# QUESTION PAPER -4

QUANT QUESTIONS

1. Find the greatest number of five digits, which is exactly divisible by 7, 10, 15, 21 and 28.

1. 99840
2. 99900
3. 99960
4. 99990
5. A man sitting in a train which is travelling at 50 kmph observes that a goods train, travelling in opposite direction, takes 9 seconds to pass him. If the gods train is 280 m long, find its speed
   1. 60 kmph
   2. b. 62 kmph
   3. c. 50 kmph
   4. d. 112 kmph
6. Panchapakesan and his wife Swarnamalya are harvesting apples. Panchapakesan can pluck one apple in 15 minutes and Swarnamalya can pluck one apple in 12 minutes. Their daughter Rupasri takes 20 minutes to eat an apple and she eats all day. How many apples will they be able to sell to the market, if they work from 6 am to 6 p.m.?   
   A.24 B. 30 C. 36 D. 42
7. Suma travels in a boat with a speed of 13 km/hr in still water. Speed of the stream is 4 km/hr. Find the time taken by Suma to go 68 km down the stream.
8. 3 hrs.
9. 2 hrs.
10. 4 hrs.
11. 5 hrs.
12. Krishna’s father was 40 years old when he was born while his mother was 35 years old. Then his brother 3 years younger to him was born. What is the difference between the ages of his parents?
    1. 2 years
    2. 4 years
    3. 6 years
    4. 8 years
13. When 25% is lost in grinding spices, India can export 30 lakh tons of it. On the other hand, if 20% is lost in grinding, it can export 40 lakh tons of spices. The production of spices in the country is:
14. 100 lakh tons
15. 200 lakh tons
16. 300 lakh tons
17. 400 lakh tons
18. How many alphabets need to be there in a language if one were to make 1 million distinct 3 digit initials using the alphabets of the language?

A. 26

B. 50

C. 100

D. 1000

1. If the first two terms of a HP are 2/5 and 12/13 respectively, find the 13th term.
   * 1. 13.5
     2. -14.5
     3. 14.5
     4. None of these
2. In a bag, there are coins of 25 p, 10 p and 5 p in the ratio of 1 : 2 : 3. If there is Rs. 30 in all, how many 5 p coins are there?
3. 50
4. 100
5. 150
6. 200
7. Mr .Sachin invested money in two schmes A and B offering compound interest @ 8 p.c.p.a and 9 p.c.p.a respectively. If the total amount of interest accured through two schemes together in two years was Rs 1990 and the total amount invested is 25000 what was the amount invested in scheme A ?
   1. 12500
   2. 12000
   3. 13000
   4. 13500
8. A train 360 m long is running at a speed of 45 kmph. In what time will it pass a bridge 140 m long ?
9. 40 sec
10. 42 sec
11. 45 sec
12. 48 sec

**LOGICAL**

**SERIES COMPLETION :**

1. G J L O Q ?
   1. R
   2. T
   3. U
   4. V

Choose the correct answer that logically follow the main statement.

1. My team plays well only if the opponent is honest.
   1. my team plays well.
   2. the opponent is not honest.
   3. my team will not play well.
   4. the opponent is honest
      1. bc
      2. da
      3. cd
      4. ab

**ANALOGY**

1. Knight : chivalrous : : \_\_\_\_\_\_\_\_ : \_\_\_\_\_\_\_\_\_
   1. Flower : fragrant
   2. Daughter : rebellious
   3. Conversation : short
   4. Disease : curable

**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**

15. Statements:  
All branches are flowers.

All flowers are leaves.

Conclusions:

I. All branches are leaves.

II. All leaves are branches.  
III. All flowers are branches.  
IV. Some leaves are branches.  
  
A. None follows

B. Only I and IV follow

C. Only II and III follow

D. All follow

**DATA SUFFICIENCY**

16.How many bats were sold in the sports shop this year?

