

Wipro Aptitude Test consists of three sections:

**Section A: Verbal Ability** (15 Questions): Analogies, Fill in the blanks, Synonyms, Antonyms, Idioms, Punctuation, Basic grammar, Reading Comprehension, Jumbled Words, Direct/Indirect, Active/Passive.

**Section B: Quantitative and Reasoning** (15 Questions): Profit & Loss, Simple Interest, Ages, Probability, Permutation-Combination, Speed, Time & Distance, Work & Time, Percentage, Average, Pipes & Cistern, Mixture & Allegation, Ratio Proportion, Train, Boats & stream, Number system, Pie chart, Bar-graph, Line-graph, Set Theory and Venn Diagrams, Blood Relations, Seating Arrangements, Puzzles, Analytical Reasoning

**Section C: Technical** (20 Questions): Most of the questions are from C/C++, Data Structures, Unix and O/S. It might also have general awareness questions on Computers. Networking and microprocessors is also important.

**dm Quick Tip:** There is no sectional time limit. There is no negative marking. The strategy should be to solve 50 % correctly. The sectional cut off for the above three sections could be : 6-8, 7-9, 8-10. Overall cutoff of around 26-28 could be expected.

*This mock contains questions that have appeared in real test. Students are advised to practice all these questions thoroughly. For better grasp similar questions from various resources should also be practiced.*

### SECTION: I- VERBAL

**Direction (for question 1 to 4):** Read the following passage carefully and answer the following questions:

Ichneumon wasps are a family (Ichneumonidae) of insects in the order Hymenoptera. While the life cycle of most ichneumons is still largely undocumented, observation of some of the known species of the order enables it to relate some established facts. Most ichneumons overwinter in the pupal stage, although a few species overwinter as adult fertilized females. In spring, after emerging from their pupae, the adults mate; the females of the species seek out other insects in which to lay their eggs. Unlike other members of the order Hymenoptera, which includes bees and ants as well as wasps, almost all species of ichneumon wasps are parasitic. Most parasitize only one species; a particular favorite is the moth or butterfly caterpillar. Virtually all the life cycle - barring the adult stage - takes place inside other insects, making observation difficult. It seems, however, that most eggs hatch while the host is still alive; wasp larvae usually live inside the host without killing it. Occasionally, the wasp begins its own development in one stage of its host's own life cycle, and will not mature until the host itself has transformed into another stage.

Adult ichneumons may be observed moving about flowers and leaves, feeling these with their antennae, searching for the prey on which they will parasitize. Many of the larger ichneumons lay their eggs on caterpillars and in the cocoons of large silk moths. If an insect is living and active, one cannot determine by observation alone whether it has been parasitized. However, dryness and brittleness of dead caterpillars and cocoons are often the signs that these had served as hosts to an ichneumon. The presence of small, hard, oval pupal cases inside the remains of the caterpillar or cocoon will corroborate these signs.

*Megarhyssa macrurus*, one of the largest ichneumons, lays its eggs in the developing larva of the horntail, a primitive wasp whose larva feeds in tunnels inside wood. The female *Megarhyssa* uses her antennae to sense the vibrations of the horntail larvae inside the wood; her ovipositor penetrates through the wood, allowing her to lay her eggs in the horntail larvae. The eggs develop in the larvae, killing them when they are fully grown. The wasp pupates in the horntail tunnel, and chews its way through the bark upon maturity.

- Over winter, in paragraph one, most likely means: (a) to hibernate (b) to camouflage oneself (c) to metamorphose (d) to lower one's body temperature (e) to avoid the cold
- The main idea behind this passage is: (a) a scientific description of larvae (b) detail about wasps (c) a specific study on ichneumons (d) the formation of cocoon (e) the life cycle of an insect
- The synonym of "CORROBORATE" here is : (a) support (b) unbelief (c) contract (d) incorporated (e) sensational
- The synonym of "PARASITIC" here is : (a) scrounging (b) motivating (c) self-sufficient (d) unconventional (e) incorporated

