

**TATA STEEL JET EXAMINATION MINE SURVEYING SAMPLE PAPER**

(Sample 20 questions)

**A. DOMAIN**

1. Surveys which are carried out to depict mountains, rivers, water bodies, wooded areas and other cultural details, are known as
  - (a) Cadastral surveys
  - (b) City surveys
  - (c) Topographic
  - (d) Guide map surveys
  
2. Minimum width of the safety berm kept at the bottom
  - (a) 3.5m
  - (b) 2.5m
  - (c) 1.5m
  - (d) Uncertain
  
3. EIA stands for
  - (a) Environmental Impact Assessment
  - (b) Engineering Impact Assignment
  - (c) Engineering Impact Assessment
  - (d) None of these
  
4. What do you mean by MSL
  - (a) Meridian Sea Level
  - (b) Mean Sea Level
  - (c) Maximum Sea Level
  - (d) None of the above
  
5. The main principle of surveying is to work
  - (a) from part to the whole
  - (b) from whole to the part
  - (c) from higher level to lower level
  - (d) from lower level to higher level

**B. GENERALAPTITUDE**

6. If 42 persons consume 144 kg of rice in 45 days; then in how many days will 30 persons consume 48 kg of rice?

(A) 6 days. (B) 7 days. (C) 8 days (D)12 days:

7. The area of a circle is  $24.64 \text{ m}^2$ . The circumference of the circle is:

(A) 14.64 m (B)16.36m (C) 17.60.m (D) 18.40 m

8. A certain number of tennis balls were purchased for Rs: 450: Five more balls could have been purchased in the same amount if each ball was cheaper by Rs. 45. The number of balls purchased were:

(A) 10 (B) 15 (C) 20 (D) 25

9. Which National Highway connects Delhi and Mumbai? -

(A) NH6 (B) NH 8 (C) NH10 (D) NH 12,

10. A two-digit number is 7 times the sum of its digits. The number formed by reversing its digits is 18 less than the original number. What is the number?

(A) 42 (B) 52 (C) 62 (D) 72

### C. ENGLISH

11. It was \_\_\_\_\_ hot that day and the cable suffered the brunt of the heat, AW

(A) treacherously (B) acceptably (C) unfailingly (D) unbelievably -

12. \_\_\_\_\_ my knowledge, Mr. Akash has a 'prejudice \_\_\_\_\_ foreigners.

(A) in..... for (B) as..... towards. (C) for ..... at (D) to..... against

Direction for questions 13-14:

In the following questions, you will find sentences part of which is bold.

Compare the bold part of each sentence with the expressions (A), (B) and (C) given below: Choose the expression which is an improvement upon the bold part. If none of the three expressions improve the sentence, then your answer is (D).

Questions:

13. It is high time she. **changes** her job.

(A) must change (C) had changed

(C) changed (D) No improvement

14. I am surprised that **he dares speak** in such a tone to his father.

(A) he dares to speak (C) he dare to speak

(B) he dare speak (D) No improvement

15. Choose the word which is **nearest in** meaning to the 'bold typed word. He could rise to this stature because of **his invincible** 'courage.

(A) inviolable (B) unmanageable

(C) unbeatable (D) immeasurable

### D. CURRENT INDUSTRY TRENDS

16. What is the full-form of AI in field of technology?

A. Artificial Information

- B. Artificial Intelligence
  - C. Additional Intelligence
  - D. Augmented Intelligence
17. TPM concept was first initiated by
- A. Suzuki
  - B. Nippon Densco
  - C. TOYOTA
  - D. Ford Automobiles
18. Full form of TOC is
- A. Theory of Constraints
  - B. Tata Overseas Company
  - C. Theory of Change
  - D. Theory of Commitment
19. The purpose of CPR in Industry Safety is to:
- (A) Maintain oxygenated blood circulation
  - (B) Stabilize body temperature to avoid hypothermia
  - (C) Build upper body strength
  - (D) Dislodge blood clots within the victim's lungs
20. A confined space is deemed ready for employee entry when:
- (A) A company safety inspector has certified it
  - (B) The unit operations foreman declares it ready
  - (C) An engineer has completed the necessary calculations
  - (D) Your supervisor assigns you to the job