

TCS Digital 3rd Oct, 2020 Slot 1 and Slot 2 - Analysis, Questions & Answers

This document details the analysis as well as Questions and Answers of the TCS Digital Slot 1 and Slot 2 conducted on 3rd Oct, 2020.

The test conducted on 3rd Oct 2020 only tested students on Part A of the TCS Digital Pattern (Verbal Ability and Quantitative Aptitude)

Pattern of the Part A Test:

Verbal Ability - 15 Questions - 10 minutes

Quantitative Aptitude - 15 Questions - 40 minutes

Syllabus:

The questions were asked from the following topics.

Verbal Ability-

1. Para Jumbles
2. Idioms
3. Sentence Completion
4. Reading Comprehension
5. Cloze Passage

Quantitative Aptitude -

1. Averages
2. Percentages
3. Simple Interest
4. Profit and Loss
5. Time, Speed and Distance
6. Permutations and Combinations
7. Numbers
8. Partnerships
9. Logical Puzzles

Analysis:

- The test flowed in a particular order. Verbal Ability had to be completed before moving to Quantitative Aptitude.
- There were both Fill in the blank as well as MCQ Questions.

- Marking scheme:
 - Correct Answer: + 2
 - Negative Marking: -0.67This is for both MCQs and Fill in the blank questions.
- The questions within the slot repeated between multiple test-takers.
- There was an on-screen calculator for the Quantitative Aptitude section.
- The test was web-proctored.
- There was 98% topic repetition from FACE Prep's TCS Digital Cracker as well as FACE's TCS Digital Live Training Classes.
- Several test takers found the test to be of medium difficulty level but found lack of time in the Verbal Ability section to be an area of concern.

Questions with Answers:

Please find below answers for questions asked in the test (as described by test-takers who have taken the test).

Slot 1:

Verbal ability:

1. Sentences of a paragraph are given here in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.
 - A. The skills to make India a global handloom hub exist but they are dying for lack of proper infrastructure and planning.
 - B. India has over nine million textile craftspeople, with skills unmatched by any other country.
 - C. Today 'handmade' and 'handloom' are becoming sought after international brands, and new markets and buyers are emerging.
 - D. These people also have an enormous repertoire of designs going back generations and creating textiles in hundreds of different techniques.
 - a. C, D, B, A
 - b. A, D, B, C
 - c. B, D, C, A
 - d. D, C, B, A

Answer: Option c

D, C, B, A

2. Select the option that is the meaning of the underlined words/segment in the given context. Please allow me to pick your brain on this topic.

- a. to find fault in you
- b. to talk to an intelligent person such as you
- c. to irritate you
- d. To obtain more information from you

Answer: Option d

To obtain more information from you

3. She kept looking at the men behind the counter in utter disbelief - she had thought the Thanjavur painting would _____, _____ as the gems were not precious.
- a. Cost an arm and a hand, but it was dirt cheap
 - b. Cost an arm and a leg, but it was dead cheap
 - c. Cost an arm and a leg, but it was dirt cheap
 - d. Cost two arms and both legs, but it was dirt cheap

Answer: Option b

Cost an arm and a leg, but it was dead cheap

Read the following passage and answer the questions that follow:

Under the harsh light of a naked blue bulb, the handloom weaver sits in a pit, craning his neck over a loom, manipulating a mass of threads. Slowly frame by frame, a paisley motif emerges on fuchsia pink silk, sourced from South India. Banaras silk is mentioned in the Rig Veda and Buddhist history texts, which, together with images from the Mughal court, provide clues to its evolution. Silk-embroidered sarees have been an art form during the Mughal period in the 16th century.

To gain an insight into the intricate weaving process, a visit to the Mehta International Silk Centre helps. Here you can understand the intricacies of the process: difference between phenkua and kadhua: the technique of throwing the shuttle from end-to-end between the threads of the warp, and weaving in the threads, one by one.

Three generations can wear an intricately woven Banarasi saree, and it is more a family heirloom that a mother passes on to her daughter or daughter-in-law. The complexity of design in a Banarasi saree is of the highest order — the highest pixels.

The workers, mostly men, may take 10 days to weave a saree working eight hour shifts on wages as low as Rs 600 per day. If the design is complicated, then the saree may proceed at 2 inches a day and the weaver may even take three months to weave just one saree. Sarees may tell pictorial stories; the motifs on sarees are like a history book of influences — Persian and Mughal and Hindu culture. One can find motifs like ashraf (coin-shape), gajda (marigold flower), chand-tara (moon and star), lateefa (floral bouquet), etc.

