

Q1) Find the remainder when 43^{197} is divided by 7

- a) 2
- b) 4
- c) 6
- d) 1

Q2) Find the remainder when 51^{203} is divided by 7

- a) 4
- b) 2
- c) 1
- d) 6

Q3) Find the remainder when 59^{28} is divided by 7

- a) 2
- b) 1
- c) 6
- d) 4

Q4) Find the remainder when 67^{99} is divided by 7

- a) 2
- b) 4
- c) 6
- d) 1

Q5) Find the remainder when 75^{80} is divided by 7

- a) 4
- b) 3
- c) 2
- d) 6

Q6) Find the remainder when 3^{560} is divided by 8

- a) 4
- b) 5
- c) 1
- d) 3

Q7) Find the remainder when 83^{261} is divided by 17

- a) 13
- b) 9
- c) 8
- d) 2

Q8) Find remainder when $2222^{5555} + 5555^{2222}$ is divided by 7

- a) 0
- b) 1
- c) 2
- d) 3

Q9) Find the remainder when 9^{100} is divided by 8

- a) 1
- b) 2
- c) 0
- d) 4

Q10) Find the remainder when 2^{1000} is divided by 3

- a) 1
- b) 2
- c) 4
- d) 6

ANSWERS:

- 1 – D
- 2 – A
- 3 – D
- 4 – D
- 5 – A
- 6 – C
- 7 – D
- 8 – A
- 9 – A
- 10 – A