

Instructions -**(i) Question no- 1 to 40 carries on 1 mark.****(ii) Question no. 41 to 45 carries 2 marks.**

1) $9 - 5 = 4$.

Here, the subtrahend is -----

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|------|------|------|---------|
| a) 9 | b) 5 | c) 4 | d) none |
|------|------|------|---------|
- 2) The smallest composite odd number is
- | | | | |
|------|------|------|------|
| a) 2 | b) 3 | c) 4 | d) 9 |
|------|------|------|------|
- 3) Twin prime numbers are :
- | | | | |
|----------|-------------|-------------|------------------|
| a) (3,5) | b) (11, 13) | c) (17, 19) | d) all of these. |
|----------|-------------|-------------|------------------|
- 4) 96,283 is divisible by -----
- | | | | |
|-------|------|------|---------|
| a) 11 | b) 2 | c) 3 | d) none |
|-------|------|------|---------|
- 5) An even prime number is
- | | | | |
|------|------|------|------|
| a) 3 | b) 2 | c) 4 | d) 1 |
|------|------|------|------|
- 6) The LCM of two co- prime numbers are :
- | | | | |
|------------------|--------------|------------------|------------------|
| a) Their divisor | b) their sum | c) their product | d) none of these |
|------------------|--------------|------------------|------------------|
- 7) How many three digit numbers are there by using 1,2,3 , taking each digit only once?
- | | | | |
|------|------|------|------|
| a) 5 | b) 7 | c) 8 | d) 6 |
|------|------|------|------|
- 8) How many sides does a decagon has?
- | | | | |
|-------|-------|------|------|
| a) 12 | b) 10 | c) 8 | d) 7 |
|-------|-------|------|------|
- 9) A boy buys 15kg sugar for ₹ 600. What will be the cost of 2kg sugar
- | | | | |
|-------|----------|---------|---------|
| a) 40 | b) ₹ 100 | c) ₹ 80 | d) none |
|-------|----------|---------|---------|
- 10) 1 million = _____ lakhs
- | | | | |
|-------|--------|------|-------|
| a) 10 | b) 100 | c) 1 | d) 11 |
|-------|--------|------|-------|
- 11) $601 - 600 \div 600$
- | | | | |
|------|------|--------|------|
| a) 2 | b) 3 | c) 600 | d) 1 |
|------|------|--------|------|
- 12) How many times the digit 3 occurs in all the natural numbers from 1 to 100?
- | | | | |
|-------|-------|-------|-------|
| a) 21 | b) 20 | c) 19 | d) 15 |
|-------|-------|-------|-------|
- 13) What fraction of an hour is 40 minutes
- | | | | |
|------------------|------------------|------------------|----------------------|
| a) $\frac{1}{3}$ | b) $\frac{2}{3}$ | c) $\frac{3}{4}$ | d) None of the above |
|------------------|------------------|------------------|----------------------|
- 14) The extreme terms of a proportion $35 : 70 :: 2 : 4$ is
- | | | | |
|-----------|----------|----------|----------------------|
| a) 35, 70 | b) 70, 2 | c) 35, 4 | d) None of the above |
|-----------|----------|----------|----------------------|
- 15) The roman numeral CDXL is :
- | | | | |
|--------|--------|--------|--------|
| a) 440 | b) 540 | c) 340 | d) 640 |
|--------|--------|--------|--------|
- 16) Find the least 5 digit number which is exactly divisible by 99
- | | | | |
|----------|----------|----------|---------|
| a) 10098 | b) 10099 | c) 10009 | d) 9999 |
|----------|----------|----------|---------|
- 17) 1 km is equal to how many cm?
- | | | | |
|-----------|------------|-------------|--------------|
| a) 100 cm | b) 1000 cm | c) 10000 cm | d) 100000 cm |
|-----------|------------|-------------|--------------|
- 18) A truck can carry 7,826 bricks. How many bricks can 175 such trucks can carry?
- | | | | |
|--------------|--------------|--------------|--------------|
| a) 13,69,540 | b) 13,68,550 | c) 13,67,550 | d) 13,69,550 |
|--------------|--------------|--------------|--------------|
- 19) $(12 \div 6 \times 3) \div 2$
- | | | | |
|------|------|------|------|
| a) 5 | b) 4 | c) 2 | d) 3 |
|------|------|------|------|
- 20) The HCF of 36 and 170 is:
- | | | | |
|------|------|------|-------|
| a) 2 | b) 3 | c) 4 | d) 72 |
|------|------|------|-------|
- 21) The LCM of 24 and 36 is :
- | | | | |
|------|-------|-------|-------|
| a) 6 | b) 12 | c) 72 | d) 36 |
|------|-------|-------|-------|
- 22) The product of two numbers is 432 and their LCM is 72. Their HCF is :
- | | | | |
|------|------|-------|---------|
| a) 5 | b) 6 | c) 10 | d) none |
|------|------|-------|---------|
- 23) The perimeter of a rectangular field is 42 m and its breadth is 10 m. Its length would be :
- | | | | |
|--------|--------|---------|---------|
| a) 12m | b) 13m | c) 14 m | d) 11 m |
|--------|--------|---------|---------|

