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## **Wipro Previous Year Question Paper**

### Aptitude Questions :

- (A) If statement (I) alone is sufficient but statement (II) alone is not sufficient.
- (B) If statement (II) alone is sufficient but statement (I) alone is not sufficient.
- (C) If both statements together are sufficient but neither of statements alone is sufficient.
- (D) If both together are not sufficient.

1. What is John's age?

- (I) In 15 years John will be twice as old as Dias would be
- (II) Dias was born 5 years ago

Ans. (C)

2. What is the distance from city A to city C in kms?

- (I) City A is 90 kms from City B
- (II) City B is 30 kms from City C

Ans. (D)

3. Is  $A=C$  ? A, B, C are real numbers

- (I)  $A-B=B-C$
- (II)  $A-2C = C-2B$

Ans. (C)

4. What is the 30th term of a given sequence ?

- (I) The first two terms of the sequence are  $1, 1/2$
- (II) The common difference is  $-1/2$

Ans. (A)

5. Was Avinash early, on time or late for work?

- (I) He thought his watch was 10 minutes fast
- (II) Actually his watch was 5 minutes slow

Ans. (D)

6. What is the value of A if A is an integer?

(I)  $A^4 = 1$

(II)  $A^3 + 1 = 0$

Ans. (B)

7. 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 k

(d) 6.4 km

Ans. (b)

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

(a) Son

(b) Nephew

(c) Uncle

(d) Grandfather

Ans. (c)

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

(a) 43

(b) 33

(c) 41

(d) 45

Ans. (a)

10. 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

Ans. (d)

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

(a) QMBZFS

(b) QWMFDW

(c) QUREXM

(d) URESTI

Ans. (a)

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

- (a) 13km east
- (b) 13km northeast
- (c) 13km northwest
- (d) 13km west

Ans. (c)

13. 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

Ans.(b)

14. Susan can type 10 pages in 5 minutes. Mary can type 5 pages in 10 minutes. Working together, how many pages can they type in 30 minutes?

- A. 15
- B. 20
- C. 25
- D. 65
- E. 75

Ans: E

15. Six bells commence tolling together and toll at intervals 2,4,6,8,10 and 12 seconds respectively. In 30 minutes how many times they toll together.

- a) 4
- b) 10
- c) 15
- d) 16

Ans: d)

### Technical Questions :

1. If the time quantum is too large, Round Robin scheduling degenerates to

- (a) Shortest Job First Scheduling
- (b) Multilevel Queue Scheduling
- (c) FCFS
- (d) None of the above

Ans. (c)

2. Transponders are used for which of the following purposes

- (a) Uplinking
- (b) Downlinking
- (c) Both (a) and (b)
- (d) None of the above

Ans. (c)

3. The format specifier "-%d" is used for which purpose in C

- (a) Left justifying a string
- (b) Right justifying a string
- (c) Removing a string from the console
- (d) Used for the scope specification of a char[] variable

Ans. (a)

4. A sorting algorithm which can prove to be a best time algorithm in one case and a worst time algorithm in worst case is

- (a) Quick Sort
- (b) Heap Sort
- (c) Merge Sort
- (d) Insert Sort

Ans. (a)

5. What details should never be found in the top level of a top-down design?

- (a) Details
- (b) Coding
- (c) Decisions
- (d) None of the above

Ans. (c)

6. In an absolute loading scheme, which loader function is accomplished by assembler

- (a) Reallocation
- (b) Allocation
- (c) Linking
- (d) Both (a) and (b)

Ans. (d)

7. Banker's algorithm for resource allocation deals with

- (a) Deadlock prevention
- (b) Deadlock avoidance
- (c) Deadlock recovery
- (d) None of these

Ans. (b)

8. Thrashing can be avoided if

- (a) The pages, belonging to the working set of the programs, are in main memory
- (b) The speed of CPU is increased
- (c) The speed of I/O processor are increased
- (d) All of the above

Ans. (a)

9. Which of the following communications lines is best suited to interactive processing applications?

- (a) Narrowband channels
- (b) Simplex channels
- (c) Full-duplex channels
- (d) Mixed band channels

Ans. (b)

10. A feasibility document should contain all of the following except

- (a) Project name
- (b) Problem descriptions
- (c) Feasible alternative
- (d) Data flow diagrams

Ans. (d)

11. What is the main function of a data link content monitor?

- (a) To detect problems in protocols
- (b) To determine the type of transmission used in a data link
- (c) To determine the type of switching used in a data link
- (d) To determine the flow of data

Ans. (a)

12. Which of the following memories has the shortest access time?

- (a) Cache memory
- (b) Magnetic bubble memory
- (c) Magnetic core memory
- (d) RAM

Ans. (a)

13. A shift register can be used for

- (a) Parallel to serial conversion
- (b) Serial to parallel conversion
- (c) Digital delay line
- (d) All the above

Ans.(d)

14. In which of the following page replacement policies, Balady's anomaly occurs?

- (a) FIFO
- (b) LRU
- (c) LFU
- (d) NRU

Ans. (a)

