

Wipro Selection Process:

The selection process of the company consists of 3 rounds. These rounds are as follows:

Written Exam

Technical Interview

HR Interview

Pattern of Written Exam:

The Wipro test Pattern contains the following sections:

Testing Areas	No. of Questions	Time Limit (in minutes)
Quant	16	16
Reasoning	14	14
Verbal	25	25
Technical	15	15
Essay Writing	1	25
Total		95

The total time allotted to the written exam is 95 minutes. There is no negative marking in the paper.

Verbal section consists of short reading comprehension passages. This section also consists of basic grammar usage questions like fill in the blanks, synonyms, antonyms, paragraph completion, error based, sentence completion , etc.

Quantitative Ability section consists of questions from the topics like algebra, time & work, time, speed & distance, arithmetic, percentages, profit & loss, geometry, etc. This section is of moderate level.

Reasoning section consists of questions based on puzzles, blood relations, statements & arguments, coding decoding, data interpretation, data sufficiency, number series etc.

Technical section involves questions from subjects like Data structure, Operating System, C & C++ programming, JAVA, LINUX, Optical Fibre, DBMS, Microprocessors, Networks, SQL, etc. This section is of higher difficulty level. A person whose basics are clear could easily excel in this section.

Essay Writing section is based on any situation or scenario which contains minimum 250 word limit. It is also a computer based test.

If 15 pens costs Rs.90..then what will be the cost of 22pens?

- ☐ A. 132
- ☐ B. 133
- ☐ C. 134
- ☐ D. 135

Question No : 2

9 laboures can complete the construction of a wall in 18 days. How many less days will 12 laboures take to complete the same wall?

- ☐ A. 2.5
- ☐ B. 4.5
- ☐ C. 13.5
- ☐ D. 0.5

Question No : 3

The rectangle box with square base is open at the top. The maximum volume of the box made from 1200 m² tin,in m³ is:

- ☐ A. 2000
- ☐ B. 2500
- ☐ C. 3000
- ☐ D. 4000

Question No : 4

A person was fined for exceeding the speed limit by 10 km/hr. Another person was also fined for exceeding the same speed limit by twice the same. If the second person was traveling at a speed of 35km/hr,find the speed limit.

- ☐ A. 19 km/hr
- ☐ B. 27 km/hr
- ☐ C. 30 km/hr
- ☐ D. 15 km/hr

Question No : 5

The difference between the compound and simple interest on a certain sum for 2 years at the rate of 8% per annum is Rs.80,What is the sum?

- ☐ A. 11,880
- ☐ B. 12,500
- ☐ C. 13,250
- ☐ D. 14,270

Question No : 6

The ratio between two numbers is 5:7 and their product is 560. What is the difference between these two numbers?

- ☐ A. 8
- ☐ B. 12
- ☐ C. 6
- ☐ D. 21

Question No : 7

In a family Reshma is elder sister of Ragini . Soni is Reshma's daughter and Saloni is Soni's cousin. Rgini's mother is Rajani. Ramani is the sister-inlaw of Reshma. Who is Soni's grandmother?

- ☐ A. Reshma
- ☐ B. Ragini
- ☐ C. Rajani
- ☐ D. Ramani

Question No : 8

The mean and the variance of a binomial distribution are 4 and 2 respectively. Then the probability of 2 successes is:

- ☐ A. $37/256$
- ☐ B. $219/256$
- ☐ C. $128/256$
- ☐ D. $28/256$

Question No : 9

Take any positive whole number not greater than 50.If the number is even, divide it by 2.If the number is odd,multiply it by 3,and add 1 to the result. Apply the same method to the resulting numbers until you finally arrive at the number 1.shown below is the chain of numbers that results from this method if you begin with 15.

15->46->23->70->35->106->53->160->80->40->20->10->5->16->8->4->2->1

As you can see, the number 15 requires 17 steps to end up at 1.Of the numbers not greater than 50,which takes the longest to reach the number 1 ?

- ☐ A. 26
- ☐ B. 27
- ☐ C. 28
- ☐ D. 29

Question No : 10

After spending $\frac{2}{3}$ of his salary on rent and food items and $\frac{1}{4}$ th of the remaining on transportation, Rajesh has 6000 with him. How much did he pay on transportation?

