**Aptitude Test**

**Duration: 45 min**

1. Marathon is to race as hibernation is to
2. Winter B. Bear

C. Dream D. Sleep

1. Reptile is to lizard as flower is to
2. petal B. stem

C. daisy D. alligator

1. Play is to actor as concert is to
2. symphony B. musician

C. Piano D. percussion

1. Candid is to indirect as honest is to

A. frank B. wicked

C. truthful D. untruthful

1. PFINCH : BIRD

A. frog :toad B. elephant : reptile

C. Dalmatian : dog D. ant : ladybug

1. What least number must be added to 1056, so that the sum is completely divisible by 23 ?
2. 2 B. 3

C. 18 D. 21

1. (935421 x 625) = ?
2. 575648125 B. 584638125

C. 584649125 D. 585628125

1. On dividing a number by 357, we get 39 as remainder. On dividing the same number 17, what will be the remainder ?
2. 0 B. 3

C. 5 D. 11

1. In dividing a number by 585, a student employed the method of short division. He divided the number successively by 5, 9 and 13 (factors 585) and got the remainders 4, 8, 12 respectively. If he had divided the number by 585, the remainder would have been
2. 24 B. 144

C. 292 D. 584

1. What smallest number should be added to 4456 so that the sum is completely divisible by 6 ?
2. 4 B. 3

C. 2 D. 1

1. What least number must be subtracted from 13601, so that the remainder is divisible by 87 ?
2. 23 B. 31

C. 29 D. 37

1. A is 30% more efficient than B. How much time will they, working together, take to complete a job which A alone could have done in 23 days?

A. 11 days B. 13 days

C. 21 days D. None of these

13) 4 men and 6 women can complete a work in 8 days, while 3 men and 7 women can complete it in 10 days.

In how many days will 10 women complete it?

A. 35 B. 40

C. 45 D. 50

14) Two, trains, one from Howrah to Patna and the other from Patna to Howrah, start simultaneously. After they

meet, the trains reach their destinations after 9 hours and 16 hours respectively. The ratio of their speeds is

A. 2:3 B. 4:3

C. 6:7 D. 9:16

15) Two trains running in opposite directions cross a man standing on the platform in 27 seconds and 17

seconds respectively and they cross each other in 23 seconds. The ratio of their speeds is:

A. 1:3 B. 3:2

C. 3:4 D. None of these

16) Two trains are moving in opposite directions @ 60 km/hr and 90 km/hr. Their lengths are 1.10

km and 0.9 km respectively. The time taken by the slower train to cross the faster train in seconds is: A. 36 B. 45

C. 48 D. 49

17) Mr. Thomas invested an amount of Rs. 13,900 divided in two different schemes A and B at the simple

interest rate of 14% p.a. and 11% p.a. respectively. If the total amount of simple interest earned in 2 years

be Rs. 3508, what was the amount invested in Scheme B?

A. Rs.6400 B. Rs.6500

C. Rs.7200 D. Rs.7500

18) A lent Rs. 5000 to B for 2 years and Rs. 3000 to C for 4 years on simple interest at the same rate of

interest and received Rs. 2200 in all from both of them as interest. The rate of interest per annum is:

A. 5% B. 7%

C. 8% D. 10%

19) A man took loan from a bank at the rate of 12% p.a. simple interest. After 3 years he had to pay Rs. 5400

interest only for the period. The principal amount borrowed by him was:

A. Rs.2,000 B. Rs.10,000

C. Rs.15,000 D. Rs.20,000

20) A sum of money amounts to Rs. 9800 after 5 years and Rs. 12005 after 8 years at the same rate of simple I

interest. The rate of interest per annum is:

A. 5% B. 8%

C. 12% D. 15%

21) A person borrows Rs. 5000 for 2 years at 4% p.a. simple interest. He immediately lends it to another person

at 6https://www.indiabix.com/_files/images/aptitude/1-div-1by4.gif p.a for 2 years. Find his gain in the transaction per year.

A. Rs.112.50 B. Rs.125

C. Rs. 150 D. 167.50

22) An automobile financier claims to be lending money at simple interest, but he includes the interest every six

months for calculating the principal. If he is charging an interest of 10%, the effective rate of interest

becomes:

A. 10% B. 10.25%

C. 10.5% D. None

23) Present ages of Sameer and Anand are in the ratio of 5 : 4 respectively. Three years hence, the ratio of their

ages will become 11 : 9 respectively. What is Anand's present age in years?

A. 24 B. 27

C. 40 D. Cannot be determined

24) A man is 24 years older than his son. In two years, his age will be twice the age of his son. The present age

of his son is:

A. 14 years B. 18 years

C. 20 years D. 22 years

25) Six years ago, the ratio of the ages of Kunal and Sagar was 6 : 5. Four years hence, the ratio of their ages

will be 11 : 10. What is Sagar's age at present?

