TCS Mock 2

Questions: 83   Time: 90 Mins

TCS conducts online test which consists of three sections:
Section A: Verbal Ability (32-35 Questions, 20 Minutes): *Two Comprehension Passages (5-6 Qs each), Fill in the blanks (5 Questions), Synonyms (10 Questions), Antonyms (10 Questions)*
Section B: Quantitative (32-35 Questions, 40 Minutes):*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, Venn Diagrams, Data Sufficiency.*
Section C: Reasoning (12-15 Questions, 30 Minutes): *3 analytical reasoning passages (4-5 questions each)*
You can't switch between different sections during test. Every section is well scheduled that will display after certain time. You can switch between different questions within a section. There is no negative marking.
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 A: Verbal Aptitude (37 Questions)   **Time: 20 mins**

Directions for questions 1-10: Select the **Synonym** for the given word from the five options

1.	Mawkish:	a] sentimental	b] true	c] certain	d] devious	e] carefree
2.	Mediocre:	a] average	b] bitter	c] medieval	d] industrial	e] agricultural
3.	Misdemeanor:	a] felony	b] peccadillo	c] indignity	d] fiat	e] illiteracy
4.	Copious:	a] plentiful	b] cheating	c] dishonorable	d] Adventurous	e] inspired
5.	Contraband:	a] purpose	b] rogue	c] rascality	d] difficulty	e] smuggling
6.	Condone:	a] build	b] evaluate	c] pierce	d] infuriate	e] overlook
7.	Décolleté:	a] flavored	b] demure	c] flowery	d] low-necked	e] sweet
8.	Sinister:	a] unwed	b] ministerial	c] evil	d] returned	e] splintered
9.	Frugality:	a] foolishness	b] extremity	c] indifference	d] enthusiasm	e] economy
10.	Baneful:	a] intellectual:	b] thankful	c] decisive	d] poisonous	e] remorseful

Directions for questions 11-20: Select the **Antonym** for the given word from the five options

11.	Misapprehension:	a] indignation	b] derision	c] intense speculation	d]approximate	e]correct interpretation
12.	Extirpate:	a] dilate	b] implicate	c] proliferate	d] expostulate	e] incriminate
13.	Odium:	a] fragrance	b] monotony	c] idiosyncrasy	d] veneration	e] vigilance
14.	Lucid:	a] ornate	b] arrogant	c] embroiled	d] hapless	e] obscure
15.	Repudiate:	a] mislead	b] minimize	c] ascertain	d] isolate	e] accept
16.	Demise:	a] integrity	b] irritation	c] birth	d] excess	e] surmise
17.	Probity:	a] fallacy	b] improbability	c] conviction	d] depravity	e] avidity
18.	Gauche:	a] grotesque	b] tactful	c] rightful	d] fashionable	e] inane
19.	Hapless:	a] fortuitous	b] fortunate	c] fortified	d] forbidden	e] forestalled
20.	Prolixity:	a] near	b] disinclination	c] circuitousness	d] extremity	e] terseness

Directions for questions 21-25: Select the most appropriate choice to **Fill in the Blank**

21. 21. Although he was generally considered an extremely ------------- individual, his testimony at the trail revealed that he had been very --------------------.
A] intrepid-valiant   B] guileless-hypocritical   C] abstemious-temperate   D] meek-timorous
E] ingenuous- obtuse

22. The perpetual spinning of particles is much like that of a top , with one significant difference : unlike the top , the particles have no need to wound up , for --------------is one of their ---------------- properties.
A] revolution-radical   B] motion-intangible   C] rotation-intrinsic   D] acceleration-lesser
E] collision- hypothetical

23. Perry's critics in the scientific world ------------- that many of the observations he ha made during more than a decade of research in costa rica have been reported as ------------in popular magazines rather than as carefully documented case studies in technical journals.
A] intimate-hypotheses   B] charge- anecdotes   C] applaud- rumors   D] claim-scholarship
E] apologize – fabrications

24. Although he did not consider himself -----------, he felt that the inconsistencies in her story -------------- a certain degree of incredulity on his part.
A] an apostate-justified   B] an optimist- intimated   C] a hypocrite-demostrated   D] a charlatan-dignified
E] a skeptic – warranted

25. For centuries, physicists have had good reason to believe in the principle of equivalence propounded by Galileo: it has -------------many rigorous tests that -------------- its accuracy to extra ordinary precision.
A] endured-compromised   B] passed – presupposed   C] borne – postulated   D] survived – proved
E] inspired – equated

Directions for questions 26-37: Read the following **Comprehension Passages** and answer the questions by choosing the right option:

We now know that what constitutes practically all of matter is empty space ; relatively enormous voids in which revolve with lightning velocity infinitesimal particles so utterly small that they have never seen or photographed. Mathematical physicists have demonstrated the existence of these particles and their operations determined by ingenious laboratory experiments .It was not until 1911 that experiments by sir Ernest Rutherford revealed the architecture of the mysterious atom. Moseley, Bohr, Fermi, Millikan , Compton , Urey, and others have also worked on the problem.