- ☐ A. 2000
- ☐ B. 4000
- ☐ C. 6000
- ☐ D. 1000

Question No : 11

$E=I \cdot I \cdot R$ what is the effect of E when I becomes $I/2$

- ☐ A. E
- ☐ B. $1/2$ E
- ☐ C. $1/4$ E
- ☐ D. $1/8$ E

Question No : 12

Out of 55 eggs 5 are defective. what is % of defective eggs

- ☐ A. $7 \frac{1}{11}\%$
- ☐ B. $9 \frac{1}{11}\%$
- ☐ C. $10 \frac{1}{11}\%$
- ☐ D. $8 \frac{1}{11}\%$

Question No : 13

Salary of a person is 's' per month, 'x'% of salary is given as bonus, if 3 months salary is s_1, s_2 & s_3 then what is his salary

- ☐ A. $s_1 \cdot x$
- ☐ B. $s_1 \cdot x / 1000$
- ☐ C. $s_1 \cdot x / 100$
- ☐ D. None of the above

Question No : 14

Area of triangle $= (1/2) \cdot b \cdot h$ base increased by 4 times & height is divided by 2, the net effect of area

- ☐ A. twice the the original area
- ☐ B. half the the original area
- ☐ C. quarter of the original area
- ☐ D. four times of the original area

Question No : 15

In base 10 representation for a rupee 100 paise, then base 8 representation what is rupee value

- ☐ A. 142
- ☐ B. 143
- ☐ C. 144
- ☐ D. 145

Question No : 16

$A > B, B > C, C = D, D > E$, then which is greatest

- ☐ A. A/B

- ☐ B. A/C
- ☐ C. A/E
- ☐ D. none

Question No : 17

To travel 'm' miles the time is 'h' hours, then what is the time taken to travel M miles.

- ☐ A. $M \cdot h$
- ☐ B. $M/h \cdot m$
- ☐ C. $M \cdot h/m$
- ☐ D. None of the above

Question No : 18

A sum 's' is divided into 4 parts. Second person gets Rs 10 more than first. 3rd person is Rs 10 more than second, 4th is 10 more than 3rd. How much amount do 1st person get.

- ☐ A. $(s-60)/2$
- ☐ B. $(s-60)/4$
- ☐ C. $(s-60)$
- ☐ D. None of the above

Question No : 19

Fridge cost R Rs, cover value is 5, discount d% then its new cost

- ☐ A. $R - R \cdot d/100 - 5(1 - d/100)$
- ☐ B. $R/100 - 5(1 - d/100)$
- ☐ C. $R - R \cdot d/100 - 5$
- ☐ D. None of the above

Question No : 20

$1/8$ is divided by 's', if 's' is increased by 2 times, what is the result

- ☐ A. increases two times.
- ☐ B. increases four times.
- ☐ C. increases eight times.
- ☐ D. increases sixteen times

Question No : 21

a c b d f e g i ____

- ☐ A. h
- ☐ B. p
- ☐ C. r
- ☐ D. s

Question No : 22

x y z u v w r s t ____

- ☐ A. q
- ☐ B. o
- ☐ C. d
- ☐ D. u

Question No : 23

a c f j o ____

- ☐ A. u
- ☐ B. v
- ☐ C. w
- ☐ D. x

Question No : 24

$31 - 29 - \frac{2}{33} =$ ____

- ☐ A. $\frac{64}{30}$
- ☐ B. $\frac{64}{33}$
- ☐ C. $\frac{64}{22}$
- ☐ D. $\frac{64}{31}$

Question No : 25

Mr. Shah decided to walk down the escalator of a tube station. He found that if he walks down 26 steps, he requires 30 seconds to reach the bottom.

However, if he steps down 34 stairs he would only require 18 seconds to get to the bottom. If the time is measured from the moment the top step begins to descend to the time he steps off the last step at the bottom, find out the height of the stair way in steps?

- ☐ A. 46 steps
- ☐ B. 47 steps
- ☐ C. 48 steps
- ☐ D. 49 steps

Question No : 26

The average age of 10 members of a committee is the same as it was 4 years ago, because an old member has been replaced by a young member. Find how much younger is the new member ?

- ☐ A. 39 years.
- ☐ B. 40 years.
- ☐ C. 41 years.
- ☐ D. 42 years

Question No : 27

ABCE is an isosceles trapezoid and ACDE is a rectangle. $AB = 10$ and $EC = 20$. What is the length of AE?

- ☐ A. 8
- ☐ B. 9
- ☐ C. 10
- ☐ D. 11

Question No : 28

Three containers A, B and C have volumes a , b , and c respectively; and container A is full of water while the other two are empty. If from container

A water is poured into container B which becomes $\frac{1}{3}$ full, and into container C which becomes $\frac{1}{2}$ full, how much water is left in container A?

