



PART – A

1. 29th State of India is :
A) Chattisgarh
B) Uttaranchal
C) Jharkhand
D) Telangana
2. Who has won the Liberty Medal for 2014 ?
A) Kofi Annan
B) Nelson Mandela
C) Malala Yousafzai
D) Colin Powell
3. The rhino's horn is made of ?
A) Hair
B) Bone
C) Muscle
D) Cartilage
4. The ratio of width of our National Flag to its length is
A) 3:5
B) 2:3
C) 2:4
D) 3:4
5. What is mainly extracted from pitchblendes ?
A) Uranium
B) Plutonium
C) Thorium
D) Aluminum
6. What is the staple food of one third of the world's population ?
A) Wheat
B) Maize
C) Rice
D) Tapioca
7. Citius Altius Fortius is the motto of which organisation ?
A) Olympics
B) Asian Games
C) Wimbledon
D) National Games
8. Which bird turns its head upside down to eat ?
A) Sea Gull
B) Flamingo
C) Crane
D) Egret
9. What element is present in all organic compounds ?
A) Chromite
B) Carbon
C) Barium
D) Bauxite
10. The country which hosted the first World Earth Summit on conservation of environment is
A) USA
B) India
C) UK
D) Brazil



PART – B

26. Consider the function below :

```
intcalc(int x, int y)
{
    if (y == 1) return x;
    else return calc(x, y - 1) + x;
}
```

Assuming that the invocation call is “calc(a, b)” and that “a” and “b” are +ive integers, what result does this function return?

- A) $a*(b - 1)$
- B) $a*b$
- C) $a + b$
- D) a^b

27. Assuming that the following C program fragment is syntactically correct, determine its output :

```
{ int x = 3, y = 7;
{ int x;
{ int y = 9;
x = 2 * y;
}
x += y;
printf(“%d”,x);
}
printf(“%d”,x);
}
```

- A) 25 27
- B) 27 27
- C) 27 3
- D) 25 3