ENGLISH

SOL. 1 B
SOL. 2 C
SOL. 3 B
SOL. 4 B
SOL. 5 D
SOL. 6 B
SOL.7 D
SOL.8 B
SOL.9 C
SOL.10 B
SOL.11 C
SOL.12 C
SOL.13 A
SOL.14 B
SOL.15 D

SCIENCE

Sol. 16 A
Sol.17 A
Sol.18 B
Sol.19 B
Sol.20 D
Sol.21 A
Sol.22 B
Sol.23 B
Sol.24 D
Sol.25 D
Sol.26 D
Sol.27 A
Sol28 D
Sol.29 B
Sol.30 A

Mathematics

Sol.31 (a) 2185=MMCLXXXV
SOL.32 (a) original no.=97580
New no.=95780
Difference = 97580-95780=1800
Sol.33 (b) LCM of 4,5,7,8and 10 is

2	4 ,5,7,8,10
2	2,5,7,4,5
2	1,5,7,2,5
5	1,5,7,1,5
7	1,1,7,1,1
	1,1,1,1,1

LCM = 2×2×2×5×7= 280

$280s = \frac{280}{60}$= 4min 40 s

Sol. 34 (a) second no. =13×1986/117
=25857/117 = 221
Sol. 35 let the no be x
2×x+3×42=238
2x=238-126

2x=112 , x=56
Required sum = 3×56+2×42
= 168+84 = 252
Sol. 36 let the subtracted no be x
Then acc. To the question
986864-x= 345362 + 453532
X= 986864-(345362+453532)
X=986864 – 798894
X=187970
Sol.37. (c) no. of chairs can be bought with
Rs.1530=15chairs
No. of chairs can be bought with Rs.1=15/1530
No. of chair can be bought with
=4590=15/1530×4590 = 45chairs
Sol. 38(d) cost of table =Rs. 60
Cost of 5 table = Rs60× 5 = Rs300
Cost of 3 chair +5 tables= Rs444
Cost of 3 chair=444-300= Rs144
Cost of 1 chair = Rs144/3 = Rs48
Sol.39 sum of 5 no.=5×306.4
=1532
Third no. = 1532-2×431-2×214.5
=1532-862-429=241
Sol.40 average age of 4 sisters =7yr
Total age of 4 sisters=7×4 =28yr
Average age of 4 sisters and mother =(7+6)=13yr
Total age of 4 sisters and mother =(5×13)=65yr
Mothers age=(65-28)=37yr
Sol.41(d) no of girls

$= \frac{ratio\ term\ for\ girls}{total\ sum\ of\ ratio}$×no. of students

$=\frac{5}{2+5}$×350=5/7×350=250

Sol.42 x is to added

$\frac{49+x}{68+x}=\frac{3}{4}$

196+4x=204+3x
4x-3x =204-196 , x=8
Sol. 43 (d) original price = Rs15
Price after decrement = Rs12
Decrement = Rs15- Rs12= Rs3
Decreased percentage = 3/5×100=20%
Sol. 44 total trees in a garden=2000
Percentage of mango trees=12%
Percentage of lemon trees =18%
Percentage of orange trees =100-(12+18)
=100-30=70%
No. of orange trees=70/100×2000=1400

Sol.45 SP=CP$(1 - \frac{rate}{100})$

$=37.50(1\frac{12}{100})$

$=37.50×\frac{88}{100}$=Rs 33

Reasoning

Sol.46 (b) the positional value of E in english
alphabetical order is 5 similarly j is10.

Sol.47 (a) pleasure is opposite of sorrow then right is opposite of wrong.

Sol. 48. Except 7 all other are non- prime no.

Sol. 49 L+2=N, L-2=JTHEN, LNJ similarly,
    N+2=P, N-3=K IS A odd one.

Sol. 50 N+1=O,D-1=C, O+1=P,C-1=B,P+1=Q,B-1=A

Sol.51 G+2=I,I+3=L,L+4=P
        13-2=11,11-2=9,9-2=7
        T-2=R, R-3=O,O-4=K

SOL.52 BRINJAL=REVERSE=LAJNIRB
   Similarly, LADYFINGER=REVERSE=REGNIFYDAL

Sol.53. the alphabet is coded p=2, E=4, I,R=5,L=3
            SO, PREAL='24153'

Sol.54 (b)

Sol.55 (c) monarchy→monastic→monetary→moneyed
Monetary comes at 3 place

Sol.56 no. of students ahead of mahesh =42-16=26
  Mahesh ranks from top=26+1=27
Mahesh ranks from top .

Sol.57 rakesh>mukesh>suresh
       Amer>rakesh>harish

Sol.58 (b) 12×6+15-16÷4
       12×6+15-4
        72+15-4=83

Sol.59 (acc. To the question
?=54÷16-3×6+2
     -,   ×, +, ÷
Then, 54-16×3+6÷2
54-16×3+3
54-48+3=9

Sol.60 C←brother of A ←SISTERSof B
                   ↑aunt   ↓ daughter
                    D←Brotherof E