- ☐ A. $a - (b/3 + c/4)$
- ☐ B. $a - (b/3 + c/2)$
- ☐ C. $a - (b/2 + c/2)$
- ☐ D. None of the above

Question No : 29

PA and PB are tangents to the circle at A and B respectively and the chord BC is parallel to tangent PA. If $AC = 6$ cm, and length of the tangent AP is 9 cm, then what is the length of the chord BC?

- ☐ A. 3
- ☐ B. 4
- ☐ C. 5
- ☐ D. 6

Question No : 30

Three cards are drawn at random from an ordinary pack of cards. Find the probability that they will consist of a king, a queen and an ace.

- ☐ A. $64/2150$
- ☐ B. $68/2210$
- ☐ C. $64/2210$
- ☐ D. None of the above

Question No : 31

A number of cats got together and decided to kill between them 999919 mice. Every cat killed an equal number of mice. Each cat killed more mice than there were cats. How many cats do you think there were ?

- ☐ A. 991
- ☐ B. 992
- ☐ C. 993
- ☐ D. 994

Question No : 32

If $\log_2 x - 5 \log x + 6 = 0$, then what would the value / values of x be?

- ☐ A. e^2 or e^3
- ☐ B. e^2
- ☐ C. e^3
- ☐ D. None of the above

Question No : 33

The square of a two digit number is divided by half the number. After 36 is added to the quotient, this sum is then divided by 2. The digits of the resulting number are the same as those in the original number, but they are in reverse order. The ten's place of the original number is equal to twice the difference between its digits. What is the number?

- ☐ A. 43
- ☐ B. 44
- ☐ C. 45
- ☐ D. 46

Question No : 34

Can you tender a one rupee note in such a manner that there shall be total 50 coins but none of them would be 2 paise coins.?

- ☐ A. 46 one paise coins, 1 five paise coins, 2 ten paise coins, and 1 twenty five paise coins.
- ☐ B. 45 one paise coins, 2 five paise coins, 2 ten paise coins, and 1 twenty five paise coins.
- ☐ C. 44 one paise coins, 2 five paise coins, 3 ten paise coins, and 1 twenty five paise coins.
- ☐ D. None of the above

Question No : 35

6 people A,B,C,D,E and F sit around a table for dinner. Since A does not like C, he doesn't sit either opposite or beside C. B and F always like to sit opposite each other. If A is beside F then who is are the two neighbours of B?

- ☐ A. D and C
- ☐ B. E and C
- ☐ C. D and E
- ☐ D. Either (a) or (b)

Question No : 36

If D is adjacent to F then who is adjacent to C?

- ☐ A. E and B
- ☐ B. D and A
- ☐ C. D and B
- ☐ D. either (a) or (c)

Question No : 37

Complete the sequence A, E, I, M, Q, U, __, __

- ☐ A. B, F
- ☐ B. Y, C
- ☐ C. G, I
- ☐ D. K, O

Question No : 38

A person travels 6km towards west, then travels 5km towards north ,then finally travels 6km towards west. Where is he with respect to his starting position?

- ☐ A. 13km east
- ☐ B. 13km northeast
- ☐ C. 13km northwest
- ☐ D. 13km west

Question No : 39

If A speaks the truth 80% of the times, B speaks the truth 60% of the times. What is the probability that they tell the truth at the same time

- ☐ A. 0.8
- ☐ B. 0.48
- ☐ C. 0.6
- ☐ D. 0.14

Question No : 40

A person travels 12 km in the southward direction and then travels 5km to the right and then travels 15km toward the right and finally travels 5km towards the east, how far is he from his starting place?

- ☐ A. 5.5 kms
- ☐ B. 3 km
- ☐ C. 13 km
- ☐ D. 6.4 km

Question No : 41

X's father's wife's father's granddaughter uncle will be related to X as

- ☐ A. Son
- ☐ B. Nephew
- ☐ C. Uncle
- ☐ D. Grandfather

Question No : 42

Find the next number in the series 1, 3 ,7 ,13 ,21 ,31

- ☐ A. 43
- ☐ B. 33

- ☐ C. 41
- ☐ D. 45

Question No : 43

If in a certain code "RANGE" is coded as 12345 and "RANDOM" is coded as 123678. Then the code for the word "MANGO" would be

- ☐ A. 82357
- ☐ B. 89343
- ☐ C. 84629
- ☐ D. 82347

Question No : 44

If "PROMPT" is coded as QSPLOS ,then "PLAYER" should be

- ☐ A. QMBZFS
- ☐ B. QWMFDW
- ☐ C. QUREXM
- ☐ D. URESTI

Question No : 45

A monkey starts climbing up a tree 20ft. tall. Each hour, it hops 3ft. and slips back 2ft. How much time would it take the monkey to reach the top?