**Direction (for question 5 to 7):** Each sentence below has one or two blanks, each blank indicating that something has been omitted. Beneath the sentence are five lettered words or sets of words. Choose the word or set of words for each blank the best fits the meaning of the sentence as a whole:

- To the cynic, there are no wholly altruistic, unselfish acts; every human deed is \_\_\_\_\_ an ulterior selfish motive. (a)independent of ; (b) emulated by; (c)distinguished as; (d)founded upon ; (e)similar to
- Like the theory of evolution, the big-bang model of the universe's formation has undergone modification and \_\_\_\_\_, but it has \_\_\_\_\_ all serious challenges. (a)alteration...confirmed; (b)refinement...resisted; (c)transformation...ignored; (d)evaluation...acknowledged; (e)refutation...misdirected



7. We have in America a \_\_\_\_\_ that is neither American, Oxford English, nor colloquial English, but \_\_\_\_\_ of all three. (a) Motley... an enhancement ; (b) hybrid... a combination; (c) nasal... a blend; (d) mangled... a medley; (e) formal... a patchwork.

**Direction (for question 8 to 10):** In each of the following questions, a related pair of words or phrases is followed by five lettered pairs of words or phrases. Select the lettered pair that best expresses a relationship similar to that expressed in the original pair.

8. FANS: BLEACHERS:: (a) cheerleaders : pompoms (b) audience : seat (c) steam : goalposts (d) conductors : podium (e) referee : decision  
 9. AUGER: BORE:: (a) awl : flatten; (b) bit : grind; (c) plane : smooth; (d) scythe : mash; (e) mallet : pierce  
 10. SCURRY: MOVE (a) chant : sing; (b) chatter : talk; (c) carry : lift; (d) sleep : drowse ; (e) limp : walk

**Direction (for question 11 to 12):** Complete the following sentences with the appropriate words given below:

11. Criticism that tears down without suggesting areas of improvement is not \_\_\_\_\_ and should be avoided if possible.  
 (a) representative (b) constructive (c) mandatory (d) pertinent (e) sagacious  
 12. As I am not an ardent admirer of the work of George Eliot, simple justice demands a prefatory \_\_\_\_\_ her many admirable qualities.  
 (a) skepticism regarding (b) effusion over (c) denial of (d) tribute to (e) dismissal of  
 13. (Convert into simple sentence) "That was a summer day. He was walking alone. There was scorching heat".  
 14. (Change into passive voice) "The truck driver took his son to the school".  
 15. (Replace the underlined word by a proper idiom) "It's raining heavily outside."

### SECTION: II- QUANTITATIVE AND REASONING

16. Cubic root of 3375=? a) 15 b) 25 c) 35 d) 45  
 17. 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  
 18. In a family Reshma is elder sister of Ragini. Soni is Reshma's daughter and Saloni is Soni's cousin. Ragini's mother is Rajani. Ramani is the sister-in-law of Reshma. Who is Soni's grandmother?  
 (a) Reshma (b) Ragini  
 (c) Rajani (d) Ramani  
 19. The length of a rectangle is twice its breadth. If its length is decreased by 5 cm and breadth is increased by 5 cm, the area of the rectangle is increased by 75 sq.cm. Find the length of the rectangle. (a) 20 (b) 25 (c) 30 (d) 40  
 20. In a family, a couple has a son and a daughter. The age of the father is three times that of his daughter and the age of the son is half of his mother. The wife is nine years younger to her husband and the brother is seven years older than his sister. What is the age of the mother?  
 (a) 40 (b) 45 (c) 50 (d) 60  
 21. After spending 2/3 of his salary on rent and food items and 1/4<sup>th</sup> of the remaining on transportation, Rajesh has 6000 with him. How much did he pay on transportation? (a) Rs.2000 (b) Rs.4000 (c) Rs.6000 (d) Rs.1000  
 22. Complete the series: 1 2 8 9 15 16 ? (a) 22 (b) 12 (c) 25 (d) 30

**Direction (for question 23 to 24):** The problems below contain a question and two statements giving certain data. You have to decide whether the data given in the statements are sufficient for answering the questions. The correct answer is

- (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.