A. 16 years B. 18 years

C. 20 years D. None

26) At present, the ratio between the ages of Arun and Deepak is 4 : 3. After 6 years, Arun's age will be 26

years. What is the age of Deepak at present ?

A. 12 years B. 15 years

C. 19 years D. 21 years

27) Q is as much younger than R as he is older than T. If the sum of the ages of R and T is 50 years, what is

definitely the difference between R and Q's age?

A. 1 years B. 2 years

C. 25 years D. Data Inadequate

28) A train 125 m long passes a man, running at 5 km/hr in the same direction in which the train is going, in 10

seconds. The speed of the train is:

A. 45 km/hr B. 50 km/hr

C. 54 km/hr D. 55 km/hr

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| 29) Reena took a loan of Rs. 1200 with simple interest for as many years as the rate of interest. If she paid Rs. |

432 as interest at the end of the loan period, what was the rate of interest?

A. 3.6 B. 6

C. 18 D. None

30) JAUNDICE : LIVER

A. rash : skin B. dialysis : kidney

C. smog : lung D. imagination : brain

31) Yard is to inch as quart is to

A. Gallon B. Ounce

C. Milk D. liquid

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| 32) rule | Command | dictate |
| doze | Sleep | ? |

A. Snore B. Govern

C. Awaken D. Hibernate

33)**Statement:**A warning in a train compartment - "To stop train, pull chain. Penalty for improper use Rs 500."

**Assumptions:** Some people misuse the alarm chain.

On certain occasions, people may want to stop a running train.

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| A. Only assumption I is implicit |
| 1. Only assumption II is implicit |
| 1. Either I or II is implicit |
| 1. Both I and II are implicit   34) **Statement:**Why don't you invite Anthony for the Christmas party this year?   1. **Assumptions:** Anthony is not from the same city.   Unless invited Anthony will not attend the party  .   |  |  | | --- | --- | |  | 1. Only assumption I is implicit | |  | 1. Only assumption II is implicit | |  | 1. Either I or II is implicit | |  | 1. Neither I nor II is implicit   35) **Statement:**If you are an engineer, we have a challenging job for you.   1. **Assumptions:** We need an engineer.   You are an engineer.   1. Only assumption I is implicit 2. Only assumption II is implicit 3. Both I and II are implicit 4. Either I or II is implicit   36) Here are some words translated from an artificial language.  *godabim* means kidney stones  *romzbim* means kidney beans  *romzbako* means wax beans  Which word could mean "wax statue"?  A. godaromz B. Lazbim  C. wasibako D. romzpeo  37) Here are some words translated from an artificial language.  *myncabel* means saddle horse  *conowir* means trail ride  *cabelalma* means horse blanket  Which word could mean "horse ride"?  A. Cabelwir B. conocabel  C. Almamyn D. conoalma  38) How much time will it take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple  interest?  A. 3.5 years B. 4 years  C. 4.5 years D. 5 years  39) Here are some words translated from an artificial language.  *plekapaki* means fruitcake  *pakishillen* means cakewalk  *treftalan* means buttercup  Which word could mean "cupcake"?  A. shillenalan B. treftpleka  C. Pakitreft D. Alanpaki  40) B2CD, \_\_\_\_\_, BCD4, B5CD, BC6D  A. B2C2D B. BC3D  C. B2C3D D. BCD7  41) 6 10 14 18 22 26 30  A. 36 40 B. 33 37  C. 34 36 D. 34 38  42) Look at this series: 22, 21, 23, 22, 24, 23, ... What number should come next?  A. 22 B. 24  C. 25 D. 26  43) ELFA, GLHA, ILJA, \_\_\_\_\_, MLNA  A. OLPA B. KLMA  C. LLMA D. KLLA  44) It is being given that (232 + 1) is completely divisible by a whole number. Which of the following numbers is  completely divisible by this number?  A. (216 + 1) B. (216 - 1)  C. (7 x 223) D. (296 + 1)  45) Which of the following is a prime number ?  A. 33 B. 81  C. 93 D. 97  46) What is the unit digit in {(6374)1793 x (625)317 x (341491)}?  A. 0 B. 2  C. 3 D. 5  47) A sum of money amounts to Rs. 9800 after 5 years and Rs. 12005 after 8 years at the same rate of simple  interest. The rate of interest per annum is:  A. 5% B. 8%  C. 12% D. 15%   |  |  |  | | --- | --- | --- | | 48) apples | fruit | supermarket | | novel | book | ? |   A. bookstore B. magazine  C. vegetable D. shopping  49) A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200.  With the help of C, they completed the work in 3 days. How much is to be paid to C?  A. Rs.375 B. Rs.400  C. Rs.600 D. Rs.800  50)  https://www.indiabix.com/_files/images/logical-reasoning/5-91-q-1.png  A. 1 B. 2  C. 3 D. 4 | |  |  | |
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