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SIMPLY ACADEMY **Seat No.** | | | | | | | |

Std 9 **Science 1,Science 2** **Date 19-Sep-2023**

Chapter 1.,2.,3.,5.,6.,7.,8.,9. **Marks 25**

1) Conductors whose resistance becomes zero if the temperature is decreased upto a certain value to zero kelvin are called …… conductor.

A) Good **B)** Super **C)** Bad **D)** Semi

2) Seeds of gymnosperms plants do not have natural coverings

A) True **B)** False

3) Recently, it has been made compulsory in India and some other countries to mix 10% ..... with fuels like petrol and diesel.

A) Spirit **B)** Methane **C)** Biogas **D)** Biofue

4) In plants , sperms refers to .....

A) Overles **B)** Seeds **C)** Roots **D)** Stem

5) Carbon dioxide, in which organelle is converted into Glucose?

A) Chloroplasts **B)** Mitochondria **C)** Cytoplasm **D)** Nucleus

6) ..... principle of waste mamagement reduces the use of inorganic materials.

A) Reduce **B)** Research **C)** Recycle **D)** Renew

7) Which is the major source of energy in the Pyramid?

A) Producer **B)** Consumer **C)** Autotroph **D)** Sun

8) A force of 1N applied to the body displaces it through 1m in the direction of the force.The work done is .....

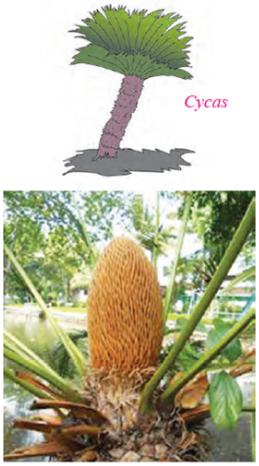
A) 10 ergs **B)** 10^6 ergs **C)** 10^5 ergs **D)** 10^7 ergs

9) Root like rhizoids are present in .....

A) Thallophyta **B)** Bryophyta **C)** Pteridophyta **D)** None of the above

10)

Which of the following is not a character of the given plant?



A) Evergreen, perennial and woody

B) Male and female flowers on different sporophylls of the same plant. **C)** Do not form fruits

D) Cotyledonous seeds

---

11) SO_3+ ..... $\rightarrow$ $Na_2SO_4 + H_2O$

A) NaOH **B)** NaCl **C)** NaO **D)** Nao

---

12) Mumbai produces approximately ……. of garbage daily.

A) 5000 tons **B)** 1700 tons **C)** 900 tons **D)** 1500 tons

---

13) A metallic wire is said to carry an electric current when …… pass through it.

A) Electrons & positive ions **B)** Only electrons **C)** Only positive ions **D)** Only neutrons.

---

14) Waste generated through household industries is a type of ……

A) Urban waste **B)** Biomedical waste **C)** Electronic waste **D)** Garden waste

---

15) When a body changes its position in a certain direction with respect to the surrounding, the body is said to be in ..... with respect to the surrounding.

A) Force **B)** Motion **C)** Momentum **D)** Distance.

---

16) The earth's surface has …….. potential.

A) Zero **B)** Negative **C)** Positive **D)** High

---

17) Fenugreek seed is sterilized with ..... solution.

A) Nitric acid **B)** Ammonia solution **C)** Hydrogen peroxide

---

18) ..... has special tissue for condition of food and water.

A) Pteridophyta **B)** Thallophyta **C)** Bryophyta **D)** All of the above

---

19) A …… is a device which is used to apply potential difference.

A) Voltmeter **B)** Ammeter **C)** Key **D)** Cell

---

20) Food poisoning caused by ..... bacteria.

A) Clostridium **B)** Fungi **C)** Virus

---

21) Which of the following is not a factor affecting Climate?

A) Speed of wind **B)** Population **C)** Temperature **D)** Atmospheric pressure

---

22) The work done to displace a body in the direction of force is ..... .

A) Positive work **B)** Negative work **C)** Zero work **D)** No work

---

23) Metal reacts with acid to liberate

A) Chlorine **B)** Hydrogen **C)** Nitrogen **D)** Oxygen

---

24) The equivalent resistance of a number of resistances connected in parallel is equal to the ……. of the individual resistances.

A) Sum of inverse **B)** Sum **C)** Difference **D)** Product.

---

25) [fig. Plants of the pteridophyta division-Ferns]
The given figure represents which division?

