

Subject: S.St.

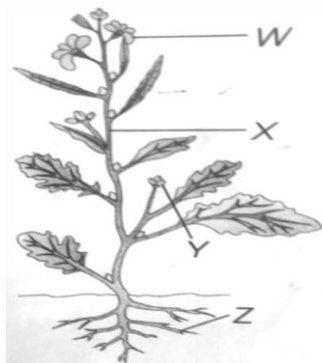
Q1. Choose the correct Answer:

1. Which is the earth consisting of solid portion?  
(a) The Atmosphere (b) Hydrosphere (c) The Lithosphere (d) All of these
2. Which is the largest continent?  
(a) Asia (b) Africa (c) Australia (d) None of these
3. What is biosphere?  
(a) Narrow zone (b) Broad zone (c) Both (a) and (b) (d) None of these
4. Which gas is responsible for global warming?  
(a) O<sub>2</sub> (b) CO<sub>2</sub> (c) N<sub>2</sub> (d) H<sub>2</sub>
5. What are celestial bodies?  
(a) The sun (b) The moon (c) All the shining bodies in the sky (d) All of these
6. The celestial bodies which have their own heat and light are called  
(a) planets (b) stars (c) satellites (d) all of these
7. Which is the most recognisable constellation?  
(a) The saptarishi (b) The moon (c) The sun (d) The mars
8. The lower blocks in Block Mountains are  
(a) Graben (b) horsts (c) glaciers (d) none of these
9. Mountains may be arranged in a line known as  
(a) horsts (b) range (c) glacier (d) all of these
10. Where are glaciers found?  
(a) In plains (b) On mountains (c) In plateaus (d) None of these
11. What is a map?  
(a) A globe (b) A drawing of the earth's surface on a flat paper according to scale  
(c) A projection (d) None of these
12. What is physical map?  
(a) Showing natural features of the earth (b) Showing cities, towns and villages with boundaries  
(c) Showing rainfall, distribution of forests etc. (d) None of the above
13. Which map gives more information?  
(a) Small scale map (b) Large scale map (c) Ordinary map (d) None of these
14. When were the trains used first?  
(a) 200 years ago (b) 250 years ago (c) 150 years ago (d) 300 years ago
15. Why did hunter-gatherers move from place to place?  
(a) In search of food (b) In search of shelters (c) Both (a) and (b) (d) None of these
16. Where is water found?  
(a) In lakes (b) In streams (c) In rivers (d) All of these
17. How did the ancient people travel?  
(a) By buses (b) By trains (c) By ships (d) On foot
18. Which are the animals shown in our national Emblem?  
(a) Goats (b) Lions (c) Bulls (d) None of these
19. What was name of grandfather of Ashoka?  
(a) Krishna (b) Mahavira (c) Sidhartha (d) Chandragupta Maurya
20. In which book were Chanakya's ideas written?  
(a) Ramayana (b) Mahabharata (c) Arthashastra (d) None of these
21. What does this mean, Judge other people negatively or see them as inferior?  
(a) Prejudice (b) Judice (c) Post judice (d) None of these

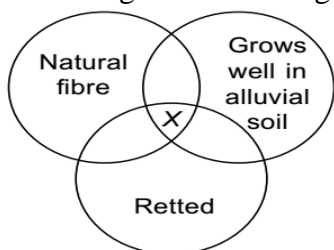
22. How can we be prejudiced about many things?  
 (a) People's religious beliefs (b) The colour of people's skin  
 (c) The region they come from (d) All of these
23. What do governments do for their people?  
 (a) Build the roads and schools (b) Supply the electricity  
 (c) Take action on social issues (d) All of these
24. What is an important part of the government?  
 (a) Courts (b) Private organizations (c) Public schools (d) Parliament
25. At which level does a government work?  
 (a) Local level (b) National level (c) State level (d) All of these
26. The blue colour is used for showing  
 (a) mountains (b) plants and trees (c) water (d) none of these
27. A scale is compulsory for  
 (a) a map (b) a sketch (c) a symbol (d) all of these
28. For what purpose magnetic compass is used?  
 (a) For measuring distance (b) For showing symbols  
 (c) For finding the directions (d) For all of these
29. Plan is a drawing of  
 (a) small area on a large scale (b) large area on a small scale  
 (c) both (a) and (b) (d) none of these
30. What does the Government make for everyone to follow?  
 (a) Laws (b) Decisions (c) Relations (d) None of these
31. Any person who is caught driving without licence can be?  
 (a) jailed (b) fined a large sum of money  
 (c) both (a) and (b) (d) none of them
32. Which type of government is chosen by the people?  
 (a) Democratic Government (b) Dictatorship  
 (c) Monarchy Government (d) None of these
33. What is a Monarchy government?  
 (a) Chosen by the people (b) Ruled by the King or Queen  
 (c) Both (a) and (b) (d) None of these
34. Who was the leader of African National Congress?  
 A. Mahatma Gandhi B. Jawaharlal Nehru  
 C. B.R.Ambedkar D. Nelson Mandela
35. How many stories of houses were generally found in the Harappan cities?  
 A. One or two B. Four  
 C. Multi storey D. None of these
36. Which agency of the Government does the job of protecting the boundaries of the country and maintaining peaceful relations with other countries?  
 A. Gram Panchayat B. Ministry of foreign affairs  
 C. Ministry of defence D. Both A & C
37. On which level does Indian Government take decision to maintain peaceful relations with USSR?  
 A. Local level B. State level  
 C. Central Level D. None of these
38. Any person who is caught driving without driving licence can be?  
 A. Jail B. Fined C. Both A & B D. None of these
39. How many languages are spoken in India?  
 A. More than 1500 B. More than 300 C. More than 1600 D. More than 3400
40. What does this mean, judge other people negatively or see them as inferior?  
 A. Prejudice B. Judice C. Post judice D. None of these