- ☐ A. 17 hours
- ☐ B. 18 hours
- ☐ C. 19 hours
- ☐ D. 20 hours

Question No : 46

What is the missing number in this series? 8 2 14 6 11 _ 14 6 18 12

- ☐ A. 7
- ☐ B. 8
- ☐ C. 9
- ☐ D. 10

Question No : 47

A certain type of mixture is prepared by mixing brand A at Rs.9 a kg. with brand B at Rs.4 a kg. If the mixture is worth Rs.7 a kg., how many kgs. brand A are needed to make 40kgs. of the mixture?

- ☐ A. 24kgs.
- ☐ B. 25kgs.
- ☐ C. 26kgs.
- ☐ D. 27kgs

Question No : 48

A wizard named Nepo says "I am only three times my son's age. My father is 40 years more than twice my age. Together the three of us are a mere 1240 years old." How old is Nepo?

- ☐ A. 360 years old.
- ☐ B. 361 years old.
- ☐ C. 362 years old.
- ☐ D. 363 years old.

Question No : 49

One dog tells the other that there are two dogs in front of me. The other one also shouts that he too had two behind him. How many are they?

- ☐ A. 2
- ☐ B. 3
- ☐ C. 4
- ☐ D. 5

Question No : 50

A man ate 100 bananas in five days, each day eating 6 more than the previous day. How many bananas did he eat on the first day?

- ☐ A. 7
- ☐ B. 8
- ☐ C. 9
- ☐ D. 10

Question No : 51

If it takes five minutes to boil one egg, how long will it take to boil four eggs?

- ☐ A. 3 minutes.
- ☐ B. 4 minutes.
- ☐ C. 5 minutes.
- ☐ D. 6 minutes.

Question No : 52

The minute hand of a clock overtakes the hour hand at intervals of 64 minutes of correct time. How much a day does the clock gain or lose?

- ☐ A. 31 min and $\frac{434}{11}$ sec
- ☐ B. 32 min and $\frac{434}{11}$ sec
- ☐ C. 33 min and $\frac{434}{11}$ sec
- ☐ D. None of the above

Aptitude Questions

1. 12 members were present at a board meeting. Each member shook hands with all of the other members before & after the meeting. How many hand shakes were there?

- a) 130
- b) 134
- c) 132
- d) 135

Answer : 132

2. An emergency vehicle travels 10 miles at a speed of 50 miles per hour. How fast must the vehicle travel on the return trip if the round-trip travel time is to be 20 minutes?

- a) 75 miles per hour
- b) 70 miles per hour
- c) 65 miles per hour
- d) 80 miles per hour

Answer : 75 miles per hour

3. Mary and John can do a piece of work in 24 days; John and Vino in 30 days; Vino and Mary in 40 days. If Mary, John and Vino work together they will complete the work in :

- a) 10 days
- b) 20 days
- c) 17 days
- d) 15 days

Answer : 20 days.

4. My friend collects antique stamps. She purchased two, but found that she needed to raise money urgently. So she sold them for Rs. 8000 each. On one she made 20% and on the other she lost 20%. How much did she gain or lose in the entire transaction?

- a) She lost Rs 500.67
- b) She lost Rs 666.67
- c) She gain Rs 666.67
- d) She gain Rs 500.67

Answer : She lost Rs 666.67

5. Find the sum of the first 50 common terms of 12,16,20,... and 18,24,30,....

- a) 15900
- b) 12700
- c) 19990
- d) 18400

Answer : 15900

6. The time showed by an analog clock at a moment is 11 am then 1234567890 hours later it will show the time as:

- a) 11am
- b) 11pm
- c) 5am
- d) 4pm

Answer : 5am

7. Square of two more than a two digit number is multiplied and divided by 2 and 5 respectively. If twice of the result is equal to 500 then find the number?

- a) 45
- b) 23
- c) 87
- d) 47

Answer : 23

8. Name any two models of SDLC (Software Design Life Cycle) ?

- a) Water Fall Mode
- b) Spiral Model
- c) a and b
- d) none of these

Answer : Water Fall Model and Spiral Model.

