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## Wipro placement paper

(50 questions in 60 minutes)

### Section 1: Verbal Ability (20 questions)

1. Given below are words three of which belong to the same category. Find the word which does not belong to that category.

- 1] Entertain                      2] Dialogue                      3] Snoop                      4] Welcome

2. In the following sentence one important punctuation mark is missing. Select a suitable one from the given alternatives.

Malati not her sister is in the University.

- 1] " "                      2] ,                      3] :                      4] !

3. Given below are sentences which when arranged logically form a coherent passage. Choose the option which gives the correct sequence.

S1. The Hound of Baskervilles was feared by the people of the area.

P. Some people spoke of seeing a huge, shadowy form of a hound at midnight on the moor.

Q. But they spoke of it in tones of horror.

R. Nobody had actually seen the hound.

S. The shadowy form did not reveal any details about the animal.

S6. The hound of Baskervilles remains an unsolved mystery.

- 1] PQRS                      2] PSRQ                      3] SPQR                      4] SRPQ

4. Choose the lettered pair that expresses a relationship most similar to the relationship expressed

in the capitalized pair. INFALLIBLE: ERROR

- |                        |                         |
|------------------------|-------------------------|
| 1] irreversible : cure | invulnerable :          |
| 2] emotion             |                         |
| 3] impeccable : flaw   | 4] intolerable : defect |

5. Select among the given choices, the word or phrase for each blank that best fits the meaning of the sentence as a whole.

With the merger of ICICI with ICICI bank, the latter had become a \_\_\_\_ force in the Indian sector

with assets of over Rs. 1 lakh crore and a wide variety of services.

- 1] stupendous                      2] formidable                      3] vulnerable                      4] stupefying

6. Select the word or phrase among the given choices that is most nearly similar in meaning to the word - OBLIVIOUS

- 1] Indifferent                      2] Watchful                      3] Precarious                      4] Unmindful

7. Select the word among the given choices that is most nearly opposite in meaning to the word - LUSCIOUS

- 1] Dry                      2] Sour                      3] Ugly                      4] Stale

8. For the following sentence, choose the most suitable word from the given options.

It was a \_\_\_\_ day on which the Germans invaded Russia.

- 1] fatal                      2] fitful                      3] fatalist                      4] fateful

9. Select among the given choices a word to fill in the blank.

It is unfortunate that the unruly crowd \_\_\_\_\_ the limited over match between India and the West Indies.

- 1] distorted                      2] disrupted                      3] doomed                      4] dispersed

10. Given below are four words, three of which belong to the same category. Find the word which does not belong to that category.

- 1] Intemperance                      2] Intelligence                      3] Intention                      4] Intelligible

11. Given below are sentences which when arranged logically form a coherent passage. Choose the option which gives the correct sequence.

S1. Today the earth has many satellites besides the moon.

P. But the pull of the earth keeps them from doing so.

Q. The artificial satellites do not fall because they are going too fast to do so.

R. They are artificial satellites made by man and much smaller than the moon.

S. As they speed along, they tend to go straight off into space.

S6. As a result, they travel in orbit round the earth.

- 1] PRQS                      2] QPSR                      3] RQSP                      4] SPRQ

12. Select the option that gives the correct meaning of the given idiomatic expression or phrase - Will - o' the - wisp.

- 1] acting in a foolish way  
2] having desires not backed by effort  
3] anything which eludes or deceives  
4] yearning of the spirit

13. Select the word among the given choices that is most nearly opposite in meaning to the word.

OVERT

- 1] Deep                      2] Shallow                      3] Secret                      4] Unwritten

14. Choose the lettered pair that expresses a relationship similar to that expressed in the capitalized pair.

MOISTEN: DRENCH

- 1] enclose : confine                      2] prick : stab                      3] disregard : ignore                      4] scrub : polish

15. Select the word or phrase among the given choices that is most nearly similar in meaning to the word.

MANDRILL

- 1] Baboon                      2] Musical Instrument                      3] Tropical fruit  
4] Narcotic herb

Directions for questions 16-20: Read the passage below and answer question 16-20

As civilization progresses, man has congregated in large cities; at the same time economies of scale have forced our industrial facilities to grow larger. There is,

therefore, potential for man-made catastrophes of unprecedented magnitude. Moreover, we now live longer, and want to make, our lives safer.

accidents and even natural disasters, once dismissed as acts of God, are now considered to be under our control. Not that we need to deny the existence of God, but there is also no need to blame him for our problems and our incompetence. Only recently, however, has any serious attempt been made to express risks in quantitative terms, and these attempts are not understood by the decision-makers and politicians of our society. Some of our decisions are crippled by this lack of understanding.