- 24) 12 hours 27 minutes + 3 hours 58 minutes = _____
a) 16 hours 15 minutes
b) 16 hours 25 minutes
c) 16 hours 35 minutes
d) 16 hours 05 minutes.
- 25) The elapsed time between 2 : 35 a.m. and 5 : 30 p.m is :
a) 14 hours 55 minutes
b) 15 hours 55 minutes
c) 15 hours 45 minutes
d) none
- 26) The length of the diameter of a circle is 2.8 cm . The circumference of the circle is :
a) 8.5cm
b) 8.6 cm
c) 8.8 cm
d) none
- 27) The order of rotational symmetry of an equilateral triangle is :
a) 1
b) 2
c) 5
d) 3
- 28) Which one of the following are co-prime?
a) 13, 247
b) 91, 209
c) 91, 104
d) 23, 161
- 29) One of the acute angle of a right angled triangle measures 75° . Find the other acute angle
a) 15°
b) 25°
c) 45°
d) None
- 30) How many 6-digit numbers in all are there ?
a) 90,000
b) 8,99,999
c) 9,00,009
d) 9,00,000
- 31) Reduce $\frac{2211}{5025}$ to the lowest term
a) $\frac{12}{25}$
b) $\frac{11}{25}$
c) $\frac{13}{24}$
d) **None**
- 32) $5 + 0.005 + 0.05 + 0.5 = ?$
a) 5.0555
b) 5.5550
c) 5.5505
d) None
- 33) $(5 - 0.005 - 0.05 + 0.5) = ?$
a) 5.405
b) 5.445
c) 5.5550
d) None
- 34) The length and breadth of a rectangular field are 1m and 50cm respectively. The ratio of breadth to the length of the field is :
a) 1:2
b) 2:3
c) 2:1
d) 5:1
- 35) Which is the smallest among the common multiple of 5 and 8?
a) 80
b) 8
c) 5
d) 40
- 36) Which of the following is not equivalent to 84×15 ?
a) $(84 \times 10) + (84 \times 5)$
b) $(80 \times 15) + (4 \times 15)$
c) $(80 \times 10) + (4 \times 15) + (80 \times 5)$
d) $100 \times 15 - 4 \times 15$
- 37) $312 \div 312 - 213 \div 213$
a) 1
b) 2
c) 0
d) None
- 38) What least number must be added to 5694 to get a number exactly divisible 43?
a) 20
b) 25
c) 0
d) 45
- 39) A car travels at a uniform speed of 40km/hr. What distance will it cover in 5 hrs?
a) 300km
b) 400km
c) 350km
d) 200km
- 40) The perimeter of a triangle having sides 6.9 cm, 8.05cm and 2 cm is
a) 14.85
b) 16.95
c) 10.95
d) 17.95

ACHIEVER'S SECTION:

- 41) Find the largest number which divides 2011 and 2623, leaving remainder 9 and 5 respectively.
a) 145 b) 154 c) 144 d) 100
- 42) Ananya was 10 years 6 month old when her sister Tanya was born . Tanya is now 27 years 8 month old. how old is Ananya now?
a) 38 years 2 months . b) 37 years 2 months
c) 36 years 2 months d) none .
- 43) Convert 80°C to $^{\circ}\text{F}$
a) 165°F b) 152°F c) 148°F d) 176°F
- 44) The number whose 15 % is 24 would be :
a) 150 b) 123 c) 160 d) 155
- 45) A machine for making ice, freezes 5.76 litres of water into ice bricks, each having dimension 3 cm by 2 cm by 1 cm . How many ice bricks will be made by 5.76 L of water ?
a) 960 b) 950 c) 940 d) 900