A) Thallophyta **B)** Pteridophyta **C)** Bryophyta **D)** Phanerogams

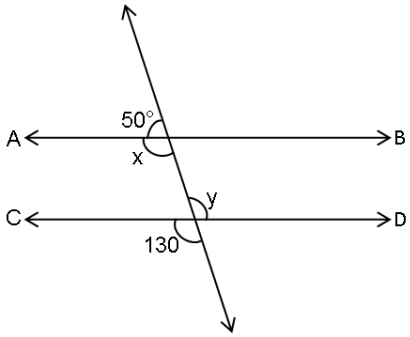
---

SIMPLY ACADEMY **Seat No.**

Std 9 **Maths - I,Maths - II** **Date 19-Sep-2023**

Chapter 1,1.,2,3 **Marks 25**

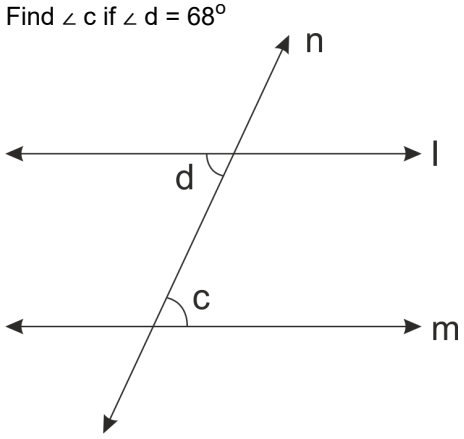
1) Find the value of x, y if AB || CD



A) x = 150°, y = 50° **B)** x = 130°, y = 50° **C)** x = 130°, y = 130° **D)** x = 50°, y = 130°

---

2) If line l ∥ m and line n is the transversal.
Find ∠ c if ∠ d = 68°



A) 108° **B)** 68° **C)** 22° **D)** 64°

---

3) Which of the following is interior angle test of parallel lines

A) If one of the pairs of corresponding angles is congruent then the lines are parallel

B) If one of the pairs of alternate angles is congruent then the lines are parallel.

C) If the interior angles on the same side of a transversal are supplementary then the lines are parallel

D) None of these.

---

4) Which of the following is true statement in respect to parallel lines.

A) If two parallel lines are intersected by a transversal the interior angles or either side of the transversal are supplementary.

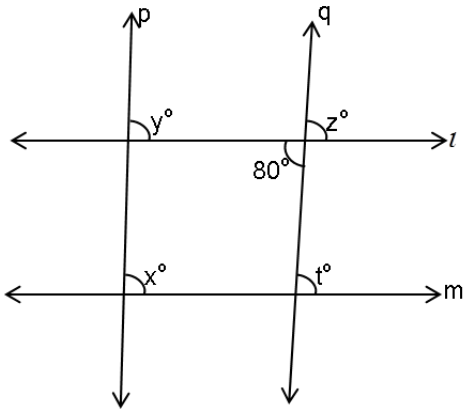
B) The corresponding angles formed by a transversal of two parallel lines are of equal measure.

C) The alternate angles formed by a transversal of two parallel lines are of equal measure.

D) All of the above

---

5)



Find the measure of x, y, z and t

A) x = 80°, y = 80°, z = 80°, t = 80° **B)** x = 80°, y = 70°, z = 80°, t = 70°

C) x = 70°, y = 70°, z = 70°, t = 70° **D)** None of these

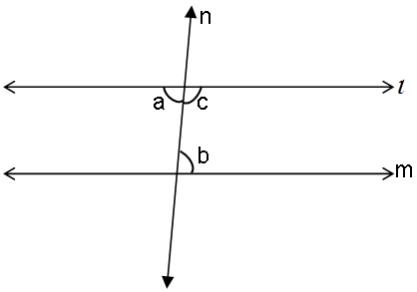
---

6) If two parallel lines are intersected by a transversal find the value of x, when two corresponding angles are (3x - 7)° and (2x + 15)°

A) 22° **B)** 32° **C)** 12° **D)** 20°

---

7)



Sum of which two angles will be 180° if l and m are parallel

A) ∠a and ∠b **B)** ∠b and ∠c **C)** ∠a and ∠c **D)** Both 2 and 3

---

8) When one pair of alternate angles are congruent, remaining pair of alternate angles are ..... .