One problem is comparing risks and diverse benefits — which is a bit like comparing apples and oranges. In energy matters, we can simplify by expressing all benefit in the common energy unit — kilowatt hour (KW) of electricity produced. This is, of course, valid only if all methods of producing electricity cost about the same.

We see clearly from an analysis of available statistics that some sources of energy are worse than others, and hydropower, which superficially seems benign, is bad. But while we can use this to guide us in selecting between fossil fuel and nuclear power, for example, it does not tell us how much to spend on reducing risks. May be some risks can be reduced almost to zero by a modest expense. Therefore, we usually make a risk-cost analysis whereby we compare costs of reducing risks.

There are over 50,000 deaths due, to automobile accidents in the US every year. We now insist that all cars have seat belts and shoulder harnesses to reduce the death toll. Probably only a third-of all travelers buckle their belts, but about a third of road deaths could be avoided if everyone buckled their belts.

In the US we spend about \$40 for factory installed seat belts in nearly ten million automobiles per year for a total cost of \$400 million. About 5000 lives are saved — at a cost of \$80,000 per life. Injuries are also reduced, increasing the value of seat belts. Is the expense of seat belts worthwhile? Society says yes, and demands the payment.

Should we then say that a human life is 'worth' \$100,000? That would be too naive a view of risk-benefit analysis. If we can save a life immediately, we often do so at a cost far greater than \$100,000 and even risk our lives in the process — out of such matters heroes are made. The religious among us may argue that a human life is priceless, so how do we express the results of such an analysis? Should we just increase the 'value' of a human life indefinitely? Should we spend \$1.00 million to save a life? Even in the US, we can't spend \$100 million more than 1000 times a year — and more than 1000 occasions arise. We must spend our money so as to save as many lives as possible.

One way of expressing the result of a risk benefit analysis might be to say that society should spend X dollars in the expectation of saving or prolonging life when the particular life is not known and unknowable; X should presumably be a number gradually increasing with society's affluence, and roughly constant from activity to activity.

16. The phrase that best captures the essence of this passage is

- |                              |                        |
|------------------------------|------------------------|
| 1] Calculating human risk.   | 2] The Cost of Safety. |
|                              | The Cost of human      |
| 3] Seat belts - Life Savors. | 4] life.               |

17. The organization of this passage can best be described as 1] a hypothesis is stated in paragraph 1 and then rejected.

- 2] an argument is made and later on proved correct by giving illustrations.
- 3] a lot of rhetorical questions are asked to emphasize the argument.
- 4] available statistics are analyzed to prove the author's main argument.

18. What could be the function of paragraphs 4 and 5 in the passage as a whole?

- I. To argue in favor of installation of seat belts in cars.
  - II. To give a concrete example to prove the benefits of risk cost analysis.
  - III. To give a concrete example to explain the benefits of risk cost analysis.
  - IV. To show how much the American society is willing to pay to ensure the safety of its members.
- 1] only I above 2] only II above 3] only III above 4] both I & IV above

19. Which one of the following is not a result of the trend towards increased size of cities and industrial facilities?

- 1] There is a possibility of man-made catastrophes on a scale never before
- 2] There is an increased need to quantify risks.
- 3] We consider ourselves as infallible as we think we can control both man-made and natural disasters.
- 4] All of these

20. According to the author the difference between saving the life of a person in an actual scenario, and saving lives in abstract is.

- 1] If you save a known person you are a hero, saving lives in abstract is a responsibility, a civic duty.
- 2] Individual citizens can save lives; it costs the state too much to save lives in the abstract.
- 3] Different criteria may apply in terms of cost factor.
- 4] None of these

## Section 2: Quantitative and Analytical Ability (15 questions)

1. Vijayawada is 200 kilometers due west of Visakhapatnam, and Mr. Sridhar is due west of Vijayawada. At 9 a.m. Mr. White leaves Visakhapatnam for Mr. Sridhar and at 1 p.m. Mr. Anand leaves Vijayawada for Mr. Sridhar. If Mr. Anand travel at an average speed of 20 km/h faster than Mr. White and they each reach Mr. Sridhar at 4 p.m., how fast is each traveling?  
 1] 80 km/h, 63 km/h 2] 82 km/h, 65 km/h 3] 85 km/h, 65 km/h 4] 90 km/h, 62 km/h
2. As the clock strikes noon jogger J is 2500 meters and walker W is 4000 meters down the road (from here) Jogger J jogs at the constant pace of 10 m/sec. Walker W walks at the constant pace of 5 m/sec. How long will it take for Jogger J to catch up to walker W?  
 1] 180 seconds 2] 240 seconds 3] 300 seconds 4] 360 seconds
3. Four prisoners escape from a prison. The prisoners, Mr. East, Mr. West, Mr. South, and Mr. North head towards different directions after escaping. The escape routes were North Road, South Road, East Road and West Road.

None of the prisoners took the road which was their namesake. Mr. East did not take the South Road.



