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QUANTS

1. milk-man has 300 litres of milk at a rate of Rs.19/lit. After adding 200 litres of water he sold 400 litres for Rs.20/lit and he added 10 liter of water to the remaining milk and sold it for Rs.15.What is his profit?
a. 3950
b. 3954
c. 3952
d. 3951
2. In a scheme, a pack of three soaps with MRP Rs.45 is available for Rs.42. If it still gives a profit of 5% to the shopkeeper, then the cost price of the pack is:
a. Rs.40
b. Rs.37
c. Rs.41
d. Rs.35
3. An air conditioner can cool the hall in 40 minutes while another takes 45 minutes to cool under similar conditions. If both air conditioners are switched on at same instance then how long will it take to cool the room approximately ?
A) 18 minutes B) 19 minutes C) 22 minutes D) 24 minutes
Answer: C) 22 minutes
4. How many litres of a 90% solution of concentrated acid needs to be mixed with a 75% solution of concentrated acid to get a 30L solution of 78% concentrated acid?
a. 24L
b. 22.5L
c. 6L
d. 17.5L

Correct Option Is : c

5. If from a deck of 52 cards, 4 cards are to be selected and one card of it should be a spade and another card should be heart, in how many ways can these cards be selected?
a. $13_2 * {}_{50}C_2$
b. ${}_{52}C_4$
c. $26 * {}_{50}C_2$
d. ${}_{13}C_4$
6. 1,3,7,10,11,12,17,? find out next number?
Sol: 3,7,10,11,12,17
sum of alternates -1 equal to next alternate number.
 $3+10-1=12$
 $7+11-1=17$
so the next number will be $10+12-1=21$

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7. Find the number of powers of 20 in 100!

8. $22n-1=1/8n-3$ find the n

9. 1 8, 12, 24, 60, ____

a. 120

b. 108

c. 142

d. 100

Correct Option is: b

10. Arrange $2/15$, $18/29$, $7/18$, $10/87$ in ascending order:

a. $2/15$, $18/29$, $7/18$, $10/87$

b. $18/29$, $7/18$, $10/87$, $2/15$

c. $10/87$, $2/15$, $7/18$, $18/29$

d. $2/15$, $18/29$, $10/87$, $7/18$

Correct Option is: c

11. The product of two numbers is 22806, the LCM is 552 and find the HCF?

a. 42

b. 41.315

c. 89

d. 20

12. Varun is guessing which of the 2 hands holds a coin. What is the Probability that varun guesses correctly 3 times?

a. $1/6$

b. $1/2$

c. $1/4$

d. $1/8$

13. A buys a car for Rs.1,00,000.... Sells to B for 20 profit, B sells to C at loss of 10% find the profit of A

14. 40 hens give 200 eggs in 2 days. 20 hens will give 400 eggs in how many days?

a. 30 days

b. 10 days

c. 8 days

d. 20 days

Correct Option is: c

15. Jagdish can build a wall in 10 days. Narender can build the same wall in 12 days while Sumit takes 15 days to do the same job. Which two of them should be employed to finish the job in 6 days?

a. Jagdish and Narender

b. Jagdish and Sumit

c. Sumit and Narender

d. None of the above

Correct Option is: b

16. what is the probability of non leep year ending with Tuesday

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17. HCF of two numbers is 11. And their LCM is 693. If one number is 77. Find the other number?
- 7
 - 9
 - 63
 - 99
18. The LCM and HCF of two numbers are 2970 and 30 respectively. Prime factors of the product of two numbers are:
- 2, 3, 5, 11
 - 2, 3, 7, 11
 - 2, 4, 5, 11
 - 2, 3, 7, 13
19. On a festival season, a shopkeeper increases his products at rate of 35% and gives two discounts 10% and 15% respectively. What profit or loss would the shopkeeper get at the end?
- 5.27 %loss
 - 3 %gain
 - 3.275% gain
 - 8% loss
 - 2 % loss
20. $235/5$ find the remainder
21. if 36000 is split, among AB,C A:B::6:4, B:C::8:9 what is the C proportion

LOGICAL

- 1) SKILLFUL is written as LTMJGMMV, How is STATED written
- 2) Pointing a man on photograph, another man said, 'He is the father of my daughter's son'. How is the man in the photograph to him?
- Brother
 - Son in law
 - Father
 - Son
- Correct Option is: b
- 3) A is the only brother of B. P is the only nephew of B. How is P related to A?
- Son
 - Daughter
 - Brother
 - Can't say
- Correct Option is: a
- 4) 10, 7, 14, 10, 18 , ____
- 11

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- b. 13
- c. 22
- d. 5

Correct Option is: b

5) logical order:

Interview, call letter, application, advertisement

6) Key, door, light ON, lock, room

7) Computer, program, files, paint

8) Read the passage and answer the question based on the information given

A, B, C, D and E are five friends in a class. They have their birthday dates from Jan to May.