15. Subschema can be used to

- (a) Create very different, personalised views of the same data
- (b) Present information in different formats
- (c) Hide sensitive information by omitting fields from the sub-schema's description
- (d) All of the above

Ans. (d)

16. A 12 address lines maps to the memory of

- a. 1k bytes
- b. 0.5k bytes
- c. 2k bytes
- d. none

Ans: b

17. In a processor these are 120 instructions . Bits needed to implement this instructions

- [a] 6
- [b] 7
- [c] 10
- [d] none

ans: b

18. 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]  $2*(k+8)/9$  [e] none

Ans: a

19. Virtual memory size depends on

- [a] address lines
- [b] data bus

[c] disc space  
[d] a & c [e] none  
Ans : a

English :

Direction 1-5 : In each of the following questions, find out which part of the sentence has an error. If there is no mistake the answer is 'no error'

1. The house with all its (A)/ furniture and exotic plants (B)/ were sold for Rs. 50,000(C) / No error(D)

Ans : C

2. The teacher asked the students(A) / if everyone of them were interested in (B)/ going on an excursion (C)/ No error(D)

Ans : B

3. a physiologist in the last century demonstrated(A) / that puppies will die (B)/ if kept awake for more than five days(C) / No error(D)

Ans : B

4. It is unfortunate that(A) / many youngsters get (B)/ addicted to gamble (C)/ No error(D)

Ans : C

5. I have seen (A)/ that film last year (B)/ but I do not remember its story(C) / No error(D)

Ans: A

Directions 6-10: The following questions, consist of two words each that have a certain relationship to each other, followed by four lettered pairs of words. Select the lettered pair that has the same relationship as the original pair of words.

6. Plants : Coal

A) Crops : Manure

B) Animals : Oil

C) Cow: Milk

D) Fire : Smoke

Ans : B

7. Rectangle : Cylinder

A) Square : Sphere

B) Circle : Disc

C) Triangle : Cone

D) Wall : Room

Ans : C

8. Expend : Replenish

A) Exhort : Encourage

B) Formant : Rebellion

C) Defect : Rejoin

D) Encroachment : Occupy

Ans : C



## WIPRO Model Placement Paper

1. If the sum of  $n$  terms of two series of A.P are in the ratio  $5n+4:9n+6$  .find the ratio of their 13th terms

- (a) 129/231
- (b)  $1/2$
- (c) 23/15
- (d) None of the above

Ans. (a)

2. If the letters of the word "rachit" are arranged in all possible ways and these words are written out as in a dictionary, what is the rank of the word "rachit".

- (a) 485
- (b) 480
- (c) 478
- (d) 481

Ans. (d)

3. Ravi's salary was reduced by 25%.Percentage increase to be effected to bring the salary to the original level is

- (a) 20%
- (b) 25%
- (c)  $33 \frac{1}{3}\%$
- (d) 30%

Ans. (c)

4. A and B can finish a piece of work in 20 days .B and C in 30 days and C and A in 40 days. In how many days will A alone finish the job

- (a) 48
- (b)  $34 \frac{2}{7}$
- (c) 44
- (d) 45

Ans. (a)

5. How long will a train 100m long travelling at 72kmph take to overtake another train 200m long travelling at 54kmph

- (a) 70sec
- (b) 1min
- (c) 1 min 15 sec
- (d) 55 sec

Ans. (b)

6. ? : BGLQ : : YDIN : VAFK

- (a) EKNS

- (b) DKMT
  - (c) DLMS
  - (d) EJOT
- Ans. (d)

7. NLO : RPS :: ? : ZXA

- (a) VUW
- (b) VTR
- (c) VTW
- (d) TRP

Ans. (c)

8. A man speaks the truth 3 out of 4 times. He throws a die and reports it to be a 6. What is the probability of it being a 6?

- (a)  $\frac{3}{8}$
- (b)  $\frac{5}{8}$
- (c)  $\frac{3}{4}$
- (d) None of the above

Ans. (a)

9. A team of 200 wagers undertakes building work of a bridge. The total time allocated to build the entire bridge is 20 days. After 10 days since start, 200 more wagers join the team and together the team completes the bridge in required time. If the original team do not get those 200 extra wagers, how many days they would be behind schedule to complete building the bridge.

- a) 10 days
- b) 20 days
- c) 15 days
- d) 1 days

Answer : a) 10 days

10. A team P of 20 engineers can complete a task in 32 days. Another team Q of 16 engineers can complete the same task in 30 days. Then the ratio of working capacity of 1 member of P to that of a member of Q is:

- a) 3:2
- b) 4:3
- c) 2:5
- d) 3:5

Answer : b) 4:3

11. The price of Machine D equals the sum of the prices of machine A, B and C whose price are in the ratio 2:3:4 respectively. If weights of A, B,

C and D varies as square of its individual price and difference of weight of D and A, B and C together is 9880 kg. Then what is the weight of D?

