Basic Maths & Calculus $\quad$ DPP-01

1. Find the value of $10^5 \times 10^3$?
   (1) 10^6
   (2) 10^4
   (3) 10^8
   (4) 10^2

2. Find the value of $10^{-3} \times 10^8$?
   (1) 10^{-5}
   (2) 10^2
   (3) 10^5
   (4) 10^{11}

3. Find the value of $(64)^{2/3}$?
   (1) 4
   (2) 16
   (3) 32
   (4) 64

4. Find the value of $10^2 + 10^{-1}$?
   (1) 10^1
   (2) 10^2
   (3) 100.1
   (4) 10.1

5. Find the value of $\dfrac{10^6}{10^{-6}}$?
   (1) 10^6
   (2) 10^{12}
   (3) 10^{-18}
   (4) 10^{-12}

6. Find the value of x for given expression?
   $$(7 + x)^{3/2} = 64$$
   (1) 4
   (2) 9
   (3) 16
   (4) 3

7. Find the value of x for given expression?
   $$(3 + x)^{3/2} = 27$$
   (1) 3
   (2) 6
   (3) 9
   (4) 12

8. Find the value of $5^3 - 5^2$?
   (1) 100
   (2) 50
   (3) 125
   (4) 225

9. Find the value of $(27)^{2/3} + (125)^{2/3}$?
   (1) 36
   (2) 34
   (3) 16
   (4) 25

10. Find the value of $(8)^{5/3}$?
    (1) 16
    (2) 8
    (3) 32
    (4) 4

ANSWER KEY

1.	(3)		6.	(2)
2.	(3)		7.	(2)
3.	(2)		8.	(1)
4.	(3)		9.	(2)
5.	(2)		10.	(3)