CANDID
2. Bluff
3. Devious
4. Equal
5. Blunt

Give the synonym of the given word below

1. TALLOW

a) common

b) visual

c) smear

d) trade

**DATA INTERPRETATION**

**Q23 to Q27. Refer to the table below and answer the questions.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Production and consumption of Aluminium of major Asian countries** | | | | | | |
| **(in '000 tonnes)** | | | | | | |
|  | **Production** | | | **Consumption** | | |
|  | **1995** | **1996** | **1997** | **1995** | **1996** | **1997** |
| **Bahrain** | 122.1 | 121.4 | 122.8 | Not significant | | |
| **India** | 209.5 | 183.5 | 205.4 | 170 | 187.6 | 224 |
| **Iran** | 30.6 | 21.1 | 25.5 | 38.6 | 43.5 | 53.4 |
| **Japan** | 919.4 | 1188.2 | 1057.7 | 1608.1 | 1421.7 | 1655 |
| **South Korea** | 17.6 | 17.3 | 17.7 | 52.3 | 75 | 103.2 |
| **Taiwan** | 25.5 | 29.7 | 49.9 | 55.6 | 68.3 | 99 |
| **Turkey** | 35.5 | 51.3 | 32 | 68.1 | 78 | 45 |
|  |  |  |  |  |  |  |

1. The only Asian country which produced more Aluminium than it consumed for all the three years was:

A. Bahrain

B. India

C. Japan

D. South Korea

1. During which of the years was Asian Consumption of Aluminium less than its production (assume the total for the major countries as the total for Asia)?  
   1. 1995 2. 1996 3. 1997

A. 1 only

B. 2 only

C. 2 and 3

D. None of these

1. Which of the following Asian countries were self sufficient (production exceeds consumption) in Aluminium in 1996?

1. Bahrain 2. India 3. Japan

A. 1 only

B. 2 Only

C. 3 only

D. 1 and 2

1. Between 1995 and 1996, the production of Aluminium of the major Asian countries increased by approximately how many percent?

A. 30

B. 9

C. 19

D. 27

1. If the gap between consumption and production was bridged by imports, then, in 1997 which country's imports as a percentage of its production was highest?

A. India

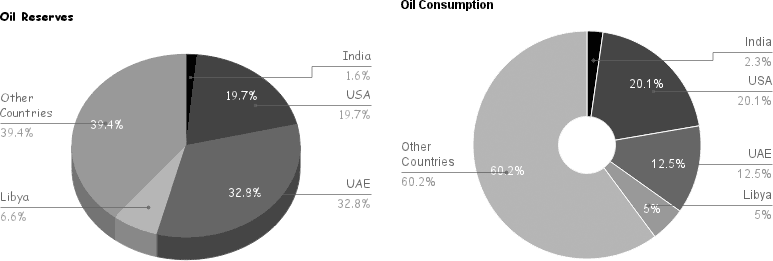
B. Iran

C. Taiwan

D. South Korea

**Directions for questions Q28 to Q32:**

**Answer the questions on the basis of the information given below .**



1. **If the oil reserves in USA is 394 bbl (billion barrels), what is the world reserve approximately?**A. 900bbl B. 1200bbl C. 1500bbl D. 2000bbl
2. **Assume Libya consumes 20 bbl per year and India produces 5 bbl new reserves every year. For how many years India reserves will last if the total world reserve is 2000 bbl?**A. 3.47 yrs B. 7.62yrs C. 9.52yrs D. 10.40yrs
3. **If the difference between UAE and Libya's consumption is  22.5 bbl, what is the approximate total consumption by countries other than India, USA, UAE and Libya?**A. 80bbl B. 120bbl C. 180bbl D. 250bbl
4. **If UAE exports twice the amount of it's oil consumption (which is on an average 3 bbl per month) and the average cost of a barrel is 90 USD, what is the total revenue per year via oil exports for UAE?**A. 2480 billion USD B. 3560 billion USD

C. 5690 billion USD D. 6480 billion USD

1. **Which country will deplete it's reserves assuming no import of oil and no new reserves being found?**A. UAE B. USA C. India D. Libya

**READING COMPREHENSION**

“Since wars begin in the minds of men”, so runs the historic UNESCO Preamble, “It is the minds of men that the defence of peace must be constructed.” Wars erupt out when the minds of men are inflamed, when the human mind is blinded and wounded, succumbs to frustration and self-negation. War is the transference of this self-negation into the other negation. He three Indo-Pak wars and the persisting will to terrorise have emanated from this savage instinct to other-negation that is the legacy of the partition carnage and its still bleeding and unhealed wound.