1. Last year, 1335 bats were sold.
2. This year’s sale was 1.4 times the last year’s sale.

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| 1. I alone is sufficient while II alone is not sufficient. |
| 1. II alone is sufficient while I alone is not sufficient. |
| 1. Either I or II is sufficient. |
| 1. Neither I nor II is sufficient. |
| 1. Both I and II are sufficient.   **VERBAL QUESTION**  Give the synonym of the following word below     1. Shy 2. Timid 3. Silent 4. Early 5. Strange   SENTENCE COMPLETION    18.Shane has been agreeably surprised by the \_\_\_\_\_\_ with which Melbourne pet owners and their vets have \_\_\_\_\_his services.   1. Stupor…entreated 2. Hebetude…pursued 3. Alacrity…sought 4. Indolence….solicited 5. Gaiety…endeavored   PARAJUMBLE:  19.   1. Realizing the danger, we must plant trees in large number to absorb impure air. 2. Impure water from industries can be sent back for purification and then it can be used for irrigation purpose. 3. We have also I minister to look after the environment. 4. Environment pollution is a serious menace to our existence. 5. Our government is well aware of the fact and is taking steps to save environment from pollution.    * 1. 41253      2. 12354      3. 42135      4. 32145   In the following questions choose the word which is the exact OPPOSITE of the given words.   1. MERCY 2. Affection 3. Amity 4. Malevolence 5. Lenity   21.ELATED   1. Upset 2. Peppy 3. Snappy 4. Zestful   **DATA INTERPRETATION**  **The following pie chart shows the amount of subscriptions generated for the India Bonds from different categories of investors.  22. What should be the degree of the region represented by ‘Corporate Houses’?** A. 122.4 B. 122.8 C. 121.8 D. 122.0  **23. If the investments by NRIs are Rs 4000 crore, then the investment by corporate houses and FIIs together is:** A. 24000 crore B. 24,363 crore C. 25,423.4 crore D. 25,643.3 crore      **24. What is the approximate ratio of investments made by NRIs to that of corporate houses?** A. 1:4 B. 1:3 C. 3:1 D. None of these  **25.If the total investment other than FII and corporate houses is Rs 335,000 crore, then the investment by NRIs and Offshore funds will be (approximately):** A. 274,000 B. 285,000 C. 293,000 D. Cannot be determined.  **Directions for questions 26 to 29.**  **Answer the questions on the basis of the formation given below. A study was conducted to ascertain the relative importance that employees in five different countries assigned to five different traits in their Chief Executive Officers. The traits were compassion (C), decisiveness (D), negotiation skills (N), public visibility (P), and vision (V). The level of dissimilarity between two countries is the maximum difference in the ranks allotted by the two countries to any of the five traits. The following table indicates the rank order of the five traits for each country.**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | **COUNTRY** | | | | | | **RANK** | **India** | **China** | **Japan** | **Malaysia** | **Thailand** | | 1 | C | N | D | V | V | | 2 | P | C | N | D | C | | 3 | N | P | C | P | N | | 4 | V | D | V | C | P | | 5 | D | V | P | N | D |   **26.Which of the following pairs of countries are most dissimilar?** A. China and Japan  B. India and China C. Malaysia and Japan  D. Thailand and Japan  **27Which of the following countries is least dissimilar to India?** A. China  B. Japan  C. Malaysia  D. Thailand  **28. Which amongst the following countries is most dissimilar to India?** A. China  B. Japan C. Malaysia  D. Thailand  **29.Three of the following four pairs of countries have identical levels of dissimilarity. Which pair is the odd one out?** A. Malaysia and China  B. China and ThailandC. Thailand and Japan  D. Japan and Malaysia |

**READING COMPREHENSION**

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**Misreading Inflation**

Recent data release on inflation has led to cheer. Headline inflation in December, as measured at wholesale or retail level, has fallen in relation to the previous month mainly on account of vegetable prices tumbling. Has the battle against inflation seen a decisive turn and is the cheer justified? No. Sift the data and signs are worrisome. Even as economic growth slows to a decade-low, retail or consumer inflation remains persistently high even after removing the effects of food and fuel. Other items such as housing, education and commuting are also driving inflation. This is perhaps the worst spell of inflation we have seen in two decades and it's not just about food.   
  