9. Find X when $X - Y = 3$ and $X^2 + Y^2 = 89$ where X and Y are integers.

- a) 10
- b) -5
- c) -10
- d) -3

Answer : -5

10. Find the value of P when the line through the points (2,2) and (5,7) is perpendicular to the line $3x + Py - 9 = 0$.

- a) $3/5$
- b) 5
- c) $5/3$
- d) 3

Answer : 5

11. Find the missing number in 25, 38, __, 64, -27, 90

- a) -1
- b) 51
- c) 39
- d) -32

Answer : -1

12. What is the sum of the irrational roots of the equation $(x-1)(x-3)(x-5)(x-7)=9$?

- a) 10
- b) 8
- c) 6
- d) 4

Answer : 8

13. There is an element which triplicates in every hour. Each of these 3 items inturn reproduce exactly 3 other items. If a single compund is kept in a container at noon and the container is full by midnight. After how many hours is the container 1/3 full?

- a) 11:00am
- b) 10:00pm
- c) 11:00pm
- d) 10:00am

Answer : 11:00pm

14. A person goes to a bank and Quotes x Rs and y paise on a cheque. The cashier misreads it and gives y Rs and x paise. The man comes out and donates 5 paise to a begger. Now, the man has exactly double the amount he has quoted on the cheque.

- a) 35 Rs. and 65 paise.
- b) 32 Rs. and 63 paise.
- c) 30 Rs. and 65 paise.
- d) 31 Rs. and 63 paise.

Answer : 31 Rs and 63 paise.

15. If $dy = [(secx - y) / \tan x]dx$, then the curve is:

- a) $y = x(\sin x)$
- b) $y = x(\cos x)$

- c) $y = x(\sec x)$
- d) $y = x(\operatorname{cosec} x)$

Answer : $y = x(\operatorname{cosec} x)$

16. A can do a piece of work in 100 days, B and C together can do the same work in 20 days. If B can do the work in same time as that of C and A together then how long C alone can do the same work?

- a) 100 days
- b) 50days
- c) 25days
- d) 20 days

Answer : 50 days

17. If PREVENTION is coded as DWDSOOSJNO then how will CONTENTION will be coded ?

- a) DUBPMOSJON
- b) DUMPBOSJNO
- c) OSJDUMPBON
- d) JDMUNOSBOP

Answer : DUMPBOSJNO

18. Unnikrishnan is a famous singer from South India. One should never miss to hear his mellifluous melodies. Question : Pick an appropriate synonym for mellifluous.

- a) Sad
- b) Nostalgic
- c) Pleasant
- d) Priceless

Answer: Pleasant.

19. All of the students at a college are majoring in psychology, business, or both. 73% of the students are psychology majors, & 62% are business majors. If there are 200 students, how many of them are majoring in both psychology & business?

- a) 75
- b) 80
- c) 70
- d) 70

Answer : 70

18. Grass in lawn grows equally thick and in a uniform rate. It takes 24 days for 70 cows and 60 for 30 cows. How many cows can eat away the same in 96 days?

- a) 18
- b) 20
- c) 21
- d) 19

Answer : 18

19. There is a certain four digit number whose fourth digit is twice the first digit. Third digit is three more than second digit. Sum of the first and fourth digits is twice the third number. What was that number?

- a) 2034
- b) 4368
- c) a and b
- d) None of these

Answer : 2034 and 4368

20. A thief steals half the total no of loaves of bread plus $\frac{1}{2}$ loaf from a bakery. A second thief steals half the remaining no of loaves plus $\frac{1}{2}$ loaf and so on. After the 5th thief has stolen there are no more loaves left in the bakery. What was the total no of loaves did the bakery have at the beginning?

- a) 35
- b) 41

- c) 28
- d) 31

Answer : 31

21. A person needs 6 steps to cover a distance of one slab. if he increases his foot length(step length) by 3 inches he needs only 5 steps to cover the slabs length. what is the length of the each slab?

- a) 31 inches
- b) 24 inches
- c) 26 inches
- d) 43 inches

Answer : 31 inches

22. A lorry starts from Banglore to Mysore at 6.00 A.M,7.00am,8.00 am.....10 pm. Similarly one another starts from Mysore to Banglore at 6.00 am,7.00 am, 8.00 am.....10.00pm. A lorry takes 9 hours to travel from Banglore to Mysore and vice versa.

- (i) A lorry which has started at 6.00 am will cross how many lorries.
- (ii) A lorry which had started at 6.00pm will cross how many lorries.

- a) 12 lorries and 14 lorries
- b) 10 lorries and 14 lorries
- c) 14 lorries and 10 lorries
- d) 14 lorries and 12 lorries

Answer : 10 lorries and 14 lorries

23. A garrison of 3300 men has provisions for 32 days, when given at a rate of 850 grams per head. At the end of 7 days a reinforcement arrives and it was found that now the provisions will last 8 days less, when given at the rate of 825 grams per head.How, many more men can it feed?