23. 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  
 (a) A (b) B (c) C (d) D  
 24. 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  
 (a) A (b) B (c) C (d) D  
 25. One ball was dropped from 8ft height and every time it goes half of the height. How much distance it will travel before coming to rest?  
 (a) 24 (b) 20 (c) 54 (d) 48  
 26. A, B, C, D, E, F are to be given adjacent rooms. The rooms don't have complete walls between them rather sound, smoke can easily get through from one to another as there are gaps over a wall for free exchange of air. Miss C the head is allotted room no 5 as wished by her. Miss E needs a telephone for regular communication. Mr. A & Mr. B prefer to have adjacent rooms. Mr. B and D are chain smokers. Miss C is allergic to cigarette smoke. Which slot is best for Mr. A? (a) 2 (b) 3 (c) 4 (d) 6  
 27. A dog takes 4 leaps for every 5 leaps of a hare but 3 leaps of a dog are equal to 4 leaps of the hare. Compare their speeds.  
 (a) 4:5 (b) 5:4 (c) 3:4 (d) 16:15



28. In a film festival Amitabh, SRK, Kamal Hassan, Hrithik and Subhash Ghai, Maniratnam and Yash Chopra are available as judges. A team of three is to be sent. The team must contain at least one actor and one director. If SRK is selected Kamal Hassan should also be selected and vice versa, If Amitabh is selected Subhash Ghai cannot be selected. If Hrithik is selected Maniratnam is also selected and vice versa. What should be the team if Amitabh is selected?  
 (a) SRK and Kamal Hassan (b) Maniratnam and Hrithik (c) Subhash Ghai and SRK (d) Cannot be determined.
29.  $H = A+B -R$ ,  $F = H + I$ ,  $T = F + A - C+ D$ ,  $S = T/2$ ,  $R = A*S$   $R = B/S$   $S = 3*R$ ; If F is to be derived what is also needed to be derived? (a) S (b) Q (c) R (d) T
30. The average of 4 consecutive even numbers is 27. What is the largest number? (a) 30 (b) 40 (c) 25 (d) 32

**SECTION: III TECHNICAL**

31. 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
32. Transponders are used for which of the following purposes (a) Uplinking (b) Downlinking (c) Both (a) and (b) (d) None of the above
33. 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
34. 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
35. What details should never be found in the top level of a top-down design? (a) Details (b) Coding (c) Decisions (d) None
36. In an absolute loading scheme, which loader function is accomplished by assembler  
 (a) Reallocation (b) Allocation (c) Linking (d) Both (a) and (b)
37. Banker's algorithm for resource allocation deals with (a) Deadlock prevention (b) Deadlock avoidance (c) Deadlock recovery (d) None
38. 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
39. 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
40. A feasibility document should contain all of the following except (a) Project name (b) Problem descriptions  
 (c) Feasible alternative (d) Data flow diagrams
41. 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
42. Which of the following is a broadband communications channel? (a) Coaxial cable (b) Fiber optic cable (c) Microwave circuits (d) All
43. Which of the following memories has the shortest access time?  
 (a) Cache memory (b) Magnetic bubble memory (c) Magnetic core memory (d) RAM
44. 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
45. In which of the following page replacement policies, Balady's anomaly occurs? (a) FIFO (b) LRU (c) LFU (d) NRU
46. Subschema can be used to: (a) Create very different, personalized 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
47. If  $A > B$  then  
 $F = F(G);$   
 else  $B > C$  then  
 $F = G(G);$   
 in this, for 75% times  $A > B$  and 25% times  $B > C$  and if 10000 instructions are there, then the ratio of F to G  
 (a) 7500:2500 (b) 7500:625 (c) 7500:2500 (d) 7500:625 if  $a=b=c$  else 7500:2500
48. In a compiler there is 36 bit for a word and to store a character 8 bits 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
49. 

```
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 as: (a) 8 (b) 9 (c) 6 (d) 12 (e) 15
50. Virtual memory size depends on (a) Address lines (b) data bus (c) Disc space (d) a & c (e) none

**All the Best! Happy Solving!**

Time for Evaluation	Attempted	Correct	Wrong



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