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TCS Placements Papers 28 Jan 2010

1) APTITUDE TEST:

Questions = 82 ; time limit = 90 minutes. no negative marking. Offline (paper & pen) test and a PSYCHOMETRY TEST also.

Section 1: VERBAL (32 Questions ,20 minutes)

Directions for questions 1-10: Find the synonyms of the following words

1. Depreciation

A. appreciation B. Deflation C. rise D. None of these

Ans: B

2. Circumspect

A Condition B Inspect C. Cautious D Reckless

Ans: C

3. Abysmal

A. Slight B. Deep C. Illustrious D. Terrible

Ans: D

4. Diligent

A. hardworking B. delinquent C. neglectful D. remiss

Ans: A

5. Vehement

A. Passionate B. Confess C. Noisy D Moquis

Ans: A

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6. Impetus
A. Connect B. Crucial C. Stimulus D Immediate

Ans: C

7. Acronym
A. Abbreviation B. Similar C. analogous D. correspondent

Ans: A

8. Disseminate
A. Forecast B. Spread C Barns D. unextended

Ans: B

9. Harbinger
A. Naval B. Uncommon C. Fore Runner D. Glory

Ans: C

10. Ponderous
A. light B. cumbersome C. interesting D. None of these

Ans: C

Directions for questions 11-20: Find the Antonyms of the following words

- 11) Tractable
A. Objectionable B. Enjoyable C. Adaptable D. Obstinate

Ans: A

- 12) Covert
A. Manifest B. Invisible C. Scared D. Alter

Ans: A

- 13) Pensive
A. Repentant B. Sad C. Thoughtless D. Careless

Ans: C

- 14) Mitigate
A. Aggravate B. Relieve C. Eliminate D. Exhume

Ans: A

- 15) Divergent
A. Contrary B. Coming Together C. Conversant D. Controversy

Ans: B

- 16) Dogmatic
A. Skeptical B. Resilient C. Stubborn D. Suspicious

Ans: D

- 17) Clutch
A. Hold B. Grab C. Release D. Spread

Ans: C

- 18) Motley
A. Bulky B. Speckled C. Homogeneous D. Different

Ans: C

- 19) Relinquish
A. Pursue B. Vanquish C. Destroy D. Devastate

Ans: A

- 20) Transient
(I) Permanent (II) Removed C. ephemeral D. passing

Ans: A

Directions for Questions 21-26: Read the passage and answer the questions that follow on the basis of the information provided in the passage.

Nature is like business. Business sense dictates that we guard our capital and live from the interest. Nature's capital is the enormous diversity of living things. Without it, we cannot feed ourselves, cure ourselves of illness or provide industry with the raw materials of wealth creation. Professor Edward Wilson, of Harvard University says, "The folly our descendants are least likely to forgive us is the ongoing loss of genetic and species diversity. This will take millions of years to correct".

Only 150 plant species have ever been widely cultivated. Yet over 75000 edible plants are known in the wild. In a hungry world, with a population growing by 90 million each year, so much *wasted* potential in tragic. Medicines from the wild are worth around 40 billion dollars a year. Over 5000 species are known to yield chemical with [cancer](#) fighting potential Scientists currently estimate that the total number of species in the world is between 10-30 million with only around 1.4 million identified.

The web of life is torn when mankind exploits natural resources in short-sighted ways. The trade in tropical hardwoods can destroy whole forests to extract just a few commercially attractive specimens. Bad agricultural practice *triggers* 24 billion tonnes of top soil erosion a year losing the equivalent of 9 million tonnes of grain output. Cutting this kind of unsuitable exploitation and instituting "sustainable utilisation" will help turn the environmental crisis around.

21. Why does the author compare 'nature' to business ?

- A) Because of the capital depletion in nature and business
- B) Because of the similarity with which one should use both
- C) Because of the same interest level yield
- D) Because of the diversity of the various capital inputs.

Ans : B

22. "The folly our descendants are least likely to forgive us". What is the business equivalent of the folly the author is referring to ?

- A) Reducing the profit margin
- B) Not pumping some money out of profits into the business
- C) Eroding the capital lease of the business
- D) Putting interest on capital back into the business

Ans: C

23. Which of the following statements is false in context of the given passage ?

- A) The diversity of plant life is essential for human existence
- B) Scientists know the usefulness of most plant species
- C) Chemicals for cancer treatment are available from plants.
- D) There are around ten times the plant species undiscovered as compared to the discovered ones

Ans: B

24. Which of the following correctly reflects the opinion of the author to take care of hunger of the world ?

- A) Increase the number of the edible plants being cultivated.
- B) Increase cultivation of the 150 species presently under cultivation
- C) Increase the cultivation of medical plants
- D) Increase the potential of the uncultivated edible plants ?