- a) 1700 men
- b) 1800 men
- c) 2000 men
- d) 2500 men

Answer : 1700 men

24. From 5 different green balls, four different blue balls and three different red balls, how many combinations of balls can be chosen taking at least one green and one blue ball?

- a) 3720
- b) 3890
- c) 3520
- d) 3600

Answer : 3720

25. Three pipes, A, B, and C are attached to a tank. A and B can fill it in 20 and 30 minutes respectively while C can empty it in 15 minutes. If A, B & C are kept open successively for 1 minute each, how soon will the tank be filled?

- a) 167 minutes
- b) 177 minutes
- c) 188 minutes
- d) 196 minutes

Answer : 167 minutes

26. A person walking $\frac{5}{6}$ of his usual rate is 40 minutes late. What is his usual time?

- a) 6 hours 20 minutes
- b) 4 hours 40 minutes.
- c) 3 hours 30 minutes.
- d) 3 hours 20 minutes.

Answer : 3 hours 20 minutes.

27. The minute hand of a clock overtakes the hour hand at intervals of 64 minutes of correct time. How much a day does the clock gain or lose?

- a) $36\frac{8}{11}$ minutes
- b) $32\frac{11}{8}$ minutes
- c) $32\frac{8}{11}$ minutes
- d) $30\frac{8}{11}$ minutes

Answer : 32 8/11 minutes

28. Solve for x and y: $\frac{1}{x} - \frac{1}{y} = \frac{1}{3}$, $\frac{1}{x^2} + \frac{1}{y^2} = \frac{5}{9}$.

- a) $x = \frac{3}{2}$ or -3 and $y = 3$ or $-\frac{3}{2}$.
- b) $x = \frac{2}{3}$ or -3 and $y = 2$ or $-\frac{3}{2}$.
- c) $x = \frac{4}{2}$ or -3 and $y = 2$ or $-\frac{3}{2}$.
- d) $x = \frac{3}{2}$ or -3 and $y = 3$ or $-\frac{2}{3}$.

Answer : $x = \frac{3}{2}$ or -3 and $y = 3$ or $-\frac{3}{2}$.

29. Daal is now being sold at Rs. 20 a kg. During last month its rate was Rs. 16 per kg. By how much percent should a family reduce its consumption so as to keep the expenditure fixed?

- a) 30 %.
- b) 25 %.
- c) 35 %.
- d) 40 %.

Answer : 20 %.

30. Find the least value of $3x + 4y$ if $x^2y^3 = 6$.

- a) 13
- b) 10
- c) 14
- d) 15

Answer : 10

31. What is an appropriate synonym for Bifid ?

- a) Divided
- b) Divided in two
- c) Timid
- d) None

Answer : Divided

32. Find the antonym for gaurish .

- a) Cheap
- b) Flashy
- c) Costly
- d) None

Answer : Cheap

33. Choose an appropriate antonym for the word deliberate.

- a) Unintended
- b) Targeted
- c) Focussed
- d) None

Answer : Unintended

34. Which of the following is an appropriate synonym for the word Debauch ?

- a) Demoralize
- b) Encourage
- c) Cultivate
- d) None

Answer : Demoralize

35. Find the sum of the first 14 terms for a sequence starting with 2, ending with 120 and common difference 2.

- a) 845
- b) 854

- c) 800
- d) 860

Answer : 854

36. Find the 10th element in the series 5,15,35,45.....

- a) 85
- b) 95
- c) 90
- d) Cannot be determined

Answer : Cannot be determined

37. Find the difference between last and last but one term in the Sequence 1, 9, 17, 25...which has 40 terms in total...

- a) 8
- b) 16
- c) 24
- d) 12

Answer : 8

38. Find the 7th term in the series 4,8,16...

- a) 512
- b) 256
- c) 64
- d) 200

Answer : 256

39. Find the odd man out

- a) 3,6,9,12
- b) 2,4,8,16
- c) 12,24,36,48
- d) 10,13,16,19

Answer: 2,4,8,16

Reason: The second sequence 2,4,8,16 is in geometric progression and not in arithmetic progression. Hence the answer is 2,4,8

40. Find the sum of the first 5 terms in 3,9,27

- a) 363
- b) 121
- c) 242
- d) 352

Answer : 363

Reason: Sum to n no of terms in a geometric progression is $S_n = a(1 - r^n)/(1 - r)$. Applying $a = 3$, $n = 5$ and $r = 3$ we get $S_5 = 3(1 - 3^5)/(1 - 3) = 363$. Hence the correct answer is 363.

