

SSC

Q1. The mean proportional between 0.06 and 6 is:

(1) 0.06 (2) 0.6 (3) 60 (4) 6

Ans: 0.6

Solution : Let the two numbers be a, b.

Mean proportion = \sqrt{ab}

$$\sqrt{0.06 \times 6} \\ = 0.6$$

Q2. The average of 10 observations is 40. It was realised later that an observation was misread as 34 in place of 43. Find the correct average

(1) 39.9 (2) 43.9 (3) 41.9 (4) 40.9

Ans: 40.9

Solution :

Average of 10 observations = 40

Misread as 34 in place of 43.

Difference = $43 - 34$

$$= 9$$

\therefore Correct average

$$40$$

$$+ \frac{9}{10}$$

$$= 40.9$$

Average of 10 observations = 40

Misread as 34 in place of 43.

Difference = $43 - 34$

$$= 9$$

\therefore Correct average

$$40$$

$$+ \frac{9}{10}$$

$$= 40.9$$

Q3. The ratio of the market prices of gram and pea is 2 : 5, and the ratio of the quantities consumed by a family is 4 : 3. Find the ratio of the expenditure on gram to pea.

(1) 9 : 16 (2) 3 : 4 (3) 8 : 15 (4) 17 : 10

Ans : 8 : 15

Solution :

Q4. The average of first 13 whole numbers is:

(1) 6 (2) 6.5 (3) 5 (4) 7

Ans : 6

Solution :

Q5. The volume of a solid cylinder is 5852 cm³ and its height is 38 cm. What is the total surface area of the solid cylinder? (Round your answer to the nearest integer.)

(1) 1969 cm² (2) 1980 cm²
(3) 1954 cm² (4) 1936 cm²

Ans : 1980 cm²

Solution :

Q6. Who is the current Chief Minister of Delhi as of March 2025, and from which constituency was he/she elected in the 2025 Delhi Assembly elections?

(1) Rekha Gupta from Rajinder Nagar
(2) Rekha Gupta from Shalimar Bagh
(3) Atishi Marlena from Kalkaji
(4) Arvind Kejriwal from New Delhi

Ans : Rekha Gupta from Shalimar Bagh

Solution :

Q7. The Swadeshi Movement, launched to oppose the partition of Bengal and promote Indian goods, began in which year?

(1) 1904 (2) 1906 (3) 1907 (4) 1905

Ans : 1905

Solution :

Q8. Who among the following has been appointed as the Chairman of Indian Space Research Organisation in January 2025?

(1) Manish Singhal (2) Dr. Mayank Sharma
(3) Dr. V. Narayanan (4) Bhuvnesh Kumar

Ans : Dr. V. Narayanan

Solution :

Q9. In India, which of the following is a groundwater-based irrigation source?

- (1) Pond (2) Tank
(3) River canal (4) Open-well

Ans : Open-well

Solution :

Q10. In which city of India was the Arctic Circle India Forum held on 3–4 May 2025?

- (1) Kolkata (2) Patna
(3) Chandigarh (4) New Delhi

Ans : New Delhi

Solution :

Q11. What does OCI stand for in the context of Indian citizenship?

- (1) Overseas Card for Indians
(2) Official Citizen of India
(3) Overseas Citizen of India
(4) Original Citizen Identity

Ans : Overseas Citizen of India

Solution :

Q12. In a certain code language, 'GATE' is coded as '4628' and 'TURN' is coded as '3567'. What is the code for 'T' in the given code language?

- (1) 4 (2) 6 (3) 3 (4) 2

Ans : 6

Solution :

Q13. The sum of the present ages of a father and his son is 18 years more than 4 times the present age of the son. After 5 years, 4 times the father's age will be 8 years less than 14 times the son's age. The difference (in years) between the present ages of the father and the son is:

- (1) 49 (2) 45 (3) 48 (4) 53

Ans : 48

Solution :

Q14. In a certain code language, 'BLUE' is coded as '4628' and 'LOAD' is coded as '3567'. What is the code for 'L' in the given code language?

(1) 3 (2) 6 (3) 7 (4) 8

Ans :

Solution : 6

Q15. Find the surface area of a sphere whose diameter is equal to 112 cm.

(1) 36,976 cm² (2) 38,980 cm²

(3) 37,948 cm² (4) 39,424 cm²

Ans : 39,424 cm²

Solution :