



PUHUP AGRITECH INDIA PRIVATE LIMITED

Online Examination

SAMPLE STUDY MATERIAL

There will be 50 questions in the Main Online Examination each question carries one mark. For every correct answer, one mark added to score and for every incorrect answer, one mark is deducted i.e. negative marking for the incorrect answers. The time duration for the examination is of 45 minutes. The questions asked are of objective type with multiple options, out of which there is only one correct option. The questions asked in the examination are from the various topics of the following subjects. The reference books are available in the market on the below mentioned subjects which you can find useful to study the subjects thoroughly and prepare for the examination.

- 1) **General Knowledge**
- 2) **Computer Science**
- 3) **Quantitative Aptitude**
- 4) **Logical Reasoning**
- 5) **Agriculture Science**

The following are the examples of the type of questions from the few selected topics of the above mentioned subjects that might be asked in the main online examination for various ranks. This is just a sample study material and candidate do not consider this as the only source for the questions asked in the examination. The study material is for the giving candidates an rough idea about the type of question, pattern and the way they need to answer. Do not confuse that the question in the examination will be asked only from the Sample Study Material.

Quantitative Aptitude

Q 1] Which one of the following cannot be the square of a natural number ?

a) 30976

b) 75625

c) 28561

d) 143642

e) None of these

Answer: D

Q 2] Which of the following is not a prime number ?

a) 31

b) 61

c) 71

d) 91

Answer: D

Q 3] The smallest 6-digit number exactly divisible by 111 is :

a) 111111

b) 110011

c) 100011

d) 110101

e) None of these

Answer: C

Q 4] On dividing a number by 357, we get 39 as remainder. On dividing the same number by 17, what will be the remainder ?

- a] 0
- b] 3
- c] 5
- d] 11

Answer: C

Q 5] What is the unit digit in 7^{105}

- a] 1
- b] 5
- c] 7
- d] 9

Answer: C

Q 6] The difference between the place value of two sevens in the numeral 69758472 is

- a] 0
- b] 6993
- c] 699930
- d] None of these

Answer: C

Q 7] The unit digit in the product $(784 \times 618 \times 917 \times 463)$ is:

- a] 2
- b] 3
- c] 4
- d] 5

Answer: A

Q 8] $\frac{768 \times 768 \times 768 + 232 \times 232 \times 232}{768 \times 768 - 768 \times 232 + 232 \times 232} = ?$

- a) 1000
- b) 536
- c) 500
- d) 268
- e) None of these

Answer: A

Q 9] $(?) + 3699 + 1985 - 2047 = 31111$

- a) 34748
- b) 27474
- c) 30154
- d) 27574
- e) None of these

Answer: B

Q 10] If $1400 \times X = 1050$. Then $X = ?$

- a) $\frac{1}{4}$
- b) $\frac{3}{5}$
- c) $\frac{2}{3}$
- d) $\frac{3}{4}$
- e) None of these

Answer: D

Q 11] $8988 \div 8 \div 4 = ?$

- a) 4494

b) 561.75

c) 2247

d) 280.875

e) None of these

Answer: D

Q 12] If the number $481 * 673$ is completely divisible by 9, then the smallest whole number in place of * will be:

a) 2

b) 5

c) 6

d) 7

e) None of these

Answer: D

Q 13] Which of the following numbers is completely divisible by 99 ?

a) 3572404

b) 135792

c) 913464

d) 114345

e) None of these

Answer: D

Q 14] If the number $42573 *$ is exactly divisible by 72, then the minimum value of * is:

a) 4

b) 5

c) 6

d) 7

e) 8

Answer: C

Q 15] If X and Y are the two digits of the number 653 XY such that this number is divisible by 80, then $X + Y = ?$

- a] 2
- b] 3
- c] 4
- d] 6
- e] None of these

Answer: A

Q 16] $(x^n - a^n)$ is completely divisible by $(x - a)$, when

- a] n is any natural number
- b] n is an even natural number
- c] n is an odd natural number
- d] n is prime

Answer: A

Q 17] What will be the remainder when 17^{200} is divided by 18 ?