Mr. West did not take the South Road.

The West road was not taken by Mr. East.

Which road did each of the prisoners take to make their escape?

1] Mr. North => West Road, Mr. South => East Road, Mr. East => South Road, Mr. West  
=> East Road 2] Mr. North => South Road, Mr. South => West Road, Mr. East =>  
North Road, Mr. West => East Road

3] Mr. North => South Road, Mr. South => East Road, Mr. East => West Road, Mr.  
West => North Road

4] Mr. North => South Road, Mr. South => North Road, Mr. East => West Road, Mr.  
West => East Road

4. 3, 10, 20, 27, \_\_\_\_\_, 44

1] 34

2] 39

3] 37

4] 39

5. George: Since Prof. Elisha is a brilliant teacher whose students excel, she should  
be granted tenure.

Peter: Since Prof. Elisha has not published any research, she is not widely  
respected in the academic community. Therefore, she should not be granted  
tenure. Which of the following is an underlying assumption that Peter has used in  
reaching his conclusion?

1] Prof. Elisha has applied for tenure.

2] Brilliant teachers usually publish their research.

3] Being widely respected in the academic community should be a prerequisite for  
being granted tenure.

4] All professors who are respected in the academic community should be granted  
tenure.

6. Computer operating system software has become increasingly standardized. But  
when a large business with multiple linked computer systems uses identical  
operating system software on all of its computers, a computer vandal who gains  
access to one computer automatically has access to the data on all the  
computers. If such a business introduced minor variations into its operating  
system software, unauthorized access to all the computers at the same time  
could be virtually eliminated. Furthermore, variations in operating system  
software can be created without any loss of computer compatibility to the  
business. Therefore, it is advisable for businesses to implement such variations.

Which one of the following can be inferred?

1] If a business does not introduce variety into its computer operating systems, it  
will lose data on its computers because of damage from virus programs.

2] If a computer virus program is introduced into a business computer, all of the  
data on that computer will be destroyed.

3] If a business introduces variety into its linked computer operating systems, it  
will have increased overall protection for its systems, but will not be able to  
protect every computer from viral invasion.

4] If a business does not have multiple, linked computer systems, its computers cannot be protected from computer viruses.

7. Imagine a railway station clock with the second-hand on the same axis as the two other hands. How often in a 24-hour day, will the second-hand be parallel to either of the two other hands?

1] 5474

2] 5174

3] 5714

4] 5724

8. Suppose cricket team plays 8 games. The chance of winning any particular game is 50%. Determine the probability of completing the season without ever having more losses than wins during the season:

1] 70/128

2] 163/256

3] 27/122

4] 35/128

9. A park is in the form of a square each of whose sides is 100m. The area of the park, excluding the

circular lawn, in the centre of the park, is  $8614 \text{ m}^2$ . The radius of the circular lawn is: 1] 21cm 2] 34cm 3] 94cm 4] 76cm

10. Mr. Subramanian says that his wife has put an 18x51 foot garden along the whole back end of their back yard. He says that has reduced the lawn area by 24%. What are the total dimensions of his back yard?

1] 51x75 ft.

2] 55x39 ft

3] 49x28 ft.

4] 73x59ft.

11. Complete the series: 5, 20, 24, 6, 2, 8, ?

1] 10

2] 12

3] 16

4] 22

12. In the earliest stages of common law, a party could have their case heard by a judge only upon the payment of a fee to the court, and then only if the case fits into one of the forms for which there existed a writ. At first the number of such formalized cases of action was very small, but judges invented new forms which brought more cases and greater revenues.

1] In most early cases, the plaintiff rather than the defendant prevailed

2] One of the motivating forces for the early expansion in judicial power was economic considerations

3] The initial common law decisions were inconsistent with one another and did not form a coherent body of law

4] Earlier judges often decided cases in an arbitrary and haphazard manner

13. To the editor: In 1960, an astronomer proposed a mathematical model for determining whether extraterrestrial life exists. It was based on the assumptions that life as we know it could exist only on a planet and that many stars are, like our Sun, orbited by planets. On the basis that there are nine planets in our solar system and one of them has life as we know it, the astronomer predicted that there are as many as one million extraterrestrial civilizations across all solar systems. Yet astronomers to date have not detected even one planet outside our solar system. This indicates that the astronomer's model is wrong, and life as we know it exists only on the planet Earth. ---

Clay Moltz ---

Which one of the following, if accepted by Clay Moltz, would require him to reconsider his conclusion?

1] forms of life other than life as we know it exist on other planets. 2] There are many stars that are not orbited by planets.

- 3] Detecting planets outside our solar system requires more sophisticated instruments than are currently available.
- 4] The soundness of the conclusion reached by applying a mathematical model depends on the soundness of the assumptions on which the model is based.

