1. xy> 0 Quantity A   Quantity B

$\dfrac{x}{y}$ 0

2. a > 0
Quantity A   Quantity B

a^{b} 0

3. Quantity A   Quantity B

$\dfrac{2^{50}}{3^{50}}$ $\dfrac{2^{50}+7^{20}}{3^{50}+7^{20}}$

4. Quantity A   Quantity B

$\dfrac{\sqrt{10}}{\sqrt{8}} \div \dfrac{\sqrt{9}}{\sqrt{10}}$ $\dfrac{\sqrt{11}}{\sqrt{9}} \div \dfrac{\sqrt{10}}{\sqrt{11}}$

5. x & y are positive
Quantity A   Quantity B

xy $(xy)^{2}$

6. Quantity A   Quantity B
2×3×4.....×23   5×6×7.....×24

7. Quantity A   Quantity B

$\dfrac{\sqrt{65}-\sqrt[3]{63}}{\sqrt{15}}$ 1

8. $\sqrt[3]{m^{4}} = \dfrac{7}{11}$
Quantity A   Quantity B

m $\dfrac{7}{11}$

9. Quantity A   Quantity B

$9\dfrac{3}{4}$ $9+\dfrac{3}{4}$

10. N = 113×133×239×169×209.
Quantity A   Quantity B
Increase in N when 113 is increased by 20   Increase in N when 169 is increased by 20

11. x>y>0
Quantity A   Quantity B

$\left(\dfrac{x}{y}+\dfrac{y}{x}\right)$ 2

12. Quantity A   Quantity B
The tens digit of $(4^{100}\times5^{99})$ The tens digit of $(4^{100}\times5^{101})$

13. n is an integer
Quantity A   Quantity B
$7.23\times10^{(n+1)}$ $723\times10^{(n-1)}$

14. Quantity A   Quantity B
100!×100!   99!×101!

15. The function f is defined for all numbers x by
f(2x) = x^{2}-2x+8
Quantity A   Quantity B
f(6)   12

16. A bowl contains jelly beans, 10% of which are green and the rest are blue. To this bowl n green jelly beans and 10n blue jelly beans will be added, where n>0

Quantity A	Quantity B
After the 11n jelly beans are added to the bowl, the percent of the jelly beans in the bowl that will be green	10%

17. n is an integer between 100 & 200 such that when n is divided by 9, the remainder is 4.

Quantity A	Quantity B
No. of possible values of n	11

18. $ab<0$ & $a^2< b^2$

Quantity A	Quantity B
$(a+b)$	$(b-a)$

19.

Quantity A	Quantity B
$\dfrac{x+1}{x}$	$1+\dfrac{1}{x}$

20. P,R & R are 3 consecutive multiples of 3 and P<Q<R

Quantity A	Quantity B
$(P+Q+3)$	$(Q+R-3)$

1. A	2. A if b ∈ R D if b ∈ C	3. B	4. A	5. D
6. C	7. A	8. A	9. C	10. A
11. A	12. C	13. C	14. B	15. B
16. B	17. B	18. D	19. C	20. C