4. What is the broad theme of the given passage?
- a. The various types of Banarasi sarees.

- b. The flourishing weaving industry of Varanasi.
- c. The poor condition of the weavers of Varanasi.
- d. The intricate weaving process of Banarasi sarees.

Answer: Option d

The intricate weaving process of Banarasi sarees.

5. Which of the following is the odd one out in the history of influences on Banarasi sarees?
- a. Buddhist
 - b. Hindu
 - c. Persian
 - d. Mughal

Answer: Option a

Buddhist

6. Three generations can wear an intricately woven Banarasi saree because
- a. it goes through an intricate weaving process.
 - b. it becomes a family heirloom.
 - c. it is very strong and lasts for years together.
 - d. it has a complexity of design of the highest order.

Answer: Option a

it goes through an intricate weaving process.

Four words have been deleted in the paragraph given below.

The four sentences, from which the words have been deleted, are given below -- individually. Select the word that best completes the sentence in each of the four items below.

Good art must connect with ordinary lives. It must be relatable. It must connect with themes that other people's lives are influenced by. The artist cannot merely _____ an ideal. The best utopian works depict an ideal which is achievable. The best _____ works depict a terrifying future that's ever possible. Orwell's Nineteen Eighty-Four is terrifying because it so accurately portrays the _____ and human suffering that occurs when fascism takes over. Great literature holds a hand-mirror up to the flaws on society's face. it forces people to face the consequences of their actions and helps us try to _____ a better, more equal society.

7. The artist cannot merely _____ an ideal.
- a. Create
 - b. Correct
 - c. Abjure
 - d. adore

Answer: Option a

Create

8. Orwell's Nineteen Eighty-Four is terrifying because it so accurately portrays the _____ and the human suffering that occurs when fascism takes over.
- a. Insanity
 - b. Inimitability
 - c. Immunity
 - d. invulnerability

Answer: Option a
Insanity

Quantitative Aptitude:

9. The average age of five persons in a group is 18 years. The group has an additional member, such that the new average is 25 years less than the age of the new member. What is the age(in years) of the new member?
- a. 48
 - b. 38
 - c. 50
 - d. 42

Answer: Option A
48

10. What is the average of all the natural numbers from 31 to 50, both inclusive?
- a. 39.5
 - b. 40.5
 - c. 40
 - d. 38

Answer: Option b
40.5

11. A restaurant serves small pizzas of 6-inch diameter and regular pizzas of 9-inch diameter. If a small pizza is priced at ₹200, then what is a fair price for a larger pizza of the same type?
- a. ₹450
 - b. ₹300
 - c. ₹350
 - d. ₹400.

Answer: Option a
₹450

12. While presenting a data in the form of a positive number, I committed a mistake by mentioning the cube of the number. If the error due to this mistake was 800%, what was the number?
- a. 2

- b. 4
- c. 5
- d. 3

Answer: Option D

3

13. A retailer gives a discount of 20% on an item, and yet makes a profit of 10%. What is the ratio of the cost price to the list price?

- a. 7 : 12
- b. 8 : 11
- c. 4 : 5
- d. 1 : 2

Answer: Option b

8 : 11

14. There were 36 students in a class and their average height was 4 feet 6 inches. At the end of the year, 4 students, with an average height of 3 feet 3.5 inches left the class. Moreover, 6 new students got admitted to this class, their average height being 4 feet 9 inches. The average height, in feet, of the students currently in the class is:

- a. $4(\frac{1}{6})$
- b. $4(\frac{2}{3})$
- c. $4(\frac{3}{4})$
- d. $4(\frac{1}{3})$

Answer: Option b

$4(\frac{2}{3})$

15. X goes to the office by driving at $\frac{5}{7}$ times his usual speed. If he normally takes half an hour to reach his office by how many minutes will he be late?

- a. 12
- b. 8
- c. 10.5
- d. 13.5

Answer: Option a

12

16. A set of mugs consists of 5 plastic mugs each of a different design and 2 glass mugs each of a different design. In how many ways can these 7 mugs be arranged in a row if the glass mugs are separated from each other?

- a. 4320
- b. 1440
- c. 3600
- d. 5040

Answer: Option c

3600

17. The product of a real number and its square is 1728. What is the number?

Enter your answer ONLY as NUMERAL in the box.

Answer: 12

18. Anil buys cashews and raisins from a farmer, the per kg price of cashews being four times that of raisins. He sells 8 kg cashews at 20% profit, and 12 kg raisins at 30% profit to Sunil. Now, Sunil sells 5 kg of cashews at ₹120 per kg, and then mixes the remaining cashews and raisins and sells this mixture at ₹95 per kg. If Sunil makes a total profit of 25% the price, in ₹ per kg, paid by Anil for cashews is:

Enter your answer ONLY as NUMERAL in the box.

