**CPN NPT – 2024**

**CLASS-8TH Maximum Marks: 100**

**Duration : 45 min.**

**General Instructions**

1. The test if of 45 mins. Duration and the maximum marks is 100.
2. The question paper consists of 3 parts (Part 1: Physics, Part II: Chemistry, part III: Mathematics).
3. Contains 20 multiple choice Questions. Each question has 4 choices (a), (b), (c) and (d), out of which **ONE CHOICE** is correct.
4. No candidate is allowed to carry any textual material, printed or written, bits of papers, pager, mobile phone, any electronic device, etc. inside the examination room/hall.
5. On completion of the test, the candidate must hand over t he Answer sheet to the **Invigilator** on duty in the Room/Hall. **However, the candidates are allowed to take away this Test Booklet with them.**

**Marking Scheme**

1. +5 for correct answer, -1 (negative marking) for incorrect answer, 0 for all other cases.

**Questions:-**

Q.1 If a force of 100N acts on an area of 10m2, the pressure equal:-

a) 10N/m2 b) 1n/M2 c) 1000N/m2 d) 10000 N/m2

Q.2. Friction is Inimized by using.

a) Wheels and ball bearings. b) More number of tyres in a car

c) Rough Surfaces d) None of these

Q.3. Out of the following, which frequency is not clearly audible to the human ear ?

a) 30Hz b) 30000Hz c) 300Hz d) 3000Hz

Q.4 Current in wire is the flow of :

a) Matter b) Electron c) Neutrons d) Charge

Q.5 The pressure of a Liquid at a given depth:

a) is more in Left b) is more in Right

c) is same in all directions d)can’t say

Q.6 The inter conversion involved in usage of “odonil” in wash room is …………..

1. Sublimation (b) deposition (c) melting (d ) freezing

Q.7 Which of the following is not a noble gas?

1. Helium (b) Neon (c) Argon (d) Nitrogen

Q.8 Mass number of three elements A, B and C are 35, 37 and 39 respectively. The number of neutrons in A, B and C are 18, 20 and 20 respectively. Which two elements will show similar chemical properties?

1. A and B (b) B and C (c) C and A (d) None of these

Q.9 Latin name of mercury element is-

1. Argentum (b) Ferrum (c) Stannum (d) Hydragyrum

Q.10 In the equation, a Al + bH2SO4 cAl2 (SO4)3 + dHz

a, b, c, d are respectively -

1. 2, 3, 1, 1 (b) 2, 3, 1, 3 (c) 2, 3, 2 3 (d) 2, 2, 3, 3

Q.11 The multiplicative inverse of -2 is

5

1. -2 (b) -5 (c) 5 (d) 1

5 2 2

Q.12 When 9 is added to two times a number.

We get 67. The number is

1. 25 (b) 27 (c) 29 (d) 31

Q.13 The sum of the exterior angles of a hexagon is

(a) 900  (b) 1800  (c) 3600 (d) 7200

Q.14 What will be the number of zeroes in the square of 4700.

(a) 2 (b) 4 (c) 6 (d) 8

Q.15 What is the one’s digit in the cube root of 1728.

(a) 1 (b) 2 (c) 3 (d) 9

Q.16 The marked price of a book is Rs. 100. The shopkeeper gives a discount of 25% on it. The selling price is Rs. ……………..

(a) 100 (b) 27 (c) 125 (d) 75

Q.17 Flow many terms are there in the expression.

5 – 3x2y ÷ z

1. 1 (b) 2 (c) 3 (d) 5

Q.18 How many faces does a cube have.

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

Q.19 The area of the figure is

(a) 77 cm2 (b) 154 cm2

(c) 38.5 cm2 (d) 49 cm2

7 cm

Q.20 The common factor of 14a2b and 35a4b2,

(a) a**4**b**2**  (b) 35a**4**b**2**

(c) 14a**2**b (d) 7a**2**b