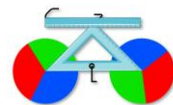**TEST DATE: 18/08/2021**

TOPIC: INTEGERS **

CLASS – 7, Mumbai

INSTRUCTIONS & INFORMATION

- **WRITE THE FOLLOWING ON THE FIRST PAGE OF YOUR ANSWER SHEET**
- NAME:
- CLASS: - 7
- TOPIC: - INTEGERS
- DATE : - 18TH AUG 2021

- **TOTAL TIME:- 1 Hr ;   TOTAL MARKS :- 30**

Q 1) (4 marks)

a) $12^4 = 20376$; Use this fact to find value of 12^5 and show your method.

b) $11^2 = 121$; Use this fact to find value of 11^3 and show your method.

c) Find $\sqrt[3]{-1}$

d) Find $\sqrt{4}$

Q 2) Write as a single power of 7 …………(4 marks)

a) $7^4 \times 7^5$

b) 1

c) $(7^4)^5$

d) $7^{10} \div 7$

Q 3) Solve these equations.(2 marks)

a) $x^3 + 64 = 0$

b) $x^2 + 64 = 0$

Q 4) Write 8^4 as a power of 2.   (2 marks)

Q 5) Are these calculations correct? If not, correct them.(4 marks)

a) $(-2)^3 = -8$

b) $-5 \times -4 = 20$

c) $(-10)^2 = -20$

d) $-27 \div -3 = 9$

Q 6) Solve as instructed.(8 marks)

a) Write 350 as a product of prime factors

b) Write 560 as a product of prime factors.

c) Find the HCF of 350 and 560.

d) Find the LCM of 350 and 560.

Q7 Write each of these numbers as a product of prime factors. (4 marks)

a) 159

b) 1900

c) 84

d) 125

Q 8) Read the statement in (a) & solve (b)   ...(2 marks)

a)   Square of an **integer** is 16.

b) What will be the cube of the **integer.**