41. Find the odd man out

- i) 3,9,27
- ii) 2,4,8
- iii) 10,20,40
- iv) $1, 1\frac{1}{2}, 1\frac{1}{4}$

- a) 3,9,27
- b) 2,4,8
- c) 10,20,40
- d) $1, 1\frac{1}{2}, 1\frac{1}{4}$

Answer : $1, 1\frac{1}{2}, 1\frac{1}{4}$

Reason: All the four sequences are in geometric progression. However the last series $1, 1\frac{1}{2}, 1\frac{1}{4}$ is an infinite series. This is because the common ratio for this series, which is $\frac{1}{2}$ is lesser than 1. Hence the correct answer is $1, 1\frac{1}{2}, 1\frac{1}{4}$

Technical Questions

1. Word alignment is

- a) alligning the address to the next word boundary of the machine
- b) alligning to even boundary
- c) alligning to word boundary
- d) none of the above

Answer : Alligning the address to the next word boundary of the machine

2. To send a packet data using datagram, connection will be established..

- a) before data transmission
- b) connection is not established before data transmission
- c) no connection required
- d) none of the above

Answer : No connection required

3. A 2 mb PCM (Pulse Code Modulation) has

- a) 32 voice channels
- b) 30 voice channels and 1 signalling channel
- c) 31 voice chanel and 1 signalling channel
- d) 32 channels out of which 30 voice channels, 1 signalling channel and 1 synchronization channel.

Answer : 31 voice chanel and 1 signalling channel

4. The status of the kernel is?

- a) task
- b) process
- c) not defined
- d) none of the above

Answer : Process

5 . Explain the use of the WHERE clause.

Answer : It directs SQL to extract data from rows where the value of the column is the same as the current value of the WHERE clause variable.

7. What are the reasons for adding an index to a table ?

Answer : To increase lookup performance. For a unique key to guarantee the uniqueness of the values for a column on a table.

8. What is PL/SQL ?

Answer : A programming language available in Oracle. It is a way of wrapping SQL with 3GL constructs such as IF..THEN..ELSE, WHILE etc.

9. What technique is used to retrieve data from more than one table in a single SQL statement?

Answer : The Join statement combines data from more than two tables

10. What is a foreign key?

Answer : It identifies a related row in another table and establishes a logical relationship between rows in two tables.

11. What happens if a tablespace clause is left off of a primary key constraint clause?

Answer : This results in the index that is automatically generated being placed in the user's default tablespace. Since this will usually be the same tablespace as the table is being created in, this can cause serious performance problems.

12. What is locking and what is it used for ?

Answer : Locking is a mechanism to restrict access to data. It prevents one user updating data whilst another user is looking at it.

13. What types of locking are available with Oracle?

Answer : Row locking and table locking.

15. In 8085 microprocessor READY signal does. which of the following is incorrect statements

- a) It is input to the microprocessor
- b) It sequences the instructions
- c) It sequences the output of the microprocessor
- d) None

Answer : It sequences the instructions

16.

```
int zap(int n)
{
    if(n<=1)then zap=1;
    else zap=zap(n-3)+zap(n-1);
}
```

then the call zap(6) gives the values of zap

- a) 8
- b) 9
- c) 6
- d) 12

Answer : 9

17. Virtual memory size depends on

- a) address lines
- b) data bus
- c) disc space

d) a & c

Answer : Address lines

18. A 12 address lines maps to the memory of

- a) 1k bytes
- b) 0.5k bytes
- d) 2k bytes
- d) none

Answer : 0.5k bytes

19. In a processor these are 120 instructions . Bits needed to impliment this instructions

- a) 6
- b) 7
- c) 10
- d) none

Answer : 7

20. In a compiler there is 36 bit for a word and to store a character 8bits are needed. IN this to store a character two words are appended .Then for storing a K characters string, How many words are needed.

- a) $2k/9$
- b) $(2k+8)/9$
- c) $(k+8)/9$
- d) $2*(k+8)/9$

Answer : $2k/9$

21. $n=7623$

```
{  
temp=n/10;  
result=temp*10+ result;  
n=n/10  
}
```

- a) 3467
- b) 3657
- c) 3267
- d) 3980

Answer : 3267

22. A device can operate without Application layer in a network. State True or False.

- a) False
- b) True

Answer : True. Routing devices like bridges need not necessarily have application layer.

