Section A (Aptitude paper)

Q1.

The average weight of 10 men is decreased by 2 kg when one of them whose weight is 60 kg is replaced by a new man. What is the weight of the new man?

A. 35 kg
B. 40 kg
C. 45 kg
D. 50 kg

Q2.

What is the sum of all odd numbers up to 240?

A. 14400
B. 13400
C. 12400
D. 11400

Q3.

Find the largest 4 digit number that is exactly divisible by 66.

A. 9987
B. 9912
C. 9916
D. 9966

English

04.

Replace the underlined grammatically incorrect part of the sentence with one of the given options to make it grammatically correct.

He was very tired as <u>he is working</u> since 7 O' clock in the morning.

A. he was working
B. he had been working
C. he has been working
D. he will be working

Q5.

A and B together can do a piece of work in 8 days. If A alone can do the same work in 12 days. A alone worked for 4 days. After that how long will B alone take to complete the work?

A. 20 days
B. 16 days
C. 15 days
D. 18 days

Q6.

A mixture of 150 litres of spirit and water contains 20% water. How much more water should be added so that water becomes 25% of the new mixture?

A. 5 lit
B. 20 lit
C. 15 lit
D. 10 lit

Q7.

LCM and HCF of 1/3, 5/6 , 5/4, 10/7 -
A. 10/7, 2/47
B. 10, 1/84
C. 10/11, 3/47
D. 10, 1/48

ENGLISH

08.

Fill in the blanks with correct Articles-
Padmasi title is ___ honour conferred upon people for their services.

A. a
B. an
C. the
D. no article

Q9.

What is John's present age, if after 10 years his age will be 5 times his age 5 years back.

A. 6.2 years
B. 7.7 years
C. 8.7 years
D. 10 years

Q10.

A boat covers 800 meters in 600 seconds against the stream and returns downstream in 5 minutes. What is the speed of the boat in still water?

A. 1 m/s
B. 1.5 m/s
C. 2 m/s
D. 2.5 m/s

Q11.

Find the number of ways the letters of the word 'RUBBER can be arranged?

A. 450
B. 362
C. 250
D. 180

ENGLISH

Q12.

In the following question, an idiom / phrase is given. Choose its correct meaning in the given context from the alternatives given below.
To hold one's tongue

A. to support
B. to interfere in one's work
C. to insult someone
D. to keep quite

Section B : C Programming

1.
```c
#include <stdio.h>
int main( void )
{
    int var1 = 1, var2=0;

    var1 = !(!(!( --var1 || (++var2 == 1))) && var2--);
    printf("\n var1=%d var2=%d",var1, var2);

    return 0;
}
```

2.
```c
#include <stdio.h>
int main( void )
{
    float x;

    x = 0.39f == (float)(3.9/10.0);

    printf("x=%-3.3f", !x);

    return 0;
}
```

3.
```c
#include<stdio.h>
int main(void)
{
    int t,a=5,b=10,c=15;

    t=((++a && ++b, ++a), ++a || ++c);

    printf("t=%d a=%d b=%d c=%d",t,a,b,c);
    return 0;
}
```

4.
```c
#include <stdio.h>
int main(void)
{
    int a,b,c;

    a=printf("\t \"SunBeam\" - \t'IT Park' \t");

    b=printf("\t \'Pune\' \t");

    c=printf("\n a = %d",a)+ ++b;

    printf(" c = %d",c);

    return 0;
}
```

5.
```c
#include <stdio.h>
int main( void )
{
    printf("\n ans1=%d ans2=%x ans3=%o", 064,064,064);

    return 0;
}
```

6.
```c
#include <stdio.h>
int main( void )
{
    int _1=0;
    printf("True=%d", _1++);
    ++_1,--_1,1--;
    printf("False=%d",_1++);

    return 0;
}
```