**Subject: Science**

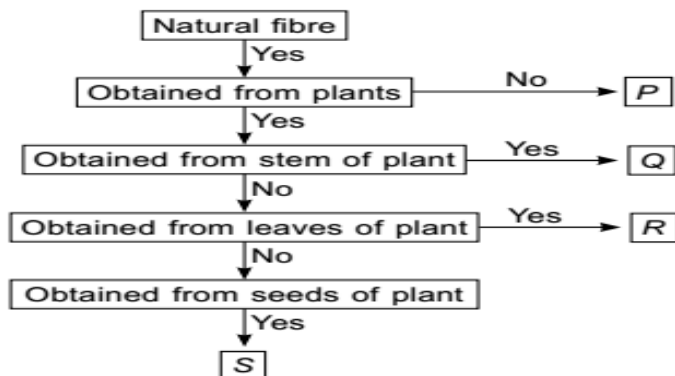
1. We eat different parts of plants as food. Refer to the given figure of a typical plant and select the option that correctly matches the labeled part (W,X,Y and Z) with examples of plants in which they are edible.



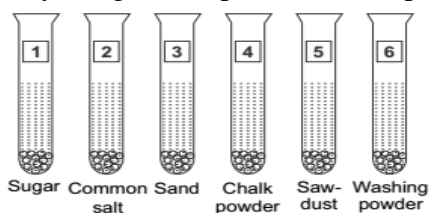
- (a) W- Tapioca; X- Sweet potato ; y- Pepper; Z- Turnip  
 (b) W-Broccoli ; X-Turmeric; Y-Clove; Z-Carrot  
 (c)W-Cabbage ; X-Onion : Y- Pepper ; Z- Carrot  
 (d) W-Broccoli; X- Radish ; Y- Asparagus; Z-Brinjal
2. Identify X in the given Venn diagram



- (a) Silk                      (b) Wool                      (c) Polyester                      (d) Jute
3. Refer to the given flow chart and select the incorrect statement regarding P,Q,R and S.



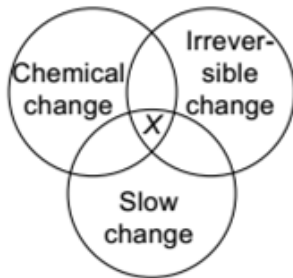
- (a) P could be protein fibre whereas Q, R and S could be cellulosic fibres.  
 (b) Retting is involved in processing of Q whereas ginning is involved in processing of S.  
 (c) P could be wool, Q could be jute. R could be sisal and S could be cotton.  
 (d) Fabrics made from P and S are excellent winter clothing whereas fabrics made from Q and R from excellent summer clothing.
4. Study the given experiment set-up



Substances will completely disappear in test tubes.

- (a) 1,2 and 6                      (b) 2,3 and 4                      (c) 3,4 and 5                      (d)4,5 and 6

5. Study the given Venn diagram carefully.



The centre point X represents

- (a) Rusting
- (b) Dissolving salt in water
- (c) Boiling of an egg
- (d) Bursting of crackers

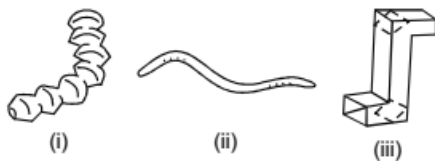
6. Refer to the given figures X and Y; and select the incorrect statement regarding them



- (A) In X, stem is modified to form tendril whereas in Y leaf is modified form tendril.
- (B) Both X and Y are weak-stemmed plants.
- (C) X type tendrils are also found in

- (a) In X, stem is modified to form tendril whereas in Y leaf is modified to form tendril.
- (b) Both X and Y are weak-stemmed plants.
- (c) X type tendrils are also found in Gloriosa.
- (d) In X, leaf is modified to form tendril whereas in Y, stem is modified to form tendril.

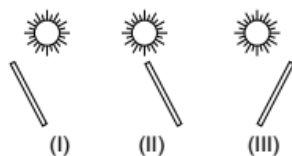
7.



Which of the items above will allow you to see around a corner from where you are standing?

- (a) (i) only
- (b) iii only
- (c) i and ii only
- (d) i and iii only

8. There sticks are placed in an open field as shown in figure. Which of the following sticks will form the shadow of equal length?

