লেখা পরীক্ষা হবে দুটি ভাগে, প্রিলিমিনারি ও মেইন। অনলাইন প্রিলিমিনারি পরীক্ষায় থাকবে ইংলিশ ল্যাঙ্গুয়েজ (৩০টি প্রশ্ন, ৩০ নম্বর), নিউমেরিক্যাল এবিলিটি (৩৫টি প্রশ্ন, ৩৫ নম্বর), রিজনিং এবিলিটি (৩৫টি প্রশ্ন, ৩৫ নম্বর)। মোট ১০০ নম্বরের পরীক্ষা, সময় ১ ঘণ্টা, ০.২৫ হারে নেগেটিভ মার্কিং থাকবে। মেইন পরীক্ষায় থাকলে জেনারেল/ফিনান্সিয়াল অ্যাওয়্যারনেস (৫০টি প্রশ্ন, ৫০ নম্বর), জেনারেল ইংলিশ (৪০টি প্রশ্ন, ৪০ নম্বর), কোয়ান্টিটেটিভ অ্যাপ্টিটিউড (৫০টি প্রশ্ন, ৫০ নম্বর)। মোট ২০০ নম্বরের পরীক্ষা, সময় ২ ঘণ্টা ৪০ মিনিট। নেগেটিভ মার্কিং থাকবে। পরীক্ষার্থীদের সুবিধার্থে প্রিলিমিনারি প্রশ্নসেটের নমুনা দেওয়া হল।

1. In the following questions, choose the correct code form.

If 'air' is called 'green', 'green' is called 'red', 'red' is called 'sea', 'sea' is called 'blue', 'blue' is called 'water' and 'water' is called 'pink', then what is the colour of grass?

(a) Green (b) Air (c) Red (d) Pink

2. Choose the word which is least like the other words in the group.

(a) Grenade (b) Katana (c) Shotgun (d) Rifle

3. The H.C.F. of two numbers is 11 and their L.C.M. is 7700. If one of these numbers is 275, find the other number.

(a) 300 (b) 308 (c) 408 (d) 400 (e) 220

4. X, Y and Z share a sum of money in the ratio of 11:13:16. If Z receives Rs 25 more than X, find the total money shared.

(a) 200 (b) 100 (c) 150 (d) 350 (e) 500

Directions (Q 5-6): Fill in the blanks.

5. When the principal entered the class, a student ……… on the blackboard.

(a) wrote (b) was writing (c) writes (d) is writing

6. She …….. TV when her husband came.

(a) watch (b) was watching (c) is watching (d) watched

Directions (Q 7-9): Each of the following questions containing the main word in capital letters followed by four words. Select the word that is most similar in meaning to the main word in capital letters.

7. PROPITIOUS

(a) Favourable (b) Clean (c) Nearby (d) Patriotic
(e) None of these

8. RECTITUDE

(a) Duplication (b) Uprightness (c) Rectification
(d) Recovery

9. INCONGRUOUS

(a) Inconceivable (b) Inevitable (c) Unreasonable
(d) Incontrovertible

10. Choose the number which is different from the others.

(a) 27 (b) 64 (c) 125 (d) 144

11. What is the average of the numbers: 0, 0, 4, 10, 5 and 5?

(a) 2 (b) 3 (c) 4 (d) 5

Directions (12 - 15): What should come in the place of question mark (?) in the following alphanumeric series?

12. X0, V 1, T1, R2, P4, ?

(a) K12 (b) N15 (c) H14 (d) N8 (e) None of these

13. F4Z, G14Y, H36X, I76W, ?

(a) G125T (b) J140V (c) U135F (d) H130W (e) None of these

14. 13D, 25G, 48L, 92K, ?

(a) 194N (b) 176W (c) 188N (d) 148M (e) None of these

15. 25   23   43   125   495   2469   ?

(a) 29314 (b) 25201 (c) 19266 (d) 14807 (e) 20048
(e) 20048

Directions (Q 16-25): In the following passage, there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

The researchers (16) tiny bubbles into the beaker and (17) them with sound waves. The bubbles rapidly expanded and then (18). It caused a momentary shock wave that created high pressure, high temperature and a (19) of light. Achieving (20) nuclear fusion would be a scientific (21) if not the (22). The experiment produced only (23) amount of energy, but scientists feel it might be possible to enlarge the (24) to a commercially (25) scale.