Ans: D

25. Which of the following is mentioned as the immediate cause for the destruction of plant species ?

- A) Soil Erosion
- B) Destruction of habitat
- C) Cultivation
- D) Agricultural practices

Ans: B

26. Choose the word which is nearly same in meaning to the given word as used in the passage,

Wasted

- A) Consumed B) Squandered C) Unutilized D) Unprofitable

Ans: C

Directions 27-32 : Pick out the most effective word from the given words to fill in the blank to make the sentence meaningfully complete.

27. Priya is not..... for this kind of a job

- A) cut in B) cut up C) cut through D) cut out

Ans : D

28. He left the book..... the telephone

- A) around B) beside C) besides D) at

Ans : B

29. The waiter took the plates.....after we had finished eating

- A) up B) off C) away D) out

Ans : C

30. It is fourteen years since I.....him

- A) saw B) have seen C) did see D) had seen

Ans : A

31. I have done my muddled but.....honest best

- A) never the less B) rather C) none of these

Ans : C

32. It is mainly due to their lethargy that the plan fell.....

- A) over B) out C) through D) off

Ans : C

Section 2: QUANTITATIVE/LOGICAL REASONING (38 questions , 40 minutes)

1. There are 150 weights .Some are 1 kg weights and some are 2 kg weights. The sum of the weights is 260.

What is the number of 1kg weights?

Ans. 40

2. A is driving on a highway when the police fines him for over speeding and exceeding the limit by 10 km/hr. At the

same time B is fined for over speeding by twice the amount by which A exceeded the limit. If he was driving at

35 km/hr what is the speed limit for the road?

Ans. 15 kmph

3. A moves 3 kms east from his starting point . He then travels 5 kms north. From that point he moves 8 kms to the

east. How far is A from his starting point?

Ans. 13 kms

4. A car travels 12 kms with a 4/5th filled tank. How far will the car travel with 1/3 filled tank?

Ans. 5 kms

5. The sum of the digits of a two digit number is 8. When 18 is added to the number, the digits are

reversed. Find
the number?

Ans. 35

6. 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?

Ans. 27

7. Fathers age is 5 times his son's age. 4 years back the father was 9 times older than son. Find the fathers' present age.

Ans. 40 years

8. What number should be added to or subtracted from each term of the ratio $17 : 24$ so that it becomes equal to $1 : 2$?

Ans. 10 should be subtracted

9. What is the 12th term of the series 2, 5, 8,

Ans. 35

10. If 20 men take 15 days to to complete a job, in how many days can 25 men finish that work?

Ans. 12 days

11. In a fraction, if 1 is added to both the numerator at the denominator, the fraction becomes $\frac{1}{2}$. If numerator is subtracted from the denominator, the fraction becomes $\frac{3}{4}$. Find the fraction.

Ans. $\frac{3}{7}$

12. If Rs.1260 is divided between between A, B and C in the ratio 2:3:4, what is C's share?

Ans. Rs. 560

13. A shopkeeper bought a watch for Rs.400 and sold it for Rs.500.What is his profit percentage?

Ans. 25%

14. What percent of 60 is 12?

Ans. 20%

15. Hansie made the following amounts in seven games of cricket in India: Rs.10, Rs.15, Rs.21, Rs.12, Rs.18, Rs.19 and Rs.17(all figures in crores of course).Find his average earnings.

Ans. Rs.16 crore

16. If two pencils cost 8 cents, then how much do 5 pencils cost?

Ans. 20 cents

17. Some work is done by two people in 24 minutes. One of them can do this work alone in 40 minutes. How much time does the second person take to do the same work ?

Ans. 60 minutes

18. A car is filled with four and half gallons of fuel for a round trip.If the amount of fuel taken while going is $\frac{1}{4}$ more than the amount taken for coming, what is the amount of fuel consumed while coming back?

Ans.2 gallons

19. The lowest temperature in the night in a city A is $\frac{1}{3}$ more than $\frac{1}{2}$ the highest during the day. Sum of the lowest temperature and the highest temperature is 100 degrees. Then what is the low temp?

Ans.40 degrees

20. Javagal, who decided to go to weekened trip should not exceed 8 hours driving in a day. The average speed of forward journey is 40 miles/hr. Due to traffic on sundays, the return journey's average speed is 30 m/h. How far he can select a picnic spot?

Ans. 120 miles

21. A salesperson by mistake multiplied a number and got the answer as 3, instead of dividing the number by 3. What is the answer he should have actually got?

Ans. 3

22. A building with height D shadow upto G. What is the height of a neighbouring building with a shadow of C feet.

Ans. (C*D)/G

23. A person was fined for exceeding the speed limit by 10 mph. Another person was also fined for exceeding the same speed limit by twice the same. If the second person was travelling at a speed of 35 mph, find the speed limit.