- a) 15390 kg
- b) 14790 kg
- c) 15800 kg
- d) none of these

Answer : a) 15390 kg

12. If 4:6 is the ratio of number of girls and boys in a computer coaching class. If 50% of girls and 40% of boys are degree holders then the percentage of the candidates who are non-degree holders is:

- a) 12%
- b) 38%
- c) 56%
- d) 49%

Answer : c) 56%

13. 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 : c) 5am

14. The time showed by the clock at a moment is 8 am then the respective time of after and before 42896 hours is :

- a) 4 pm & 12 am
- b) 6 am & 4 pm
- c) 5 pm & 7 am
- d) 3 am & 3 pm

Answer : a) 4 pm & 12 am

15. The minimum number of digits required to form every number which is greater than 900 and less than 9,000 is:

- a) 39
- b) 72
- c) 49
- d) 81

Answer : a) 39

16. Find the difference of the minimum number of numbers required to form every number from 1 to 1234 and 1 to 4321.

- a) 9
- b) 7

c) 4

d) 3

Answer : d) 3

17. 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

18. 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

19. 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

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

A.  $\frac{37}{256}$

B.  $\frac{219}{256}$

C.  $\frac{128}{256}$

D.  $\frac{28}{256}$

21. 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

22. 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

23. 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

24. 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

25. 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

26. 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

27. 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

28. 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

29. 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

30. 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

Hi Friends ,Im attending Wipro Off and On campus recruitment in Kerala campus,Wipro conducted an On line Test in Rajiv Gandhi College Kottayam Here Im sharing some questions based on my memory.

1.  $1 = 2^{2n-1}$  find  $n = ?$   
 $8^{n-3}$

2.  $6x-3 = 36^{x-5}$  Find  $x$

3.  $A-B = 8$   
 $A^2+B^2 = 120$  Find  $A \& B$

4.  $b = 1-21/2$   
 $a = 1+2 \frac{1}{2}$  Find  $a^2 + b^2$

5. 870695 how much to be subtracted to be divisible by 8

6. 1 2 3 ? 4 9 5 ? 2 find the digits at ? for sum is divisible by ----

7. Raju five year older than Susan. Rithesh 2 years older than Susan. Rithesh is 13 years now. Find Raju's after 2 year

8. Population before 3 years is  $b$  after 3 years is  $C$ . Find population of present

9. A.  $a + (a-b) / e^{*(a-b)^2 + (a-b)^2}$   
B.  $d = a-b$   
 $a + d / e^{*d + d*d}$   
Which one A or B is faster  
Which one A or B user more memory

10. In as stack  
Push (1)  
Push (2)  
Pop  
Push (5)  
Push (6)  
Pop  
What is the Resultant stack : Ans : 5 1  
^  
top

11. A man bought coffees at 3 for a rupee. How many for a rupee must be sell to gain 50 %.

12. Data sufficiency Questions were there.

13. An amount was deposited after 8 years will become double, then what is the amount.

14. What should be multiplied with 54000 to get a perfect cube.

15. int operation (inta, intb)

if (a>b)

return operation (b,a);

else

return a;

what is the result produced by this function ?

Ans : minimum (a, b)

16. Complexity of a function which finds the sum of the square of the diagonal elements of a matrix :

Options : (1)  $O(n)$  (2)  $O(n^2)$  (3)  $O(n \log n)$  (4) none of these

17. 334 last digit of it (334)

option : 3, 9, 1, 7

18. 235 divided by 5. Find remainder.

19. Least perfect square number divisible by 3,4,5, 6 & 8 is

20. H.C.F of 2 numbers is 11 & their LCM is 693. If one no. is 77 find other :

21. Find the largest number of 4 digits exactly divisible by 12,15, 18 & 27.

22. How many 4 digit numbers can be formed from the digits 1, 2, 3, 4, 5, 6, 7 such that number digit is repeated.



23. 4 cards are drawn from a pack of 52 cards such that 1 card is a spade & a is a heart. How many ways.

24. If play can be written as:-  
QKBX then GEME can be written as :

25. Find the next  
B2E5 F6I9 ?

26. If the selling price is Rds.2400 and if he made 33.33 % profit what is his cost price ?

27. 6 9 15 24 36

28. A sorting technique which compare adjacent values Bubble sort

29. A condition used in Binary search but not in linear search ordering

30. Pass by value & pass by reference Questions :

Find o/p

```
void main () int cal c (int a, int b)
{ int a=5, b=10 c, { a= a+2 :
c = calc (a, b); b= b+3;
print c ; return (a+b);
} }
```

31. Application of Stock : recursion

32. DFS uses Stock

33. Find o/p of a,b, c, e &g are given.

$a + b*d/c - e+g$   
&  $a+b*d/(c-e)+g$

34. Length is 4 times breadth of a rectangular plot. Area is 2500 find length.

35. Marked price is 400. 10% discount given. still makes 12 % profit find cost price

36. A number is to be divided by  $4/5$ . By mistake it was divided by  $5/4$  & obtained 81 more than original answer. Find correct answer.

37. x is 50 feet away from y in west. x then walked 10 feet south. then walked 50 feet east. How far should y travel to reach x

38. 'A' was facing north. He turned 270o anti colckwise then 45o clockwise. Then again 135o anticlockwise. Where is he facing now.