14. Mr. Verma has four different paintings that he wishes to divide among his three children. In how many different ways can he do this if every child must get at least one painting and all four paintings are different?

- 1] 48                      2] 18                      3] 36                      4] 72

15. A van travels a maximum of 100 km/h. Its speed decreases in proportion to the number of passengers. The van can carry a maximum of seven people. Given that the van can travel 88 km/h with 3 people in the van. What will be the speed of the van when 6 people are on board?

- 1] 72 km/h                      2] 74 km/h                      3] 76 km/h                      4] 78 km/h

### Section 3: Quantitative and Analytical Ability (15 questions)

1. Graph based testing comes under which testing methods?

- 1] White Box                      2] Black Box  
3] Green Box                      4] Yellow Box

2. The output of the code fragment is  
`int d[] = {0, 2, 4, 6, 8};  
printf ("%d/n", d? *d + 1 : *d + 2);`

- 1] 2                      2] 1                      3] 4                      4] Syntax error

3. Where should the P8 and P9 connectors be plugged and how should they be oriented?

- 1] The P8 and P9 connectors provide power to the hard disk drive and can be plugged in only one way.  
2] The P8 and P9 connectors are plugged into the motherboard with the ground leads (black wires) toward the outside of the connectors.  
3] The P8 and P9 connectors are plugged into the motherboard with the ground wires (black leads) towards the center of the connectors.  
4] The P8 and P9 connectors provide power to the CD-ROM drive and can be plugged in only one way.

4.

To test a function, the programmer has to write a \_\_\_\_, which calls the function and passes it test data. 1] Stub 2] Driver 3] Proxy 4] None of the above

5. Which testing methods are used by end-users who actually test software before they use it?

- 1] Alpha and Beta Testing      2] White Box Testing

3] Black Box Testing      4] Trial and Error Testing

6. One goal of abstract data type is -
- 1] To provide for separate compilation of instance variables and class methods
  - 2] To ensure regeneration of all separate common blocks and declarations

3] To hide unnecessary details from units outside the encapsulation that uses that type  
4] To define all primitive data types in platform-dependent implementations

7. What is the path of communication between an application and UDP?

- 1] Port 21                      2] Serial port                      3] UDP port                      4] Parallel port

8. The contents of a file will be lost if it is opened in

- 1] a mode                      2] w+ mode                      3] a+ mode                      4] r mode

9. Consider the following

program Main ()

```
{  
int i = 7  
if (0 ==  
fork ()) i +  
= 10;  
else  
{  
Wait (0);  
printf  
("d",i);  
}  
}
```

1] The statement i + = 10 is executed by the

child only 2] The statement i + = 10 is

executed by the parent only

3] The child can start executing, only after the termination of the

parent process 4] None of these

10. IN WHICH OF THE CASES, the content inside if statement will not execute

- 1] if(-100)                      2] if(0)                      3] if (23.45)                      4] All of the  
above

11. Cryptography technique is used in \_\_\_\_\_.

- 1] Polling                      2] Job Scheduling                      3] Protection                      4] File  
Management

12. An organized collection of logically related data is known as

- 1] Data                      2] Meta data  
Data versus  
3] Database                      4] Information

13. An optimal scheduling algorithm in terms of minimizing the average waiting time of a given set of processes is \_\_\_\_\_.

- 1] FCFS scheduling algorithm  
2] Round robin scheduling algorithm  
3] Shortest job - first scheduling  
algorithm 4] None of the above

14. What is the difference between public and private inheritance?

- 1] Under public inheritance, public and protected members of the base class have their same status in the derived class



- 2] Under private inheritance, public and protected members of the base class all become private members of the derived class.
- 3] Both A & B
- 4] None of these

15. The output of an OR gate is LOW when

- 1] All inputs are LOW
- 2] LOW when any input is
- 3] when any input is HIGH
- 4] HIGH when all inputs are

## Answer set

### Section 1: Verbal Ability

- 1. 3
- 2. 2
- 3. 2
- 4. 3
- 5. 2
- 6. 4
- 7. 1
- 8. 4
- 9. 2
- 10. 1
- 11. 3
- 12. 3
- 13. 3
- 14. 2
- 15. 1
- 16. 4
- 17. 4
- 18. 3
- 19. 3
- 20. 2

### Section 2: Quantitative and Analytical Ability

- 1. 3
- 2. 3
- 3. 2
- 4. 3
- 5. 2
- 6. 3
- 7. 3
- 8. 2
- 9. 1
- 10. 1
- 11. 2
- 12. 2

13.3  
14.2  
15.3

### Section 3: Technical Ability

1. 2  
2. 4  
3. 1  
4. 2  
5. 1  
6. 3  
7. 1  
8. 2  
9. 3  
10.2  
11.3  
12.3  
13.3  
14.1  
15.1