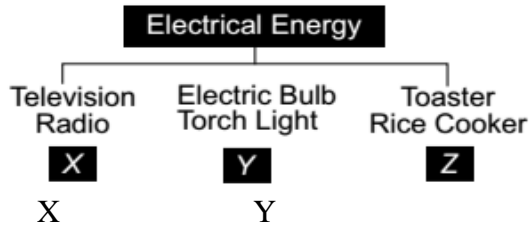


- (a) Sticks I and II only
- (b) Sticks II and III only
- (c) Sticks I and III only
- (d) All sticks (I), (II) and (III)

9. In which of the following circuits will the bulb glow?

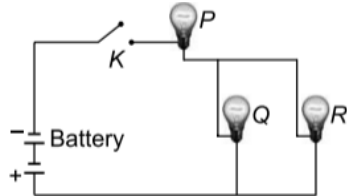


10. Study the classification carefully and select the correct option for X,Y and Z.



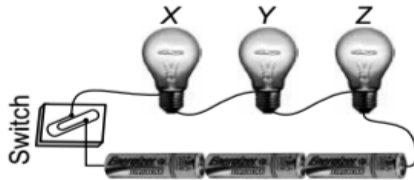
- |                     |                 |                 |
|---------------------|-----------------|-----------------|
| (A) Refrigerator    | Clock           | Microwave       |
| (B) Music System    | Washing machine | Heater          |
| (C) Walkman         | Table lamp      | Electric kettle |
| (D) Air conditioner | Heater          | Hair dryer      |

11. Three identical bulbs namely P, Q and R are connected to a battery as shown. What will happen when the circuit is closed?



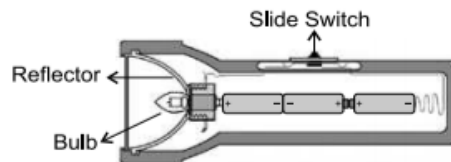
- (a) R will glow bright but Q and P will be dim.
- (b) P,Q and R all will glow equally bright.
- (c) Q and R will immediately burnout.
- (d) P will glow bright, But Q and R will be dim.

12. Ravi connected three bulbs with the cells and a switch as shown. When switch is moved to ON position,



- (a) The bulb X will glow first
- (b) The bulb Y will glow first
- (c) The bulbs Z and X will glow first
- (d) All the bulbs will glow simultaneously

13. Given diagram shows the lateral section of a torch containing cells. The torch is not glowing when the switch is ON. Which of the following statements may be correct regarding the reasons?

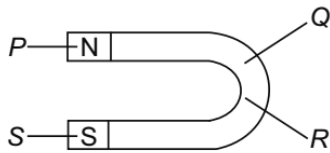


- (i) Bulb of the torch is fused.
  - (ii) Cells are not connected properly
  - (iii) The Metal parts of the torch do not make proper contact with the cell.
- (a) Only i and ii      (b) only ii and iii      (c) only i and iii      (d) All i, ii and iii

14. In the given diagrams, compasses are used to plot the magnetic field around a bar magnet with poles marked N (North) and S (south). Which of the following diagrams correctly shows the expected field pattern?

- |             |             |
|-------------|-------------|
| <p>(a) </p> | <p>(b) </p> |
| <p>(c) </p> | <p>(d) </p> |

15. Lisa did an experiment to find out which part of magnet attracts the most pins. Which of the following readings is correct regarding the number of pins attracted by different parts of the magnet?



- |     | P | Q | R | S |
|-----|---|---|---|---|
| (a) | 8 | 1 | 2 | 8 |
| (b) | 8 | 3 | 3 | 2 |
| (c) | 3 | 2 | 3 | 8 |
| (d) | 1 | 8 | 8 | 1 |

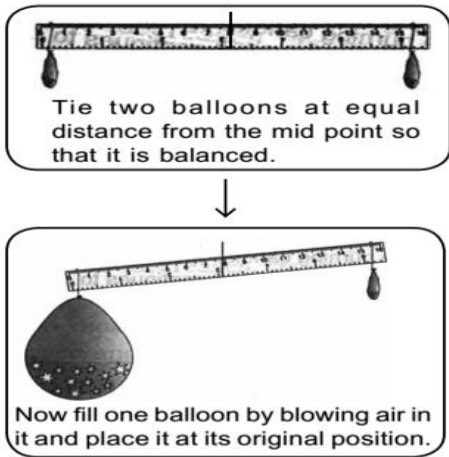
16. In which of the following a permanent magnet is not used?  
 (a) Magnetic door catchers (b) Loudspeakers  
 (c) Compasses (d) None of these
17. The given box contains some waste items.

Aluminium can, Vegetable peel, Broken glasses, Leftover of fruits, Cowdung  
 Teas leave, copper utensil, plastic chair

Which of the following options correctly identifies the number of waste items that are biodegradable and non-biodegradable respectively?

- (a) 4,4 (b) 3,5 (c) 5,3 (d) 6,2

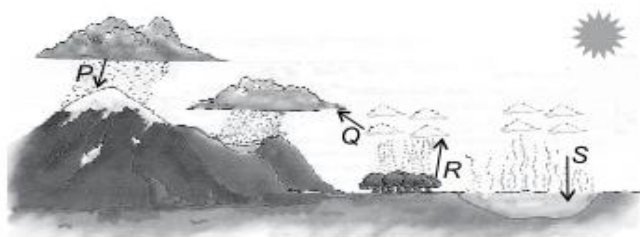
18.