Ans. 15 mph

24 A bus started from bus stand at 8.00am, and after staying for 30 minutes at a destination, it returned back to the bus stand. The destination is 27 miles from the bus stand. The speed of the bus is 18mph. During the return journey bus travels with 50% faster speed. At what time does it return to the bus stand?

Ans. 11.00am

25. In a mixture, R is 2 parts and S is 1 part. In order to make S to 25% of the mixture, how much of R is to be added?

Ans. One part of R

26. Wind flows 160 miles in 330 min, for travelling 80 miles how much time does it require?

Ans. 2 hrs 45 mins

27. With a 4/5 full tank a vehicle can travel 12 miles, how far can it travel with a 1/3 full tank

Ans. 5 miles

28. There are two trees in a lawn. One grows at a rate 3/5 of the other in 4 years. If the total growth of trees is 8 ft. What is the height of the smaller tree after 2 years

Ans. 1 1/2 feet

29. Refer to the figure below. A ship started from P and moves at a speed of I miles per hour and another ship starts from L and moving with H miles per hour simultaneously. Where do the two ships meet?

||---g---||---h---||---i---||---j---||---k---||---l---||

PG H I J K L are the various stops in between denoted by ||. The values g, h, i, j, k, l denote the distance between the ports.

Ans. Between I and J, closer to J

30. If A is travelling at 72 km per hour on a highway. B is travelling at a speed of 25 meters per second on a highway. What is the difference in their speeds in m/sec.

Ans. 1 m/sec

31. If the word 'ddosszm' is changed to 'central' then what will be the change for 'rtjbl' ?

Ans:quick

32. The word unimpressive was given.they asked us to do change 1st & 2nd,3rd & 4th,so on.then they asked what will be 10th letter from right?

Ans: m

33. The ques on a man,a woman and a boy finish work together in 6 days.man takes 10 days,woman takes 24 days then how much boy will take?

Ans:40 days

34. If DDMUQZM is coded as CENTRAL then RBDJK can be coded as -----

Ans. QCEIL

35. In the word ECONOMETRICS, if the first and second , third and forth ,forth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

Ans. word is CENOMOTEIRSC tenth word is R

36.Find the physical quantity in units from the equation: (Force*Distance)/(Velocity*Velocity)

Ans. Ns²/m

37. Find the value of @@+25-++@16, where @ denotes "square" and + denotes "square root".

Ans: 621

38. If $f(0)=1$ and $f(n)= f(n-1)*n$, find the value of $f(4)$.

Ans: 24

Section 3: **CRITICAL REASONING (12 questions , 30 minutes)**

Directions 1-12: Answer the questions given below the passage or statement as true, false or can't say.

PASSAGE : My father has no brothers. He has three sisters who has two child's each.

Answer 1-5 based on the passage

1. My grandfather has two sons .

Ans. False

2. Three of my aunts have two sons

Ans. Can't say

3. My father is only child to his father

Ans. False

4. I have six cousins from my mother side

Ans. Can't say

5. I have one uncle

Ans. Can't say (uncle can be from the mother's side as well)

PASSAGE: Ether injected into gallbladder to dissolve cholesterol based gallstones. This type one day treatment is enough for gallstones not for calcium stones. This method is alternative to [surgery](#) for millions of people who are suffering from this disease.

Answer questions 6-9 based on passage

6.Calcium stones can be cured in one day

Ans. False

7. Hundreds of people contains calcium stones

Ans. Can't say

8. Surgery is the only treatment to calcium stones

Ans. True

9. Ether will be injected into the gallbladder to cure the cholesterol based gall stones

Ans. True

PASSAGE : Hacking is illegal entry into another [computer](#). This happens mostly because of lack of knowledge of [computer networking](#). With networks one machine can access to another machine. Hacking go about without knowing that each [network](#) is accredited to use network facility.

Answer questions 10-12 based on passage

10. Hackers never break the code of the company which they work for

Ans. Can't say

11. Hacking is the only [vulnerability](#) of the computers for the usage of the data

Ans. False

12. Hacking is done mostly due to the lack of computer knowledge

Ans. False

THOSE WHO CLEAR APTITUDE PORTIONS OF THE TEST ARE ELIGIBLE FOR PSYCHOMETRY TEST.

Exactly similar to old pattern and old questions. Total 150 questions

Section 4: PSYCHOMETRY (30 MIN)

Psychometry

Direction:

In this section you will find different questions with the same meaning. In all such questions your answer has to be same. for e.g.:

In being thrown by chance with a stranger, you wait for the person to introduce himself or herself.

(a) Yes (b) No (c) ?

It is difficult for you to chat about things in general with people.

(a) Yes (b) No (c) ?

These two questions have similar meanings. If you answer the first one 'NO' and the second one 'YES', i.e. if you differ in your answers to similar questions you lose marks for every question with the above meaning.

The choices to these questions are:

(a) Yes.
(b) No.
(c) ?

Edited by shonzz - 12Apr2010 at 3:31pm

shonzz

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