ENGLISH

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

Science

Sol. 16 (C)
SOL. 17 (B)
SOL. 18 (B)
SOL. 19 (C)
SOL. 20 (B)
SOL. 21 (D)
SOL. 22 (A)
SOL. 23 (C)
SOL.24 (A)
SOL. 25 (C)
SOL. 26. (A)
SOL. 27 (C)
SOL. 28 (B)
SOL. 29. (D)
SOL. 30 (C)

MATHS

SOL. 31 (B)
required no. = 7236 × 56= 405216
New number = 7236× 65= 470340
Required difference = 470340-405216 = 65124

Sol. 32 let us take one angle of triangle to be 900other two equal angles be 450 each then
900+450+450= 1800
Its satisfies the angle sum property of triangle
Option (a) is write condition

Sol. 33 (A) lets L be the length ,B be the breadth of rectangle L =5+B
Perimeter = 50cm
2(l+b) =50cm
2(5+b+b)=50
2(5+2b)=50
10+4b=50
4b=40
B=10cm
L= 10+5=15 cm
Required area = l×b=10×15=150cm^2

Sol. 34 (C) area of floor not carpeted =total area of floor – area of carpet
= (5 ×4)- (3)2= 20-9=11m^2

Sol.35 .(A) Total students = 1000
Students who do not ride the bus =1000-330
=670
Required percentage = 670/1000×100= 67%

Sol. 36 (B) required other no. = 12.194/4.69=2.6

Sol.37 (C)the length of the rectamgle be3x
Breadth of rectangle be 5x
Perimeter= 3200/2=1600m
2(3x+5x) =1600
16x=1600,x= 100
Area of lawn = 3x×5x= 15x2
= 15(100)2 = 150000m^2
Cost of developing the lawn = Rs. 10×150000
= Rs. 1500000

Sol. 38 (b) 2+8=10,5+9=14,10+8=18, 14+9=23
18+8=26, 23+9=32 ,26+8=34
Sol.39(D) let the rate of interest be r% per annum
Simple interest =Rs. (7800-6000)=Rs. 1800
SI= prt/100
1800= 6000×r×5/100
R= 1800×100/6000×5=6%
Sol. 40(A) length of train= 100m
Length of platform = 150m
Speed = 60km/h
60×5/18=50/3m/s
Required time= (100+150)/50/3= 250×3/50=15s
Sol. 41 (A)let the HCF of x
LCM of 28x
Now, x+28x= 1740
29x= 1740
X=1740/29=60
HCF= 60 ,LCM =28×60=1680
Required other no. = 60×1680/240=420
Sol. 42(B) LCM. (18,21,24)=504
18-7=11
21-10=11
24-13=11
The required no.=504k+11
K=6 satisfies the option (b) =504(4)-11=3024-11=3013
Sol. 43(B) increase in total weight = 6×5=30kg
Weight of the new boy =30+20=50 kg
Sol. 44 (A)the length of the garden = 300/5=60m

Sol. 45(C) let the no be x
Seconed no. is x+36
X+x+36=48
2x+36=48
2x=12
X=6
First no.x = 6
Seconed no. = 6+36= 42

REASONING

Sol. 46(C) accept book all oter are same
Sol .47 (b)
Sol. 48(A) no. of boys in class= position of boys
From beginning +position of boys from ends -1
19+19-1= 37
Sol. 499(C) BANK provide LOANS
Sol. 50(A) in place of NORTH-WEST , there will be SOUTH-WEST
Sol. 51 (c)
Sol. 52(A) except STUDENT all other are professions.

Sol. 53(C) 12÷6-3 ×2+8
= 2-3×2+8= 2-6+8=10-6=4

Sol. 54(D) nitin ranks from the last
=total students – rank from top+1=49-18+1=32

Sol. 55(C) 6+5=11,11+10=21,
21+15=36,36+20=56,56+25=81

Sol. 56 (b) 19×2-1=37
26×2-1=51
Sol. 57(C) X is the grandson of Y
Sol .58(D) area of rect. =48m3
L=6M
B=Xm
Area of rect.=l×b=48=6×X
X= 8

Sol. 59 (A) M+2=O,B+2=D,S+2=U
B+2=D, R+2=T, L+2=N

SOL. 60(B) except PEEL all other are the cooking method.