What could be inferred from the above experiment?

- (a) Air contains dust particles (b) Air does not have fixed volume  
 (c) Air has mass (d) Air exerts pressure

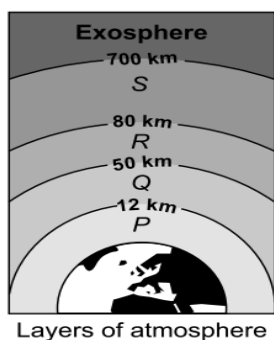
19. Refer to the diagrammatic representation of water cycle and identify P, Q, R and S.



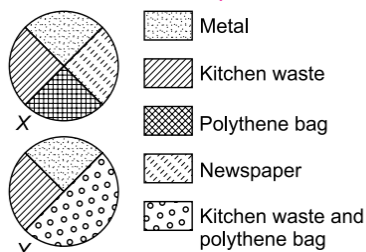
- (a) P – Condensation; Q – Precipitation;  
 R – Transpiration; S - Evaporation  
 (b) P – Precipitation; Q - Condensation

- R – Transpiration; S - Evaporation
- (c) P – Precipitation; Q - Condensation
- R – Evaporation; S - Transpiration
- (d) P – Precipitation; Q - Evaporation
- R – Condensation; S - Transpiration

20. Refer to the given figure representing different layers of Earth's atmosphere and select the incorrect statement regarding it.

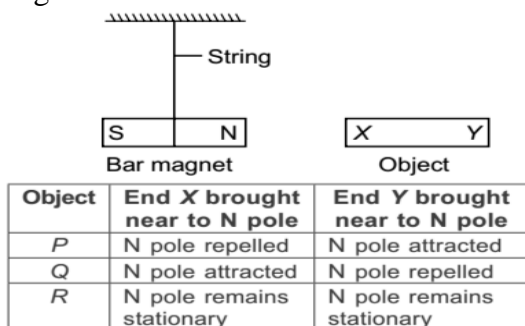


- (a) Wind, storm and snow are formed in P layer of atmosphere
  - (b) Q is the atmospheric layer where most clouds are formed as, 99% of the water vapours are present in this layer.
  - (c) In atmospheric layer R meteors burn up.
  - (d) In atmospheric layer S temperature increases with height
21. Refer to the given pie charts based on waste segregation methods X and Y and select the correct option.



- (a) Method Y is more environmentally conscious method because polythene bags are disposed of with kitchen waste.
- (b) Method X is more environmentally conscious method because polythene bags are disposed of separately.
- (c) Method Y is more environmentally conscious method because newspapers are not generated.

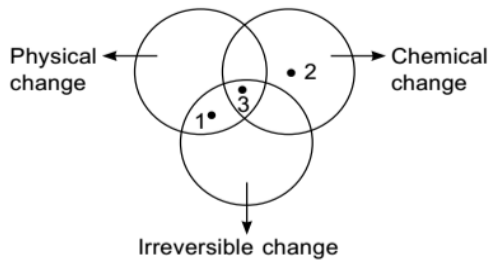
22. Arun suspended a bar magnet on a string as shown in the diagram. He brought 3 bar -shaped objects P, Q and R towards the bar magnet. He placed the ends (X and Y) of each object, near the north pole of the bar magnet and recorded his observations in the table as given here.



Which of the object(s) is/are the magnet?

- (a) P only
- (b) Q only
- (c) R and Q only
- (d) P and Q only

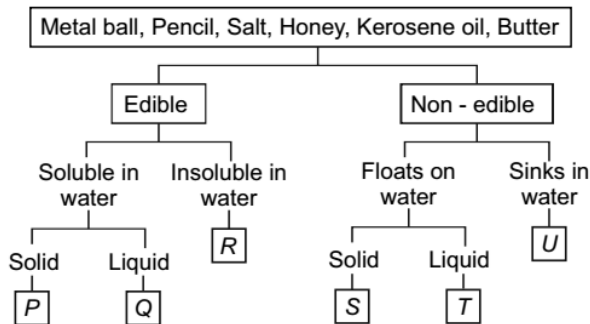
23. Study the given Venn diagram



Identify points 1, 2 and 3

- | 1                       | 2                    | 3                         |
|-------------------------|----------------------|---------------------------|
| (a) Melting of ice      | Boiling of rice      | Burning of a candle       |
| (b) Burning of paper    | Rusting of iron      | Cutting of fruits         |
| (c) Breaking of a glass | Baking a cake        | Burning of LPG in kitchen |
| (d) Tearing of paper    | Evaporation of water | Making lemon made         |

24. The given flow chart was prepared by Natasha for sorting materials into different groups. She handed over the chart to her teacher with few blanks. Fill in the blanks from the given options.



- (a) P- Butter, Q- Honey, R- Salt, s-Metal ball, T- Kerosene oil, U- Pencil  
 (b) P- Salt, Q- Honey, R- Butter, s-Pencil, T- Kerosene oil, U- Metal ball  
 (c) P- salt, Q- butter, R- Honey, s-Metal ball, T- Pencil, U- Kerosene oil  
 (d) P- Metal ball, Q-Honey, R-Butter, S-salt, T-Kerosene oil, U-Pencil

25. Properties of three substances X , Y and Z are given below:

- X: Heavy and non-Magnetic  
 Y: Light and non- magnetic  
 Z: Magnetic

If X, Y and Z are of same size and colour then, which of the following can be used to separate these particles from the mixture?