Answer: 120

19. What is the least multiple of 13 which divided by 3, 4, 5, 8 and 10 leaves remainder 2 in each case?

Enter your answer ONLY as NUMERAL in the box.

Answer: 962

20. In a birthday party, there are 20 identical slices of cake that have to be distributed among 4 children. If every child is to get at least two slices, then in how many ways can this distribution be done?

Enter your answer ONLY as NUMERAL in the box.

Answer: 455

Slot 2:**Quantitative Ability:**

1. P is five times as efficient as Q in respect of doing work. Together, they complete it in 20 days. In how many days can P alone do it?
- a. 28
 - b. 24
 - c. 25
 - d. 30

Answer: B
24

2. In case of a transaction, there was a loss of 18.75%. What was the ratio of the cost price to the selling price?
- a. 4 : 3
 - b. 8 : 5
 - c. 32 : 25
 - d. 16 : 13

Answer: D
16:13

3. A valuable sword belonging to the Grand King was stolen, and the three suspects were Ibn, Hasan and Abu. Ibn claimed that Hasan stole it, and Hasan claimed that Abu stole it. It was not clear that one of them stole it, but it was later learnt that no innocent person had lied. It was also learnt that the sword was stolen by only one person. Who stole the sword?
- a. Hasan
 - b. Abu
 - c. Ibn
 - d. None of them

Answer: A
Hasan

4. A sum of ₹10,00,000 was invested in a scheme where it got compounded annually and the sum increased to ₹11,06,704 in 2 years. What is the rate of interest?
- a. 5.2%
 - b. 5.4%
 - c. 4.8%
 - d. 4.4%

Answer: Option A
5.2%

5. Mita and Geeta jointly start a small business. Mita invests ₹15,000, whereas Geeta invests ₹10,000. After 2 months, Mita withdraws ₹2,500 from her investment in the business. After 8 more months, Mita again withdraws ₹2,500. Geeta does not withdraw any money in 1 year. After 1 year, they make a profit of ₹8,100 from their business. If they want to share this profit in the ratio of their money in the business, then how much money, in ₹, should Mita get as her share of the profit?
- 4400
 - 4200
 - 4500
 - 4300

Answer: C

4500

6. Given a set of letters {a, b, c, d, e, f, g, h, i, j, k, l, m}, we can list out all permutations of these letters in lexicographic (dictionary) order. The first three permutations in this list are abcdefghijklm, abcdefghijklml and abcdefghijklkm and the last one is mlkjihgfedcba. What permutation would appear immediately after the following one in this lexicographically ordered list of permutations?

bcjameflkihg d

- bcjameglkihfd
- bcjamegdfhikl
- bcjalefmkihg d
- bcjameflkihdg

Answer: B

bcjamegdfhikl

7. A music talent show has 100 contestants and 10,000 viewers. Each viewer picks their top 5 performers. Any performer who is nominated by at least 20% of the viewers gets a prize. What is the maximum number of prizes that could be awarded?
- 50
 - 25
 - 10
 - 5

Answer: B

25

8. A sum invested at simple interest to ₹18375 and ₹20125 in 5 and 7 years, respectively. What was the interest (in ₹) earned in 1 year?
- 950
 - 925
 - 875
 - 975

Answer: C

875

9. The average age of five persons in a group is 18 years. The group has an additional member, such that the new average is 25 years less than the age of the new member. What is the age (in years) of the new member?
- a. 42
 - b. 50
 - c. 48
 - d. 38

Answer: C

48

10. An express train is 150 metres long and it is running at a speed of 90 km per hour. It crosses a mail train, which is running on a parallel track in the opposite direction, in 6.3 seconds. When these two trains are travelling on parallel tracks in the same direction, with the same speeds as before, they take 50.4 seconds to cross each other. The length, in meters, of the mail train is:

Enter your answer ONLY as NUMERAL in the box.

Answer: 130

11. I asked my daughter how many students there are in her class. She said it is equal to the sum of 3 consecutive natural numbers. Moreover, it is also equal to the sum of the two natural numbers following those 3 consecutive natural numbers. What is the answer to my question?

Enter your answer ONLY as NUMERAL in the box.

Answer: 15

12. You want to pick two distinct numbers from the set $\{1, 2, 3, 4\}$. In how many ways can you do this so that the product is even?

Enter your answer ONLY as NUMERAL in the box.

Answer: 5

13. I was supposed to complete a task in 12 h, but I took more time and the error was 6.25%. How much time did I take to complete the task?

- a. 12 h 15 min
- b. 12 h 30 min
- c. 12 h 20 min
- d. 12 h 45 min

Answer: D

12 h 45 min