- a] 17
- b] 16
- c] 1
- d] 2

Answer: C

Q 18] A 3-digit number $4a3$ is added to another 3-digit number 984 to give a 4-digit number $13b7$, which is divisible by 11. Then, $(a + b) = ?$

- a] 10
- b] 11

c] 12

d] 15

Answer: A

Q 19] If x and y are positive integers such that $(3x + 7y)$ is a multiple of 11, then which of the following will be divisible by 11 ?

a] $4x + 6y$

b] $x + y + 4$

c] $9x + 4y$

d] $4x - 9y$

Answer: D

Q 20] $(11^2 + 12^2 + 13^2 + \dots + 20^2) = ?$

a] 385

b] 2485

c] 2870

d] 3255

Answer: B

Q 21] $(2^2 + 4^2 + 6^2 + \dots + 20^2) = ?$

a] 770

b] 1155

c] 1540

d] 385×385

Answer: C

Q 22] $2 + 2^2 + 2^3 + \dots + 2^9 = ?$

a] 2044

b] 1022

c] 1056

d] None of these

Answer: B

Q 23] $(1^2 + 2^2 + 3^2 + \dots + 10^2) = ?$

a] 330

b] 345

c] 365

d] 385

Answer: D

Q 24] $(1 - 1/n) + (1 - 2/n) + (1 - 3/n) + \dots$ upto n terms = ?

a] $\frac{1}{2} n$

b] $\frac{1}{2} (n - 1)$

c] $\frac{1}{2} n (n - 1)$

d] None of these

Answer: B

Q 25] A boy multiplied 987 by a certain number and obtained 559981 as his answer. If in the answer both 9s are wrong and the other digits are correct, then the correct answer would be :

a] 553681

b] 555181

c] 555681

d] 556581

Answer: C

Q 26] In dividing a number by 585, a student employed the method of short division. He divided the number successively by 5, 9 and 13 (factors of 585) and got the remainders 4, 8, 12 respectively. If he had divided the number by 585, the remainder would have been :

a] 24

b) 144

c) 292

d) 584

Answer: D

Q 27] Which one of the following is the common factor of $(47^{43} + 43^{43})$ and $(47^{47} + 43^{47})$?

a) $(47 - 43)$

b) $(47 + 43)$

c) $(47^{43} + 43^{43})$

d) None of these

Answer: B

Q 28] It is being given that $(2^{32} + 1)$ is completely divisible by a whole number. Which of the following numbers is completely divisible by this number ?

a) $(2^{16} + 1)$

b) $(2^{16} - 1)$

c) 7×2^{33}

d) $(2^{96} + 1)$

Answer: D

Q 29] Which one of the following numbers will completely divide $(4^{61} + 4^{62} + 4^{63} + 4^{64})$?

a) 3

b) 10

c) 11

d) 13

Answer: B

Q 30] Which one of the following numbers will completely divide $(3^{25} + 3^{26} + 3^{27} + 3^{28})$?

a) 11

b] 16

c] 25

d] 30

Answer: D

Q 31] If n is a natural number, then $(6n^2 + 6n)$ is always divisible by :

a] 6 only

b] 6 and 12 both

c] 12 only

d] by 18 only

Answer: B

Q 32] What will be the remainder when $(67^{67} + 67)$ is divided by 68 ?

a] 1

b] 63

c] 66

d] 67

Answer: C

Q 33] Which of the following numbers will completely divide by $(49^{15} - 1)$?

a] 8

b] 14

c] 48

d] 50

Answer: A

Q 34] A car moves at the speed of 80 km/hr. What is the speed of the car in meters per second?

a] 8 m/sec

b] $20 \times \frac{1}{9}$ m/sec

c] $22 \times \frac{2}{9}$ m/sec

d] None of these

Answer: C

Q 35] An athlete runs 200 meters race in 24 seconds. His speed is:

a] 20 km/hr

b] 24 km/hr

c] 28.5 km/hr

d] 30 km/hr

Answer: D

Q 36] Which of the following trains is the fastest?

a] 25 m/sec

b] 1500 m/min

c] 90 km/hr

d] None of these

Answer: D

Q 37] A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?

a] 3.6

b] 7.2

c] 8.4

d] 10

Answer: B

Q 38] A man walking at the rate of 5 km/hr crosses a bridge in 15 minutes. The length of the bridge (in meters) is:

a] 600

b] 750

c] 1000

d] 1250

Answer: D

Q 39] How long will a boy take to run round a square field of side 35 meters, if he runs at the rate of 9 km/hr?

a] 50 sec

b] 52 sec

c] 54 sec

d] 56 sec

Answer: D

Q 40] A car is running at a speed of 108 kmph. What distance will it cover in 15 seconds?

a] 45 meters

b] 55 meters

c] 450 meters

d] Cannot be determined

e] None of these

Answer: C