- (a) Handpicking followed by filtration  
 (b)Magnetic separation followed by winnowing  
 (c) Magnetic separation followed by sieving  
 (d) Sublimation followed by distillation

26. Which Pair Of Statements Best Describes A Deficiency Disease?

- a) They are caused by germs. They are caused due to the lack of nutrients in our diet.  
 b) They are caused due to the lack of nutrients in our diet. They can be passed on to another person through contact.  
 c) They are caused due to the lack of nutrients in our diet. They can be prevented by taking a balanced diet.  
 d) They are caused by germs. They can be passed on to another person through contact.

27. The Vitamin That Gets Easily Destroyed By Heating During Cooking Is

- a) Vitamin-A (b) Vitamin-B  
 c) Vitamin-C (d) Vitamin -D



28. Swollen Glands In Neck And Mental Disability Found In Adult As Well As Children. These Are The Symptoms Of Deficiency Of A Mineral
- a) Iron (b) Iodine  
c) Calcium (d) Magnesium
29. Rickets Is Caused By The Deficiency Of
- a) Vitamin-A (b) Vitamin-B1  
c) Vitamin-C (d) Vitamin-D
30. Minerals Are Needed In Our Body For Building Bones And Teeth. Therefore, We Should Take
- b) Vitamin-C, Vitamin-D (b) Calcium, Phosphorus  
c) Iron, Sodium (d) Magnesium, Pottasium
31. The Components Of Food That Do Not Provide Any Nutrients To Our Body But It Is/Are Essential
- a) Salt, Water (b) Water, Glucose  
c) Roughage, Water (d) Salt, Tomato soup
32. \_\_\_helps To Maintain A Constant Body Temperature In Our Body.
- a) Vitamins (b) Salt  
c) Energy giving food (d) Water
33. Which Type Of Food Pair, Referred As Energy Giving Foods?
- a) Carbohydrate, Fat (b) Carbohydrate, Protein  
c) Protein, Fat (d) Vitamins, Minerals
34. The Essential Components Of Our Food Are Called
- a) Roughage (b) Nutrients  
c) Minerals (d) Vitamins
35. Which Of The Following Nutrients Is Not Present In Milk?
- a) Protein (b) Vitamin-C  
c) Calcium (d) Vitamin-D
36. The Deficiency Of Which Of The Following May Cause The Disease Called Scurvy?
- a) Vitamin-B1 (b) Vitamin-C  
c) Calcium (mineral) (d) Sodium (mineral)
37. Fried Food Like Samosa And Poori, Malai, Rabdi And Peda Are Enrich In
- a) Carbohydrate (b) Protein  
c) Fat (d) Vitamin
38. Which Nutrient Can Be Identified By Using Copper Sulphate And Caustic Soda
- a) Carbohydrate (b) Protein  
c) Fat (d) Vitamin
39. Which Components Is Known As “Body Building Food”?
- a) Carbohydrate (b) Protein  
c) Fat (d) Vitamin
40. Given Below Are The Steps To The Test The Presence Of Proteins In A Food Item. I. Take A Small Quantity Of The Food Item In A Test Tube Add 10 Drops Of Water To It And Shake It. II. Make A Paste Or Powder Of Food To Be Tested. III. Add 10 Drops Of Caustic Soda Solution To The Test Tube And Shake Well. IV. Add 2 Drops Of Copper Sulphate Solution To It. Which Of The Following Is The Correct Sequence Of The Steps?
- a) I, II, IV, III (b) II, I, IV, III  
c) II, I, III, IV (d) IV, II, I, III

**Subject: Maths**

1. If a new number is formed by interchanging the tens and thousands place digits of 8727, then what is the relation between them?

- (a) New number is greater than the original number.
- (b) New number is smaller than the original number.
- (c) New number is equal to the original number.
- (d) Can't be determined

2. 50 chairs and 15 blackboards were purchased for a school. If each chair costs Rs. 115 and a blackboard costs Rs. 345, then find the total amount of the bill.

- (a) Rs. 10925
- (b) Rs. 74740
- (c) Rs. 51750
- (d) Rs. 11940

3. State 'T' for true and 'F' for false.

I. If a whole number is divided by another whole number which is greater than the first one, then the quotient is not equal to zero.

II. Sum of two whole numbers is always less than their product.

III. Whole numbers are not closed under multiplication.

	I	II	III
(A)	T	T	T
(B)	T	F	F
(C)	T	T	F
(D)	F	T	T

4. Observe the following patterns. Then find the sum of  $1 + 3 + 5 + 7 + 9 + \dots + 19$ .

$$\begin{aligned}
 1 &= 1 \times 1 = 1 \\
 1 + 3 &= 2 \times 2 = 4 \\
 1 + 3 + 5 &= 3 \times 3 = 9 \\
 1 + 3 + 5 + 7 &= 4 \times 4 = 16 \\
 1 + 3 + 5 + 7 + 9 &= 5 \times 5 = 25
 \end{aligned}$$

- .....
- .....
- (a) 121
  - (b) 81
  - (c) 100
  - (d) 64

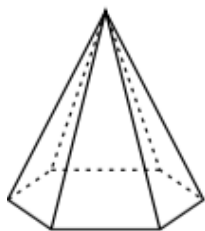
5. Read the following statements carefully and select the correct option

**Statement-1:** A sector is the region in the interior of a circle enclosed by an arc on one side and a pair of radii on the other two sides.