23. OSI stands for

- a) Open Systems Interconnection
- b) Open Systems Integration
- c) Open Servers Interconnection
- d) None

Answer : Open Systems Interconnection

24. Find the odd man out

HTTP, FTP, MPEG, SNMP

- a) HTTP
- b) FTP
- c) MPEG
- d) SNMP

Answer : MPEG - This is a file format and not a Protocol like other options.

25. Amount of work a computer can do in a given period is called

- a)Throughput
- b)Job
- c)Process
- d)None of the above

Answer : Throughput

26. Which of the following addresses is always unique and unchanged for a machine

- a) IP Address
- b) MAC Address
- c) Both of the above
- d) none

Answer : MAC Address

27. What is a running program under execution called?

- a) Task
- b) Job
- c) Process
- d) Any of the above

Answer : Any of the above

28. CPU Scheduling is a function of OS under

- a) Process Management
- b) Memory Management
- c) I/O Management
- d) None of the above

Answer : Process Management

29. Background running processes are typically called

- a) Daemons
- b) Tasks
- c) Processes
- d) None of the above

Answer : Daemons

30. The process in which OS saves all data associated with current process and switches over to the next is called

- a) Process Switching
- b) Task Switching
- c) Context Switching
- d) None

Answer : Context Switching

Verbal

Mellifluous : cacaphony

Ans : fragrant : noisomeness

Evasive * Frank

Deteriorate : Improve

Sentence completion exercise B (Gre Barrons) -Question Number 2 -

Ans:Elegaic

Sentence completion exercise B (Gre Barrons) -Question Number 6 -

Ans : nonchalance ... diligently

Sentence completion exercise B (Gre Barrons) -Question Number 7 -

Ans : querulousness affably

Some sentence completion ... abt milkyway

Ans : refinement, ...(i am not sure jus chk it)

Aptitude

John weighs twice as much as Marcia. Marcia's weight is 60% of Bob's weight. Dave weighs 50% of Lee's weight. Lee weighs 190% of John's weight. Which of these 5 persons weighs the least?

A) Bob B) Dave C) John D) Lee E) Marcia

Ans) E

A trip takes 6 hours to complete. After traveling $\frac{1}{4}$ of an hour, $1\frac{3}{8}$ hours, and $2\frac{1}{3}$ hours, how much time does need to complete the trip?

a) $2\frac{1}{12}$ hours

b) 2 hours, 2 1/2 minutes

c) 2 hours, 5 minutes

d) 2 1/8 hours

ANS) B

It takes 30 days to fill a laboratory dish with bacteria. If the size of the bacteria doubles each day, how long did it take for the bacteria to fill one half of the dish?

Ans) D (29 days)

A car wash can wash 8 cars in 18 minutes. At this rate, how many cars can the car wash wash in 3 hours? ANS) C (80)

If the ratio of the areas of 2 squares is 2:1, then the ratio of the perimeters of the squares is

ANS) C ($\sqrt{2}$:1)

There are three types of tickets available for a concert: orchestra, which cost \$12 each; balcony, which cost \$9 each; and box, which cost \$25 each. There were P orchestra tickets, B balcony tickets, and R box tickets sold for the concert. Which of the following expressions gives the percentage of ticket proceeds due to the sale of orchestra tickets?

Ans) B $100 \times 12P / (12P + 9B + 25R)$

In a survey of town of Wasco, it was found that 65% of the people surveyed watched the news on television, 40% read newspaper, and 25% read a newspaper and watched the news on television. What percent of the people surveyed neither watched the news on the television nor read a newspaper? Ans: (E) 20%

City B is 5 miles east of City A. City C is 10 miles southeast of City B. Which of the following is the closest to the distance from City A to City C? Ans: (D) 14 miles

If the area of a square increases by 69%, then the side of the square increased by Ans: (B) 30%

There are 30 socks in a drawer. 60% of the socks are red and the rest are blue. What is the minimum number of socks that must be taken from the drawer without looking in order to be certain that at least two blue socks have been chosen?

Ans: (E) 20

Reasoning

problem on series non verbal series around -12 questions

problem on direction test

problem on logical venn diagrams - 10 questions refer test of reasoning Agrawal page 239

blood relations problem ans) Nephew

analogy, bouquet: flower :: chain: link--ans

try questions non verbal reasoning 97 edition RS Agrawal Questions: 1,2,4,6,16,14,22,23,24,21

pick odd one out 2,4,6,5,8,10 ans 8

Data interpretation years Vs Banks six questions check in RS Agrawal