Matter is composed of molecules whose average diameter is about 1/125 millionth of an inch. Molecules are composed of atoms so small that about 5 million could be placed in row on the period at the end of this sentence. Long thought to be ultimate , indivisible constituent of matter , the atom has been found to consist roughly of a proton , the positive electrical element in the atomic nucleus , surrounded by electrons , the negative electric elements swirling about the proton.

26. According to the passage , all of the following were true of the centre of the atom except that it
A] had not yet been seen by the naked eye   B] contained elements tat were positively charged
C] was very little larger than a molecule   D] followed experimentally determinable process
E] was smaller than 1 / 125 millionth of an inch

27. By referring to the period at the end of the sentence of the underlined section above , the author intends to point up the atom's
A] density   B] mystery   C] velocity   D] consistency   E] minuteness

28. Which of the following relationships most closely parallels the relationship between the proton and the electrons described in the passage?
A] a hawk to its prey   B] a blueprint to a framework   C] a planet to its satellite
D] a magnet to iron fillings   E] a compound to its elements

By passing more and more regulations allegedly to protect the environment, the state is driving the manufacturing industry away. And when the employers leave , the workers will follow. The number of new no-growth or environmental rules passed each year is increasing by leaps and bounds. Rich environmentalists who think that they are sympathetic to workers have no real sympathy for the blue-collar employees who are injured by their activities. One major manufacturer has been fined for failing to establish a car-pool plan. Another is accused of polluting the air with industrial emissions, although everyone knows that two thirds of the pollutants come from cars and trucks. No wonder the large manufacturers are moving to sates with fewer restrictive laws and as the manufacturing go, unemployment and the number of workers leaving the state will rise more rapidly than ever before.

29. The author's argument that the strict environmental laws will eventually lead to loss of workers in the state will be most weakened if it can be shown that
A] so far , the number of manufacturers who have left the state is small
B] the unemployment rate has climbed steadily in last three years
C] most workers who leave the state give as their reason for leaving the poor environmental quality
D] several other manufacturing states have restrict environmental laws
E] rich environmentalists are more powerful in many other states

30. Which one of the following is NOT an argument of this passage
A] Environmentalists are responsible for depriving workers of their jobs
B] When workers leave a state, it is a sign tat manufacturers will follow
C] a car-pool law should not be enforced , as cars and trucks are responsible for most of the air pollution
D] Large manufacturers prefer states with fewer restrictions
E] A rise in unemployment will lead to an increase in workers leaving the state

31. Grades on mid term test in Mr. Walsh chemistry class ranged from 68 to 97 .Any student who received below 75 or did not hand in all of the required lab reports must complete an extra credit project. If the above statement are true , which of the following statements must also be true ?
A] a student who earned an 83 on the mid term ad who handed in all the labs , may not do the extra credit project
B] most of the students in the class will not have to do the extra credit project
C] any student may , but is not required to , do the extra credit project
D] if john did all his labs and earned a 72 on the mid term , he will have to do the extra credit project

Alphine tunnels are closed tunnels. In the past 30 yrs not even a single accident has been recorded for there is one accident in the rail road system. Even in case of a fire accident, it is possible to shift the passengers into adjacent wagons and even the live fire can be detected and extinguished with in the duration of 30 min.

32. No accident can occur in the closed tunnels
    A] true   B] false   C] can't say   D] data insufficient   E] none of these
33. Fire is allowed to live for 30 min
    A] true   B] false   C] can't say   D] data insufficient   E] none of these
34. All the care that travel in the tunnels will be carried by rail shutters
    A] true   B] false   C] can't say   D] data insufficient   E] none of these

Modern Governments tend to attack and destroy the self respect of human beings. Little by little, they transform human beings into mare objects, conscious of themselves as such and forced in the end to despair of themselves. This happens not merely at the intellectual level but in the very depths of soul. These are the people who have lost their souls. 'Self Possession' is to have faith in the inner tribunal of conscience, a tribunal inviolate and indeed involved by any intrusion of external power, an inalienable inner sovereignty, an absolute possession of the self by the self. There is in us, a level of being, an order of reality, a spark of spirit.