**Statement-2:** A segment of a circle is the region in the interior of the circle enclosed by an arc and a chord.

- (a) Both Statement -1 and Statement -2 are true.
- (b) Statement -1 is true but Statement -2 is false.
- (c) Statement -1 is false but Statement -2 is true.
- (d) Both Statement 1- and Statement -2 are false.

6. The given figure has



- (i) Faces: \_\_\_\_\_
- (ii) Edges: \_\_\_\_\_
- (iii) Corners: \_\_\_\_\_

- (a) 8, 12, 7
- (b) 6, 11, 6
- (c) 7, 12, 7
- (d) 5, 11, 7

7. Which of the following statement is correct?

- (a) A right angle is  $\frac{1}{2}$  of a revolution
- (b) A straight angle is  $\frac{1}{4}$  of a revolution
- (c) The measure of a reflex angle is greater than that of a straight angle
- (d) The angle formed in one revolution is a reflex angle.

8. State 'T' for true and 'F' for false.

- (i) Since,  $5 > 3$ . Therefore,  $-5 > -3$ .
- (ii) The difference between an integer and its additive inverse is always even.

(iii) The sum of three different integers can never be zero.

(iv) All whole number are integers.

	(i)	(ii)	(iii)	(iv)
(A)	T	F	T	F
(B)	F	F	T	T
(C)	F	T	F	T
(D)	T	T	F	F

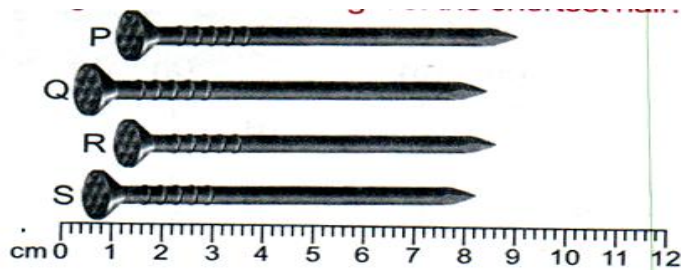
9. Which of the following statement is correct?

**Statement-1** : Mrs Soni bought  $7\frac{1}{2}$  litres of milk. Out of this,  $5\frac{3}{4}$  litres was consumed.  $1\frac{1}{3}$  litres of milk is left with her.

**Statement-2** : Amit reads  $\frac{3}{5}$  of a book. He finds that there are still 80 pages left to be read. Total number of pages in the book is 200.

- (a) Only statement-1
- (b) Only statement-2
- (c) Both statement-1 and statement-1
- (d) Neither statement -1 and nor statement -2

10. The given figure shows 4 nails of different length. What is the length of the shortest nail?



- (a) 7.8 cm
- (b) 8.2cm
- (c) 7.6 cm
- (d) 8.1 cm

11. Fill in the blanks.

(i) 53 tenths = 5 ones + P tenths.

(ii) 14.987 rounded off to first decimal place is Q.

(iii) The fraction  $14\frac{2}{10}$  is equal to R.

	P	Q	R
(A)	3	14	14.2
(B)	3	15	14.2
(C)	5	15	14.02
(D)	5	14	14.02

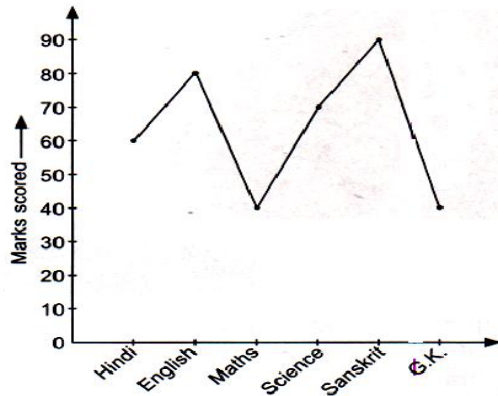
12. Study the following statements carefully and select the correct option.

**Statement-1**: Place value of a digit increases by 10 times as the digit moves from the right to the left place by place.

**Statement-2**: Any number of zeroes placed to the right of the decimal part of a number does not change the value of the number.

- (a) Both statement-1 and Statement -2 are true
- (b) Statement-1 is true but statement -2 is false
- (c) Statement-1 is false but statement-2 is true
- (d) Both statement-1 and Statement -2 are false

**Direction (13-14) :** Given line graph shows the marks scored by Raghav in each subject in exams. Study the graph carefully and answer the following questions.

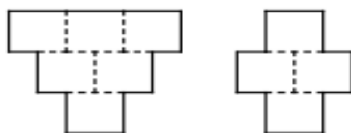


13. In which subject he got second highest marks?  
 (a) Sanskrit (b) Maths (c) English (d) G.K
14. Find the difference between the marks scored in Maths and Sanskrit.  
 (a) 50 (b) 60 (c) 30 (d) 90
15. Find the values of P, Q, R and S.