i) Each friends are born in one of these months ii) Each one likes one particular item for his/her birthday out of rice, mutton, chicken, burger and pizza iii) The one who likes pizza is born on March iv) C does not likes pizza but brings rice for D in April v) E who is fond of burger, is born in the next month immediately after B vi) B does not like burgers or mutton

A. Which is the choice of A?

- a. Burger
- b. Pizza
- c. Chicken
- d. Rice

Correct Option is: b

B. Which of the following is true for B?

- a. Chicken, January
- b. Chicken, February
- c. Pizza, January
- d. Pizza, February

Correct Option is: a

C. In which month was E born

- a. January
- b. February
- c. March
- d. April

Correct Option is: b

9) 8 people namely A S D F G H J and K are sitting around the table facing the center of table. D is facing NORTH EAST and G is sitting 3 position away from D in clockwise direction. J is sitting adjacent to B and opposite to A. A is sitting adjacent to S on his right. K is sitting adjacent to S and F is not sitting opposite to D. Which direction A is facing?

option: south, west, east, North

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10) Rakson is the brother of the Akshay grandmother . How Rakson related to akshay.

1. Read the passage and answer the questions given below

The impressive recent growth of certain sectors of the Indian economy is a necessary but insufficient condition for the elimination of extreme poverty.

In order to ensure that the poorest benefit from this growth, and also contribute to it, the expansion and improvement of the microfinance sector should be a national priority.

Researchers tell us that in Bangladesh, where 15 million families now benefit from small loans and other financial products such as micro-savings and micro-insurance, 40% of the overall reduction of rural poverty in recent years has been due to microfinance.

Two other studies suggest that the impact of microfinance on the poorest is greater than on the poor, and yet another that non-participating members of communities where microfinance operates experience socio-economic gains - suggesting strong spillover effects. Moreover, well-managed microfinance institutions (MFIs) have shown a capacity to wean themselves off of subsidies and become sustainable within a few years.

Microfinance is powerful, but it is clearly no panacea. Microfinance does not directly address some structural problems facing Indian society and the economy, and it is not yet as efficient as it will be when economies of scale are realised and a more supportive policy environment is created. Loan products are still too inflexible, and savings and insurance services that the poor also need are not widely available due to regulatory barriers

Still, microfinance is one of the few market-based, scaleable anti-poverty solutions that is in place in India today, and the argument to scale it up to meet the overwhelming need is compelling. According to Sa-Dhan, the overall outreach is 6.5 million families and the sector-wide loan portfolio is Rs 2,500 crore. However, this is meeting only 10% of the estimated demand. Importantly, new initiatives are expanding this success story to the some of the country's poorest regions, such as eastern and central Uttar Pradesh.

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The local and national governments have an important role to play in ensuring the growth and improvement of microfinance. First and foremost, the market should be left to set interest rates, not the state. Ensuring transparency and full disclosure of rates including fees is something the government should ensure, and something that new technologies as well as reporting and data standards are already enabling. Furthermore, government regulators should set clear criteria for allowing MFIs to mobilise savings for on-lending to the poor; this would allow for a large measure of financial independence amongst well-managed MFIs. Each Indian state could consider forming a multi-party working group to meet with microfinance leaders and have a dialogue with them about how the policy environment could be made more supportive and to clear up misperceptions.

There is an opportunity to make a real dent in hard-core poverty through microfinance. By unleashing the entrepreneurial talent of the poor, we will slowly but surely transform India in ways we can only begin to imagine today.

A. What is the author view about interest rate?

- 1) the goverment should set them
- 2) there should be transparency with regard to them
- 3) the market forces should set them
- 4) both a and b
- 5) both b and c

Correct Option is: 4

B. Which of following is correct with regard to microfinance?

- 1) the supply is more than demand
- 2) the demand is more than supply
- 3) the supply and demand are well balanced
- 4) none of these can be inferred from the passage

Correct Option is: 2

C. Which of following will the author agree to ?

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- 1) Indian economy growth will solve the problem of poverty.
- 2) Indian economy growth is not enough to solve the problem of poverty
- 3) Indian economy growth aggravates the problem of poverty
- 4) none of these

Correct Option is: 2

D. Which of the following is not a challenge faced by microfinance in India?

- 1) does not help the poorest
- 2) efficient when economy of scale is achieved
- 3) non-conductive policy environment
- 4) structural problems of Indian society

Correct Option is: 1

Rohit brushed quickly past an elderly woman waiting on the platform ahead of him to get onto the metro. He wanted to be sure to get a seat to read his Economic Times. As the train rolled out of the station, he lifted his head from the newspaper and stared at the man directly across from him.

A tsunami - of antipathy came over him. Rohit knew this man, knew him all too well.

Their eyes locked.

As the train reached full speed, the ruckus of speeding wheels against the winding rails and a wildly gyrating subway car filled Rohit's ears. To this frenetic beat, Rohit effortlessly listed in his head all the reasons this man, whose eyes he stared coldly into, was an anathema to him.

He had climbed the upper echelons of his firm using an imperious manner with his subordinates, always making sure everyone knew he was the boss.