35. The two types of people, as inferred the extract are_____
    A] The Government & the civilians   B] The holy & the evil   C) Those who have self dignity & those who have lost it
    D) God & human beings   E) All of the above
36. What do understand by the phrase 'to despair of themselves'?
    A) To loose self confidence   B) To be demoralized   C) To look down upon oneself   D) To be frustrated
    E) All of the above
37. What is the damage the Government causes?
    i) Destroys the self respect of human being
    ii) Looses self possession
    iii) Enhances inner sovereignty
    A) i only   B) ii only   C) iii only   D) i & ii   E)   ii & iii

Section B: Quantitative Aptitude (34 questions)   Time: 40 mins

38. A frog starts climbing 15 feet wall. Each hour he climbs 3 feet and rests for 30 minutes. During rest, he slips back 2 feet. How many hours does the frog take to reach the top?   (a) 19 hrs   (b) 19.5 hrs   (c) 20 hrs   (d) 21 hrs   (e) none of these
39. A class of 100 students. 24 of them are girls and 32 are not. Which base am I using?   (a) 2   (b) 3   (c) 4   (d) 5   (e) 6
40. The matrix of a(7,9) was given. The address of the first byte of a(1,1)=3000.it takes 4 bytes to store the number. Then calculate the address of the last byte of a(5,8).   (a) 3212   (b) 3022   (c) 3176   (d) 5520   (e) none of these
41. When asked what the time is, a person answered that the amount of time left is 1/5 of the time already completed. What is the time?   (a) 8 p.m. (b) 8 a.m. (c) 12 p.m. (d) 12 a.m. (e) none of these
42. What is the max possible 3 digit prime number? (a) 999   (b) 251   (c) 253   (d) 997   (e) 127
43. The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent?
    (a) 200 ms   (b) 20 ms   (c) 30   (d) 300   (e) none of these
44. My flight takes of at 2 AM from a place at 18N10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed?   (a) 6:00 am   b) 6:40am   c) 7:40   d) 7:00   e) 8:00
45. Gavaskar average in first 51 innings was 51. After the 52 nd innings his average was 52 how many runs did he make in the 52nd innings?   (a) 103   (b) 101   (c) 100   (d) 51   (e) 52
46. Select the odd one out.   (a) Java   (b) Lisp   (c) Smalltalk   (d) Eiffel   (e) JSP
47. Perimeter of the back wheel = 9 feet, front wheel = 7 feet on a certain distance, the front wheel gets 10 revolutions more than the back wheel .What is the distance?   (a) 315   (b) 215   (c) 312   (d) 300
48. Two trains 200 km from each other are moving at the speed of 50 km/hour to encounter. From one train a fly takes off, flying straight (upon the rails) to the other train at the speed of 75 km/hour, bounces away from it and flies back to the first train. This is repeated till the trains crash to each other and the fly is smashed. What distance is the fly able to fly until its judgment moment?   (a) 150 km   (b) 100 km   (c) 115 km   (d) 125 km   (e) none of these
49. If a man can swim downstream at 6kmph and upstream at 2kmph, his speed in still water is:
    (a) 4kmph   (b) 2kmph   (c) 3kmph   (d) 2.5kmph   (e) none
50. Diophantus's youth lasted 1/6 of his life. He had the first beard in the next 1/12 of his life. At the end of the following 1/7 of his life Diophantus got married. Five years from then his son was born. His son lived exactly 1/2 of Diophantus's life. Diophantus died 4 years after the death of his son. How long did Diophantus live?
    (a) 78   (b) 84   (c) 54   (d) 100   (e) none of these

51. A traveler walks a certain distance. Had he gone half a kilometer an hour faster \, he would have walked it in 4/5 of the time, and had he gone half a Kilometer an hour slower, he would have walked 2 ½ hr longer. What is the distance?
    a) 10 Km   b) 15 Km   c) 20 Km   d) data Insufficient   (e) none

52. A ship leaves on a long voyage. When it is 18 miles from the shore, a seaplane, whose speed is 10 times that of the ship, is sent to deliver mail. How far from the shore, does the seaplane catch up with the ship?
    a) 24 miles   b) 25 miles   c) 22miles   d) 20 miles   e) none of these