A) Complimentary **B)** Congruent **C)** Right angles **D)** Obtuse angles

---

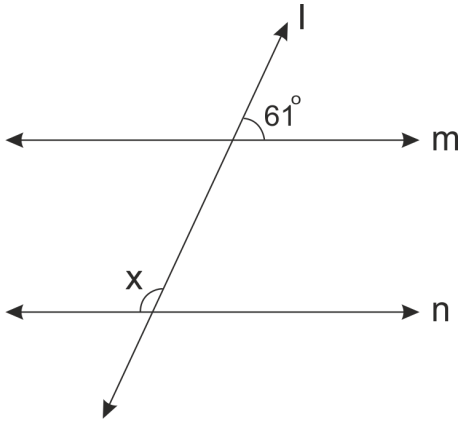
9) The sum of all the angles of a triangle is ..... .

A) 90^o **B)** 120^o **C)** 180^o **D)** 360^o

---

10)

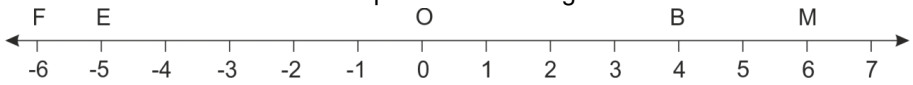
Line m ∥ line n and line l n and line l is the transversal. Find ∠ x



A) 119° **B)** 109° **C)** 69° **D)** 61°

---

11) Find the distance BE with the help of number line given below



A) 2 **B)** 4 **C)** 6 **D)** 9

---

12) Which figure is formed by three non collinear points

A) Circle **B)** Line **C)** Triangle **D)** None of these

---

13) The distance between any two points is a ..... real number.

A) Positive **B)** Non negative **C)** Both 1 and 2 **D)** Negative

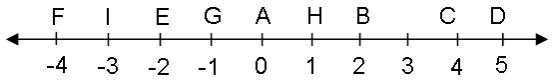
---

14) The converse of the contra positive of ~ p → q is .....

A) q → p **B)** ~ p → p **C)** p → ~ q **D)** ~ q → ~ p

---

15)



Write the points equidistant from B

A) Point C and points A **B)** Point D and point G **C)** Point A and point G **D)** Both 1 and 2

---

16) If AB = 7 cm, BC = 5.2 cm and AC = 3.4 cm the which of the folloiwng is true.

A) BC > AB > AC **B)** AB > BC > AC **C)** AC > AB > BC **D)** AC > BC > AB

---

17) The converse of the statement "if p < q, then p - x < q - x" is :

A) If p < q, then p – x > q – x **B)** If p > q, then p –x > q – x **C)** If p – x > q – x, then p > q

D) If p – x < q – x, then p < q

---

18) If d(X,Y) = 15, d(Y,Z) = 7, d(X,Z) = 8 then which option is true

A) X - Y - Z **B)** X - Z - Y **C)** Y - X - Z **D)** None of these

---

19) If PQ = 4.5 cm and PR = 7.5 cm and QR = 11.2 cm then which of the following is true.

A) PQ > PR > QR **B)** PQ > QR > PR **C)** QR > PQ > PR **D)** QR > PR > PQ

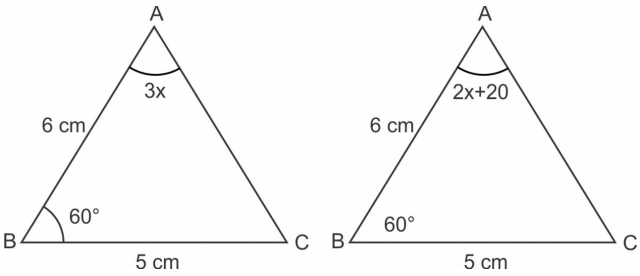
---

20) The distance between the end points of a segment is called the ..... of the segment.

A) Length **B)** Width **C)** Thickness **D)** Diameter

---

21)



Measure of ∠B' A' C' is

A) 50° **B)** 20° **C)** 70° **D)** 80°

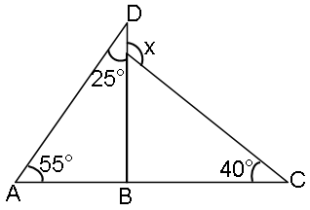
---

22) In a right angled traingle, the length of median on its hypotenus is .....

A) Half the length of hypotenuse **B)** $\frac{1}{\sqrt{2}}$ hypotenuse **C)** $\frac{\sqrt{3}}{2}$ hypotenuse **D)** None of these

---

23) Find x



A) 65° **B)** 80° **C)** 95° **D)** 120°

---

24) An exterior angle of a triangle is equal to 100° and two interior opposite angles are equal. Each of these angles is equal to

A) 75° **B)** 80° **C)** 40° **D)** 50°

---

25) Every triangle is congruent to it self i.e. △ ABC ≅ △ ABC

A) True **B)** False