To get a sense of why it's important to look at more than just food to understand what the current spell of inflation is doing to family budgets, consider what's happening in education. Inflation of education was 8.6% in December, the highest in six months. It has been creeping up over this period. Anecdotal evidence shows that across all household categories spending on education has been going up as it's the best way to ensure the next generation leads a better life. Pratham Education Foundation's annual education report shows rural India saw 29% of children enrolling in private primary schools in 2013, a 12 percentage point increase over eight years. In a poor state like UP, it was close to 50%, which gives a sense of how persistent inflation acts as drag on families seeking a better life for their children.   
  
Given the long spell of inflation, it's puzzling when people still wonder if RBI has the toolkit to combat inflation. RaghuramRajan never seems to tire of reminding people that regardless of the source, inflation comes when demand exceeds supply. What better tool than interest rates to calibrate aggregate demand? For sure, interest rate is a blunt tool, and RBI has to walk a tightrope between fighting inflation and minimizing the impact of monetary tightening on a fragile economy. Unfortunately, we don't have the luxury of easy solutions.   
  
Rajan has a challenging task crafting monetary policy. The effect of the last two rounds of interest rate increases has probably not yet shown up fully in the economy. But it would be wrong to for us to believe the battle's been won and for RBI to ease up.

30 What does the author consider about the state of inflation prevailing in the country at the time?

1. The level of inflation is slowly creeping up and its effects are seen on a long term basis.
2. The inflation rate is decreasing ad compared to the previous months, it has fallen.
3. The data about inflation has been misread and though the inflation rates seem to be falling with respect to one commodity, it is a different case with some other commodity.
4. The economic growth of the country at present is developing irrespective of the prominent inflation rates.
5. The situation is favorable to the public as there is a decrease in the prices of wholesale or retail level commodities.

31. Even as economic growth slows to a decade low, retail or consumer inflation remain

Persistently high even after removing the effects of food and fuel. By this the author means

that:

1. Food and fuel are the only causes of excessive inflation in the country.
2. Inflation has no effects on the prices of food and fuel.
3. Food and fuel are not the only factors causing inflation and that there are other prominent factors.
4. Economic growth of the country is at a decade low because of the food and fuel prices.
5. Inflation is not related to the economic growth the country.

32. What does the author consider to be the major indicator of inflation.

1. Food and fuel prices.
2. Educational expenses.
3. Transportation
4. Effect of each varies depending on the condition of the economy.
5. It is due to the combined effect of each of the factors.

33. Educational inflation has increased due to what reasons according to the author.

1. The price of education has gradually increased al par with other expenses.
2. The demand for education has grown considering the general assumption that education children lead better lives.
3. Increase in number of educational institutes has affected the quality of education.
4. More children are enrolled in educational institutes leading to increase in prices.
5. Educational institutes have no effect on inflation

34. What is the probability of getting at least one six in a single throw of three unbiased dice?  
  
a) 1 / 6  
b) 125 / 216  
c) 1 / 36  
d) 91 / 216

35**.** What is the probability that a two digit number selected at random will be a multiple of '3' and not a multiple of '5'?

1. 2/15.
2. 4/15.
3. 1/15.
4. 4/90.

36. An error 5% in excess is made while measuring the side of a square. What is the percentage of error in the calculated area of the square?

1. 5.25
2. 7.25
3. 9.25
4. 10.25

37**.** 14. If log 2 = 0.3021 find the value of log10256 – 3log102 +log10 64.

A) 2.6 E-2 B) 2.7E-3 C) 2.5E-5 D) 2.6E-6

38**.** Find the fifth term in this series: BCYX, EFVU, HISR, KLPO

1. NOML
2. NOLM
3. ONML
4. ONLM

39. Yash crosses a 400 m long street in 4 minutes. What is his speed in km per hour?

(a)5/3 (b)36 (c)6 (d)6.1

40. Deepak said to Nitin, "That boy playing with the football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Deepak?

A. Son B. Brother

C. Cousin D. Brother-in-law