53. In a circular racetrack of length 100 m, three persons A, B and C start together. A and B start in the same direction at speeds of 10 m/s and 8 m/s respectively. While C runs in the opposite at 15 m/s. When will all the three meet for the first time on the after the start?
    a) After 4 s b) After 50 s c) After 100 s d) After 200 s (e) non of these

54. Amal bought 5 pens, 7 pencils and 4 erasers. Rajan bought 6 pens, 8 erasers and 14 pencils for an amount which was half more than what Amal had paid. What % of the total amount paid by Amal was paid for pens? a) 37.5% b) 62.5% c) 50% d) 37 % (e) none of these

55. A non stop bus to Amritsar overtakes an auto also moving towards Amritsar at 10 am. The bus reaches Amritsar at 12.30 pm and starts on the return journey after 1 hr. On the way, back it meets the auto at 2 pm. At what time the auto will reach Amritsar? a) 2.30pm b) 3.00pm c) 3.15pm d) 3.30pm   (e) none of these

56. The cost of one pencil, two pens and four erasers is Rs.22 while the cost of five pencils, four pens and two erasers is Rs.32.How much will three pencils, three pens and three erasers cost?   (a) 27 (b) 25 (c) 32 (d) 33 (e) none of these

57. A car has run 20000 miles using 5 tyres interchangeably. If all the tyres were used equally in sustaining this mileage, then how many miles did each tyre sustain?   (a) 4000 miles (b) 5000 miles (c) 20000 miles (d) 16000 miles (e) data insufficient

58. A clock takes 7 seconds to strike 7.How long will the same clock take to strike 10? (a) 9.5 (b) 10 (c) 10.5 (d) 11 (e) none of these

59. There are 100 wine glasses .I offered my servant to 3 paisa for every glass to be delivered safely and forfeit 9 paisa for every glass broken. At the end of day, he received Rs 2.40.How many glasses did he break?   (a) 20 (b) 73 (c) 5 (d) 8 (e) 80

60. A standard sized cigarette can be rolled out with 6 cigarette butts. How many cigarettes can be rolled out for 36 cigarettes? (a) 6 (b) 7 (c) 8 (d) 9 (e) 10

61. A certain distance is covered by traveling at 60 kmph for a part of the distance and at a 45 kmph for the remaining distance. If the distance traveled a car at the speed of 60 kmph is two-thirds the distance traveled by it at the speed of 45 kmph, calculate the average speed of the entire journey?

62. (a) 45 kmph (b) 50 kmph (c) 37 kmph (d) 60 kmph (e) 70 kmph

63. A is 20 percent more efficient than B. If the two persons can complete a piece of work in 60 days, in how many days A working alone can complete the work?   (a) 80 (b) 90 (c) 100 (d) 110 (e) 22

64. What number should be subtracted from each of 42,61,18,25 so that the remainders are in proportional?   (a) 3 (b) 2 (3) 1 (4) 0 (e) none of these

65. Due to the severe financial setback, a family wanted to reduce the expenditure on rice by 19 % .But due to the severe drought , the price of rice went up by 8 %. By what percentage should the consumption of rice be reduced by the family to achieve the desired result?   (a) 27 (b) 8 (c) 11 (d) 25 (e) none

66. In an examination series, which consists of 5 exams, Arvind scored an average of 60 marks in the first 3 exams and an average of 70 in the last 4 exams, what is the average score of Arvind for the first and last two exams if his average score of all the five exams is 65?(a) 65 (b) 63 1/3 (c) 60 (4) 62

67. On a certain island, 5% of the 10000 inhabitants are one-legged and half of the others go barefooted. What is the least no. of shoes needed in the island? (a) 10000 (b) 500 (c) 9500 (d) data insufficient (e) none of these

68. A property was originally on a 99 year lease and two thirds of the time passed is equal to the four fifths of the time to come. How many years are there to go?   (a) 40 (b) 50 (c) 60 (d) 55 (e) 45

69. In 8*8 chess board what is the total number of squares? (a) 64 (b) 16 (c) 204 (d) 248 (e) 264

70. g[0]=1,g[1]=-1,g[n]=2*g[n-1]-3*g[n-2] then calculate g[4]= ?   (a) 0 (b) 1 (c) 2 (d) 3 (e) 4

71. When I become as old as my father is now, I will be 5 times the age of my son. In addition, my son will be 8 yrs older than what I am now. If the sum of my father's age and my age is equal to100. How old is my son now? (a) 10 (b) 11 (c) 12 (d) 13 (e) none of these