Length of rectangle (cm)	Breadth of rectangle (cm)	Area (cm <sup>2</sup> )	Perimeter (cm)
25	P	300	Q
18	R	S	66

- |     | P  | Q  | R   | S   |
|-----|----|----|-----|-----|
| (A) | 12 | 74 | 15  | 207 |
| (B) | 12 | 15 | 74  | 270 |
| (C) | 12 | 74 | 15  | 270 |
| (D) | 42 | 15 | 270 | 74  |

16. Figure P is made up of six identical squares. Two squares were removed from figure P to form figure Q. The perimeter of figure P is 240 cm. What is the perimeter of figure Q?



- |     | Figure P | Figure Q   |
|-----|----------|------------|
| (A) | 220 cm   | (B) 180 cm |
| (C) | 200 cm   | (D) 160 cm |

17. Fill in the blanks.
- (i) An expression with a variable, constant and the sign of equality is called an P.
- (ii) 8 more than 2 times the number  $x$  can be written in algebraic form as Q.
- (iii) An equation is a condition on a R.

- |     | P        | Q        | R        |
|-----|----------|----------|----------|
| (A) | variable | $8x + 2$ | equation |
| (B) | equation | $2x + 8$ | variable |
| (C) | equation | $2x - 8$ | variable |
| (D) | variable | $2x + 8$ | equation |

18. Which of the following is equivalent of 7:8?  
 (a) 142 : 128 (b) 112:124 (c)136:136 (d)119:136

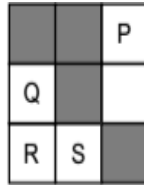
19. State 'T' for true and 'F' for false.

- (i) 12 hours : 30 hours = 8km : 20km                      (ii) The ratio of 1 hour to one day is 1:1  
 (iii) The two terms of a ratio can be in two different units.

- |     |     |      |       |
|-----|-----|------|-------|
|     | (i) | (ii) | (iii) |
| (A) | T   | T    | T     |
| (B) | F   | F    | F     |
| (C) | T   | F    | F     |
| (D) | F   | T    | F     |

20. Which square must be shaded so that the figure has a line of symmetry?

- (A) P  
 (B) Q  
 (C) R  
 (D) S



21. Fill in the blanks.

- (i) Perpendicular bisector of the diameter of a circle passes through the P of the circle.  
 (ii) If B is image of A in line l and D is image of C in line l, then AC = Q.  
 (iii) Angle bisector is a ray which divides the angle in R equal parts.

- |     |          |          |          |
|-----|----------|----------|----------|
|     | <b>P</b> | <b>Q</b> | <b>R</b> |
| (A) | Centre   | BD       | 2        |
| (B) | Centre   | AD       | 1        |
| (C) | Centre   | AB       | 1        |
| (D) | Centre   | BC       | 2        |

22. Read the statements carefully and select the correct option.

**Statement 1** : Bisector of a line segment means dividing the line segment into equal halves.

**Statement 2**: Set squares can be used to draw a perpendicular and parallel lines.

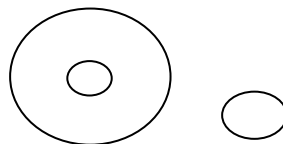
- (a) Both statement-1 and Statement -2 are true  
 (b) Statement-1 is true but statement -2 is false  
 (c) Statement-1 is false but statement-2 is true  
 (d) Both statement-1 and Statement -2 are false

23. Some letters are given which are numbered 1,2,3,4 and 5. Find the combination of numbers from the options so that the letters are arranged accordingly to form a meaningful word.

R	X	E	T	P	E
1	2	3	4	5	6

- (a) 2,3,5,4,1,6                      (b) 2,3,6,5,1,4                      (c) 3,2,5,6,1,4                      (d) 3,1,5,4,2,6

24. Which of the following elements satisfies the Venn diagram given below



- (a) Judge, Thief, Criminal                      (b) Father, Mother, Parents                      (c) Teacher, college, students  
 (d) Polygons, Rectangles, square

25. How many lines of symmetry are there in a triangle which has all the angles equal?

- (a) 1                                      (b) 2                                      (c) 3                                      (d) 4

26. One Km is how many centimetres?

- (a) 100000                              (b) 10000                              (c) 1000                              (d) 100

27. Population of a town in the year 2000 was 200000 .In the year 2005, it was found to be increased by 10359. What was the population of the town in 2005?

- (a) 220359                              (b) 210000                              (c) 210359                              (d) 20359

28. A machine, on an average, manufactures 2825 screws a day. How many screws did it manufacture in the month of January?