16. (a) poured (b) introduced (c) filled (d) thrust (e) pulled

17. (a) zapped (b) collided (c) hit (d) axed (e) sunk

18. (a) vanished (b) fell (c) collapsed (d) swooned (e) sunk

19. (a) flame (b) flash (c) current (d) beam (e) spot

20. (a) sustainable (b) tenable (c) therefore (d) culpable (e) commendation

21. (a) pinnacle (b) landmark (c) milestone (d) earmark (e) commendation

22. (a) final (b) curtain call (c) road (d) finals (e) finality

23. (a) fit (b) miniature (c) sweeping (d) minuscule (d) massive

24. (a) method (b) technology (c) proceeds (d) experimentation (e) process

25. (a) success (b) massive (c) manageable (d) marketable (e) viable

26. Ajit has a certain average for 9 innings. In the tenth innings, he scores 100 runs thereby increasing his average by 8 runs. His new average is……..
(a) 20 (b) 21 (c) 28 (d) 32 (e) 30

27. In a school having roll strength 286, the ratio of boys and girls is 8:5, if 22 more girls get admitted into the school, the ratio of boys and girls becomes
(a) 12:7 (b) 10:7 (c) 8:7 (d) 4:3 (e) 2:3

28. Introducing a man to her husband, a woman said, 'His brother's father is the only son of my grandfather.' How is the woman related to this man?
(a) Mother (b) Aunt (c) Sister (d) Daughter (e) Grandmother

Directions (Q 29-30): Identify the sentences.

29. If it rains, the match will be postponed.
(a) Simple (b) Negative (c) Complex (d) Compound

30. Being busy, I could not attend the function.
(a) Simple (b) Negative (c) Complex (d) Compound

ANSWERS

1. (c) **Explanation:** The color of grass is green but green is called red. Hence, the color of grass is red. 2. (b) **Explanation:** Here, all other weapons except Katana are firearms and can be used from a distance. 3. (b) **Explanation:** Product of two numbers = product of their HCF and LCM required number= $11 \times 7700/275$= 308. 4. (a) **Explanation:** Let the respective shares of X, Y and Z be Rs 11x, 13x and 16x respectively

Total money= $11x+13x+16x= 40x$

Now $16x-11x= 25$

x=5, Total money shared = Rs 200. 5. (b) 6. (b) 7. (a) 8. (b) 9. (c) 10. (d) **Explanation:** Each number in the question except 144 is a perfect cube.

11. (c) **Explanation:** Here total numbers are 6. So, add all the numbers and divide by 6.

$$\frac{0+0+4+10+5+5}{6}$$
$$= \frac{24}{6} = 4$$

12. (d) **Explanation:** Every term is the sum of all its previous numbers. So the last number should be 16. And prefixed letter are alternative from backward side. 13. (b) **Explanation:** $1^3+(1\times3)=4$

$2^3+(2\times3)=14$
$3^3+(3\times3)=36$
$4^3+(4\times3)=76$
$5^3+(5\times3)=140$

Prefixed letters are ABCDE and suffixed letters are ZYXWV.

14. (b) **Explanation:** $13*2-2^0=25$

$25*2-2^1=48$
$48*2-2^2=92$
$92*2-2^3=176$

And letters are summation of the two numbers.

15. (d) **Explanation:** The series is:

25	×	1	–	2	=	23
23	×	2	–	3	=	43
43	×	3	–	4	=	125
125	×	4	–	5	=	495
495	×	5	–	6	=	2469

$2469 \times 6 – 7 = 14807$. 16. (b) 17. (c) 18. (c) 19. (b) 20. (a) 21. (c) 22. (e) 23. (d) 24. (e) 25. (e) 26. (c) **Explanation:** Let Ajit's average be x for 9 innings. So, Ajit scored 9x run in 9 innings. In the 10th inning, he scored 100 runs then average became (x+8) and he scored (x+8) ×10 runs in 10 innings.

Now, $9x+100=10\times (x+8)$

Or, $9x+100= 10x+80$

Or, $x=100-80$

Or, $x=10$

New average= $(x+8)= 28$ runs.

27. (d) **Explanation:** Boys: girls= 8:5 (let the boys=8x, girl=5x)

Total strength= 286

$8x+5x=286$

$13x=286$

Or, $x= 286/13=22$

Boys= 176 and girls= 110

22 more girls get admitted then number of girls become $(5x+22)= 110+22= 132$

Now, new ratio of boys and girls= 176: 132= 4:3.

28. (c) **Explanation:** Only son of her grandfather- her father, man's brother's father-man's father. So, man's father is her father ie, she is the man's sister. 29. (c) 30. (a)