Section C: Analytical Reasoning (12 Questions)   **Time: 30 mins**

Directions for questions 72-83: These questions are based on the following piece of information; choose the right option for each question after carefully analyzing the given information

Airdale, Boxer , Collie and Doberman win top for prizes in the kennel show. Their owners are Mr. Edwards , Mr. Foster , Mr. Grossman and Mrs. Huntley not necessarily in that order. Their dogs names are Jack , Kelly , Lad and Max not necessarily in that order.

a) Mr. Grossman 's dog wins neither first nor second prize.

b] The collie wins first prize.

c] Max wins second prize

d] The Airdale is jack

e] Mr. Foster's dog, the Doberman wins fourth prize.

f] Ms. Huntley 's dog is Kelly

72. First prize is won by   a] Mr. Edward's dog   b] Mr. Huntley's dog   c] Max   d] Jack   e] Lad
73. Mr. Grossman ' s dog   a] is the collie   b] is the boxer   c] is the airdale   d] wins second prize   e] is Kelly
74. In which of the following are the dogs correctly listed in the descending order of their prizes
    I. Kelly; Airdale; Mr. Edwards dog
    II. The Boxer, Mr. Grossman 's dog ; Jack
    III. Mr. Edwards dog; the airdale; Lad   a] I only   b] II only   c] III only   d] I and II only   e] II and III only
75. Lad   a] is only by Mr. Foster   b] is owned by Mr. Edwards   c] is the Boxer   d] is the collie   e] wins third prize

THE Hotel Miramar has two wings , the East wings and the West wings. Some East wing rooms, but not all, have an ocean view. All West Wing rooms have a harbor view. The charge for all rooms is identical, except as follows:

There is an extra charge for all harbor view rooms on or above the third floor.

There is extra charge for all ocean view rooms, except those without balcony.

Some harbor view rooms on the first two floors and some east wing rooms without ocean view have kitchen facilities , for which there is an extra charge.

Only the ocean view and harbor view rooms have balconies.

76. A guest may avoid extra charge by requesting
    A] a west wing room on one of the first two floors   B] a west wing room on the fourth floor without balcony
    C] an east wing room without an ocean view   D] an east wing room without balcony   E] any room without kitchen facilities

77. Which of the following must be true if all the conditions are satisfied
    A] all rooms above the third floor involve an extra charge. B] no room without an ocean or harbor view of kitchen facilities involve an extra charge C] there is no extra charge for any east wing room without an ocean view   D] there is no extra charge for any room without kitchen facilities   E] there is an extra charge for all rooms with an ocean or harbor view

78. Which of the following must be false if all conditions are satisfied.
    A] some ocean view rooms do not involve an extra charge   B] all room with kitchen facilities involve an extra charge
    C] some west wing rooms above the second floor do not involve an extra charge   D] some harbor view rooms do not involve an extra charge   E] some rooms without a balcony or kitchen facilities involve an extra charge

79. Which of the following cannot be determined on the basis of the information given above.
    I. Whether there are any rooms without a balcony for which an extra charge is imposed
    II. Whether any room without a kitchen or a view involves an extra charge
    III. Whether two extra charges are imposed for any room
    A] I only   B] II only   C] I and III only   D] II and III only   E] I , II and III

Every night at Pirandello's, the owner,Carlo, chooses five dinner specials, each one from a different one of the seven categories-beef,chicken,duck,fish,pasta,seafood and veal.In making his decision each night Carlo always adheres to the following condition: He chooses exactly one poultry dish:chicken or duck. Whenever there is fish special , there is also a pasta special. Duck is never offered on a night when there is beef special.

80. On a night when carlo offers a beef special , which of the following must be offered?
    A] chicken   B] duck   C] fish   D] pasta   E] veal
81. Which of the following could be a list of the five specials for one night?
    A] beef, chicken, duck , pasta , fish   B] beef, fish , pasta , fish , seafood , veal
    C] beef , chicken , fish, seafood, veal   D] beef , duck , fish ,pasta , veal   E] beef, chicken ,fish ,pasta , seafood
82. If there is no chicken special one night , which is the other dish that is not on special?
    A] beef   B] duck   C] pasta   D] seafood   E] veal
83. One night Carlo decides to offer only four specials , one of which is beef. In how many ways can he make up the list of specials?   A] 2   B] 3   C] 4   D] 5   E] 6

All the Best! Happy Solving!

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