- (a) 84750                      (b) 87575                      (c) 81925                      (d) 79100
29. Which of the following is the smallest prime number?  
 (a) 1                              (b) 2                              (c) 3                              (d) 5
30. How many prime numbers are there between 1 & 20?  
 (a) 7                              (b) 8                              (c) 9                              (d) 10
31. How many lines can pass through two given points?  
 (a) 1                              (b) 2                              (c) 3                              (d) Infinite
32. What is the length of the diameter of a circle of radius 8 cm?  
 (a) 4cm                          (b) 8cm                          (c) 16cm                          (d) 2cm
33. Which of the following lies to the left of -24?  
 (a) -23                          (b) 25                              (c) - 25                          (d) 23
34. Which of the following numbers do you get if you subtract --40 from --50  
 (a) 10                              (b) - 10                              (c) - 90                              (d) 90
35. Which of the following numbers is '2' less than 3 times of '5'?  
 (a) 18                              (b) - 18                              (c) 3                              (d) 13
36. What fraction of a day is 8 hours?  
 (a)  $\frac{1}{2}$                               (b)  $\frac{1}{3}$                               (c)  $\frac{1}{4}$                               (d)  $\frac{2}{3}$
37. What fraction of the numbers from 2 to 12 are prime numbers?  
 (a)  $\frac{1}{11}$                               (b)  $\frac{10}{11}$                               (c)  $\frac{5}{11}$                               (d)  $\frac{6}{11}$
38. Which of the following is the corresponding fraction for 3.8?  
 (a)  $\frac{19}{5}$                               (b)  $\frac{19}{10}$                               (c)  $\frac{38}{5}$                               (d)  $\frac{380}{5}$
39. Which of the following represents 15cm?  
 (a) 1.5m                          (b) 0.015m                          (c) 0.15m                          (d) 150m
40. What distance Aslam will travel if he takes three rounds of a square park of side 50m?  
 (a) 100m                          (b) 200m                          (c) 2500 m                          (d) 10000m

**Subject: English**

**QI. Choose the most suitable option:**

1. A flock of birds or .....  
 (a) cows                      (b) elephant                      (c) sheep                      (d) horse
2. A ..... of players was cheering on the playground. (Collective Noun)  
 (a) team                      (b) pair                      (c) bundle                      (d) pack
3. Please check ..... is knocking at the door?  
 (a) whom                      (b) who                      (c) which                      (d) whose
4. Can you point out the book ..... Belongs to you?  
 (a) that                      (b) whom                      (c) what                      (d) whose
5. We are planning to go for a picnic today. Would you like to join .....?  
 (a) her                      (b) them                      (c) us                      (d) me
6. Rajan and Rohan's father ..... a businessman.  
 (a) are                      (b) have                      (c) is                      (d) has
7. Each of the students..... been called in to the Principal's room.  
 (a) has                      (b) have                      (c) will                      (d) are
8. The commissioner ordered a round ..... of protesters.  
 (a) up                      (b) out                      (c) away                      (d) at
9. Sumit often looks ..... his hostel memories.  
 (a) off at                      (b) back on                      (c) down in                      (d) for off

**QII. Choose the correct word to complete the sentence**

10. My brother usually drives to work with a friend. He ..... drives alone.  
 (a) seldom                      (b) always                      (c) regularly                      (d) often

11. Do you ..... go to the cinema on Fridays?  
 (a) seldom (b) hardly (c) always (d) infrequently
12. My younger brother ..... thinks of becoming a singer.  
 (a) very (b) well (c) late (d) often.
13. There isn't ..... milk at home. Why don't you buy some?  
 (a) some (b) little (c) any (d) many
14. Never take or give ..... help to anyone.  
 (a) finance (b) financial (c) financed (d) money
15. .... dress does not fit me now.  
 (a) This (b) such (c) these (d) those

**QIII. Fill in the blanks with most appropriate articles:**

16. .... engineering is a useful career option.  
 (a) A (b) An (c) The (d) No article
17. The culprits were all granted ..... immunity from punishment.  
 (a) a (b) an (c) the (d) no article

**QIV. Fill in the blanks with appropriate Prepositions:**

18. It has been raining heavily ..... morning.  
 (a) since (b) for (c) from (d) in
19. During rainy season, peacocks dance ..... joy.  
 (a) of (b) with (c) from (d) to
20. I am not familiar ..... the botanical names of beautiful flowers.  
 (a) to (b) with (c) by (d) of
21. Let's proceed ..... the meeting.  
 (a) on (b) at (c) with (d) of
22. Don't try to cover ..... your mistake now.  
 (a) on (b) up (c) at (d) over

**QV. Complete the sentence using an appropriate Verb Form:**

23. I ..... my e-mail to my friend yet.  
 (a) didn't finish (b) haven't finish (c) didn't finished (d) haven't finished
24. Steven Spielberg is a film director. He ..... a lot of famous films.  
 (a) is making (b) made (c) has been making (d) has made
25. Rashmi ..... in the park when she ..... a wallet.  
 (a) was walking, was finding (b) was walking, found  
 (c) walked, found (d) walked, was finding
26. There were no shops open in the village. They all ..... down.  
 (a) did close (b) were closing (c) have closed (d) had closed
27. My parents ..... a surprise party for me, but my little sister told me!  
 (a) had been planned (b) had being planning  
 (c) has been planning (d) had been planning
28. We ..... to fill the form yesterday.  
 (a) forget (b) forgot (c) forgotten (d) have forgotten
29. I ..... working for five hours.  
 (a) have been (b) am (c) have (d) was
30. I've never seen these flowers before. What .....?  
 (a) is it called (b) are they called (c) were called (d) are it called