Truncated from its eastern wing in 1971, Pakistan ever since has suffered from a sense of total existential self-negation. Plus the scars left by the total two previously lost wars to India and Kargil fill the Army and the Pakistan psyche with a seething urge to revenge; that India has to be negated, destroyed-in a deep psychological sense, another Hiroshima in the subcontinent is imaginable and possible. Terrorism in Kashmir springs from such deep negating extensible grounds. Like the former Soviet Union, Pakistan came into being as a result of a grand delusion and massive perversion of reality- the so called two-nation theory. Like the former Soviet Union, it stands in danger of crumbling unle4ss it modifies its reality perception and comes to terms with its post-Bangladesh identity within the prevailing subcontinental equation. Failing this, Pakistan is bound to break up, nudging the region to a nuclear nightmare, including possible South Asian Hiroshimas.

With ‘hot pursuits’ and ‘surgical operations’ freely making rounds among the policy elite and the public at large, the national atmosphere looks ominously charged.”On the brink”, headlines *The Week* adding, “As men and machines are quickly positioned by India and Pakistan, the threat of war looms real”. O which Gen.Mushraff counters, “If any war is thrust on Pakistan, Pakistan’s armed forces and the 140 million people of Pakistan are fully prepared to face all consequences with all their might”. According to Indian Express, “Pakistan has deployed medium range ballistic missile batteries (MRBBs) along the Line of Control (LoC) near Jammu and Poonch sectors in the action that will further escalate the tension between two countries.” And India’s Defence Minister ups the ante, “We could take a nuclear strike, survive and then hit back, Pakistan would be finished”, Mr.Frenandes’s formulation is certainly a tactical super shot, even a strategical super hit inasmuch as this is the very logic of India’s ‘No-first-strike’ doctrine. The Defence Minister obviously has no idea of ethical, phenomenological implication of the abandoning chunks of the population of ransom for potential Hiroshimas and then ‘finishing’ the neighboring country of 140 million in what could be nothing short of an Armsgeddon. Forget these horrendous scenarios. But this does not repudiate the grain of truth foe which India’s civilization stood for and vindicated across the untold millennia of its history? Yet, Mr.Fernandes, the pacifist and Gandhian,is no warmonger. As Defence Minister he had to react at a level with the Pakistanis, with their proclivity to drop nuclear speak whenever that suited them, could have registered the message.

1. According to the passage, Pakistan is bound to disintegrate
2. and it will throw the subcontinent into a nuclear backlash.
3. if it refuses to accept its present identity.
4. if it does not stop fuelling terrorism in Kashmir.
5. I, II and III are correct
6. II and III are correct
7. I and II are correct
8. I and III are correct
9. It can be inferred from the passage that
10. Soviet Union crumbled as a result of the grand delusion of the two nation theory.
11. Soviet Union’s disintegration was due to her failure to accept the reality.
12. Soviet Union also came into being as a result of the two nation theory.
13. The ideological basis of creation of Soviet Union and Pakistan was the same.
14. According to the passage, the reason for terrorism in Kashmir is
    1. Pakistan’s blind faith in terrorism.
    2. Pakistan’s perception of two-nation theory.
    3. Pakistan’s sense of self-negation.
    4. Both (a) and (c).
15. According to the passage,all the following about the Defence Minister is not true
    1. He is not logical.
    2. He is not a Gandhian.
    3. He is a pacifist.
    4. He is not a warmonger.
16. Santosh's age after six years will be three-seventh of his father's age. Ten years ago the ratio of their ages was 1 : 5. What is Santosh's father's age at present?
17. 25
18. 50
19. 40
20. 45
21. Find the value of x if log x = - .

A) 144/324 B) 324/144 C) 36/ 24 D) 24/36

1. Nameth, Naresh,Naren and Narayan appear for a race which has three rounds. No two persons got the same position in any round. In 1st, 2nd and 3rd rounds Naresh, Naren and Nameth got the first position respectively. Each of Naren’s and Narayan’s positions did not change in the first and the third rounds. Narayan is placed two positions higher in the second round compared to the first round and he is always one position behind Naren. Which of the following statements gives the positions of all the found people in three rounds?  
   A. Nameth got 3rd position in 2nd round.  
   B. Naresh got 2nd position in 3rd round.  
   C. Narayan got 2nd position in 2nd round.  
   D. None of the above.
2. **The sum of 2 numbers is 30 and their product is 225. What will be the sum of their reciprocals?**
3. **1/30**
4. **2/15**
5. **15/4**
6. **15/7**