Despite his impoverished upbringing, he had become ostentatious. Flush with cash from the lucrative deals he had made, he had purchased a yacht

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and a home in Mumbai. He used neither. But, oh, how he liked to say he had them. Meanwhile, Rohit knew, this man's parents were on the verge of being evicted from their run-down tenement apartment in Allahabad

What bothered Rohit most about this man was that he never even attempted to make amends for his evil ways.

Could this man change? Rohit did not know. He could try though.

The train screeched to Rohit's stop. He gave the man one last hard look. "See you around," he mumbled to himself. And he knew he would, because Rohit had been glaring at his own reflection in the glass in the metro.

It would take years of hard work and therapy, but Rohit would one day notice this man again on the train and marvel at what a kinder person he had become.

A. What does it mean to have an imperious manner with underlings?

- 1) To ignore them
- 2) To be stoic around them
- 3) To openly humiliate them
- 4) To not be affected by them
- 5) To be domineering towards them

Correct Option is: 5

B. Why did a tsunami of antipathy come over Rohit?

- 1) Because he was angry at himself and unable to stand looking at himself
- 2) Because the man sitting across him was his former boss who treated him badly
- 3) Because he wanted to read his newspaper and not be disturbed, especially by someone he disliked
- 4) Because the guy sitting across him was financially better off than Rohit

Correct Option is: 3

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C. what was the biggest reason (stated or implied) for Rohit disliking the man in the metro?

- 1) The man was known to be extremely rude and domineering especially with his subordinates
- 2) The man was remorseless and had not made any effort to reform himself for the better
- 3) The man did not bother to take care of his parents who were on the verge of being evicted from their humble dwelling
- 4) The man did not have respect for things or money and while people did not have a place to stay, he had bought a flat which he did not even use

Correct Option is: 3

D. which statement makes most sense from what is said in the paragraph?

- 1) Rohit has few friends
- 2) Rohit knows himself well
- 3) Rohit has had a difficult life
- 4) Rohit is incapable of change

Correct Option is: 3

2. Read the passage and answer the questions given below

From the dawn of time, people have suspected powerful forces lurking deep in the oceans, from the Greeks' fearsome sea-god Neptune to John Wyndham's submarine aliens in his 1950s novel *The Kraken Wakes*. But science is once again going one better than science fiction. Researchers are discovering that hidden 'rivers' run through the oceans, and these powerful currents hold the destiny of our planet's climate.

The beneficial aspects of ocean currents have long been known. For countries on the east side of the Atlantic, winters are a balmy holiday compared with the same latitudes on the west: the frigid coasts of Newfoundland and Labrador. It's a reminder that "weather" is not just a matter of the Sun's heat affecting the Earth's atmosphere. The world's interconnected oceans can store up solar heat in one part of the globe in one season, and invisible rivers in the ocean can transport the warmth

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thousands of kilometres to another part of the globe and deliver it in another season.

In the case of the North Atlantic, heat is carried northward and eastward by the Gulf Stream. This current warms the coast evenly through the year, in winter as well as summer. Averaged over a year, the Gulf Stream provides Western Europe with a third as much warmth as the Sun does.

This ocean warmth is so important to Europe that climatologists are seriously concerned about the stability of the Gulf Stream. If it switched off, Europe would be plunged into a mini-Ice Age. And current studies suggest that the unseen river in the North Atlantic is dangerously fickle.

The focus of today's worries is the problem of global warming - the way that human activities are changing the climate, as the world gets warmer through the build-up of so-called greenhouse gases, such as carbon dioxide. Climatologists think that global warming may put the brakes on the Gulf Stream. While the rest of the world comes to swelter in greenhouse conditions, Europe would freeze!

This concern is based on a new understanding of how the great ocean currents are all interconnected. The Gulf Stream is part of a giant pattern of moving water that stretches right around the globe.

A. Which of the following statements are correct about Gulf stream?

- 1) It is a ocean which spreads warmth evenly across the coast
- 2) Solar heat is carried in North-East direction
- 3) It is a part of giant pattern of moving water around the world
- 4) Both 1 and 3

Correct Option is: 4

B. What are the main concerns of climatologists?

- 1) The entire planet will be warmer with increase in global warming
- 2) Green house gases can change direction of ocean currents
- 3) Interconnection of currents can be harmful for oceanic life
- 4) Global warming can stop the flow of Gulf stream

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Correct Option is: 4

C. What is the possible meaning of 'fickle'?

- 1) constant flow in one direction
- 2) likely to change due to instability
- 3) modify under extreme conditions
- 4) fixed at one place

Correct Option is: 2

D. What is the role of ocean currents in maintaining the weather conditions?

- 1) It helps in maintaining cold temperature in warmer regions
- 2) It balances the effect of sun's heat
- 3) It stores heat and warms distant places
- 4) Unpredictable currents can create an imbalance in water temperature

Correct Option is: 3

Synonym
Vogue –
Vent _
Antonyms
Santised
Triggered

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