

Read the following passage and answer the questions that follow -

The culture of nuclear families is in fashion. Parents are often heard complaining about the difficulties in bringing up children these days. Too much of freedom in demand, too much independence; over night parties; excessive extravagance, splurging pocket money; no time for studies and family all this is a common cry of such families. Aren't parents, themselves, responsible for this pitiful state? The basic need of a growing youth is the family, love, attention and bonding along with moral values. One should not forget that 'charity begins at home'.

Independence and individuality both need to be respected, in order to maintain the sanctity of family. Children, today are to be handled with tact in order to bridge the ever widening generation gap. Only the reasonable demands need to be fulfilled, as there are too many expenses to be met and too many social obligations to be taken care of by the parents.

Our forefathers lived happily in joint families. Children loved to live with their cousins, learnt to adjust within means. There was perfect harmony between the generations. There never existed the concept of old-age homes. There was deep respect for the family elders and love, care and concern for the youngsters. Even the minor family differences were solved amicably.

### Questions

1. Mention any two major common concerns of a nuclear family.

Ans - Too much independence and no time for studies and family.

2. Who, according to the passage, are responsible for them?

Ans. Parents themselves.

3. Explain the expression 'charity begins at home.'

Ans - The parent should not forget that it is in giving that one receives.

4. Describe the atmosphere in joint families.

Ans - In joint families, children get a friendly atmosphere and they also learn to adjust within means.

5. Which word in the passage means 'holiness of life'?

Ans - Sanctity.

Here is the mirror image of Alphabet -

A B C D E F G H I J K L M N O P Q R S T U V  
W X Y Z

Q:- Which of the letters look same in mirror image as they look in actual.

- (a) A, H, I, M, O, T, U, V, W, X, Y  
 (b) H, B, I, J, K, L, N, S, Z  
 (c) None of them  
 (d) O, Q, D, G only.

Ans: (a)

\* It takes John 25 minutes to walk to the car park and 55 minutes to drive to office. At what time should he get out of the house in order to get to office at

9:00 a.m

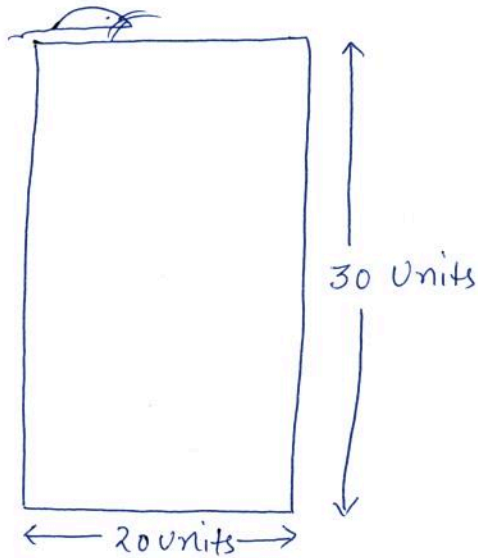
- opt (A) John should start 1 hr 20 minute earlier  
 opt (B) John should start before 7:00 a.m.  
 opt (C) John should start at 7:40 a.m

Which option are correct -

- (a) opt A only                      (b) opt B only  
 (c) opt C only                      (d) opt A and C

RDSO CLUSTER

Ques. A mouse takes 3 rounds of the field shown in the picture.



The number expression given below shows the distance covered by the mouse

$$3 \times P = Q$$

- a) Find the value of P and Q where P is the Perimeter of the field, Q is the total distance travelled by the mouse?
- i)  $P=50, Q=150$     ii)  $P=100, Q=300$     iii)  $P=200, Q=600$     iv)  $P=150, Q=450$
- b) If Q is 1500 units. What is the length of the field if breadth is 50 units?
- i) 100 units    ii) 150 units    iii) 200 units    iv) 250 units

Ans -

Step-1 The mouse takes 3 rounds of the field which means it covers 3 times the perimeter of the field. So, we will have to find the perimeter first.

a) Step 2

The Perimeter of field is equal to sum of its sides. or Perimeter of rectangle  
$$= 2 \times (l + b)$$
$$= 2 \times (20 + 30)$$
$$= 2 \times (50)$$
$$= 100 \text{ units}$$

Hence  $P = 100 \text{ units}$

Step 3

we are given that

$$Q = 3 \times P$$
$$= 3 \times 100 \text{ units}$$
$$= 300 \text{ units}$$

b)

Step-4

$$Q = 1500 \text{ units}$$

Acc to relation  $P = \frac{Q}{3} = \frac{1500}{3} = 500 \text{ units}$

$$\begin{aligned} \text{Perimeter of rectangle} &= 2 \times (\text{length} + \text{breadth}) \\ 500 \text{ units} &= 2 \times (\text{length} + 50) \end{aligned}$$

$$\begin{aligned} \text{length} &= 250 - 50 \\ &= 200 \text{ units} \end{aligned}$$

## EVS: level - class V

Many years ago a Scientist found out that as the ants move, they leave a smell on the ground. The other ants follow the smell to find the way.

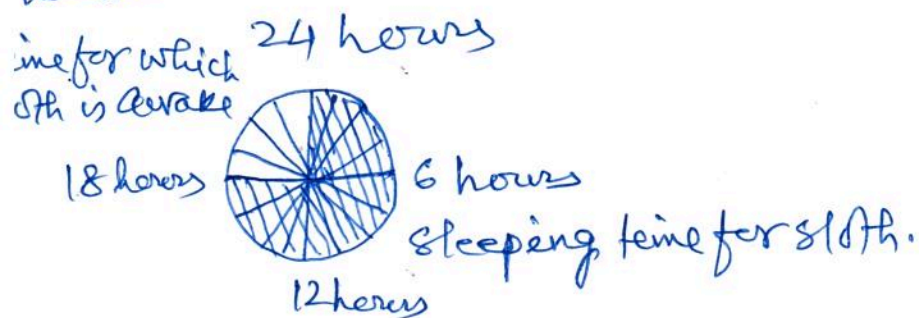
Mosquitoes can find you by the smell of your body.

They also find you by the smell of the sole of your feet and the heat of your body. Dogs can make out if another dog has come into their area by the smell of its urine or potty. Some birds like kites, eagles, vultures can see four times as far as we can.

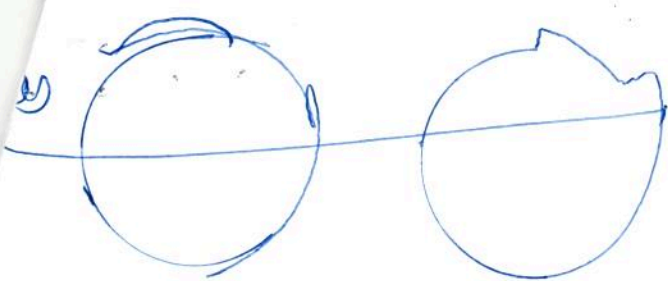
Pick out the correct pair of animals according to their Super Senses.

- (a) Dog and eagle
- (b) Kite and ant
- (c) mosquito and dog
- (d) All of the above.

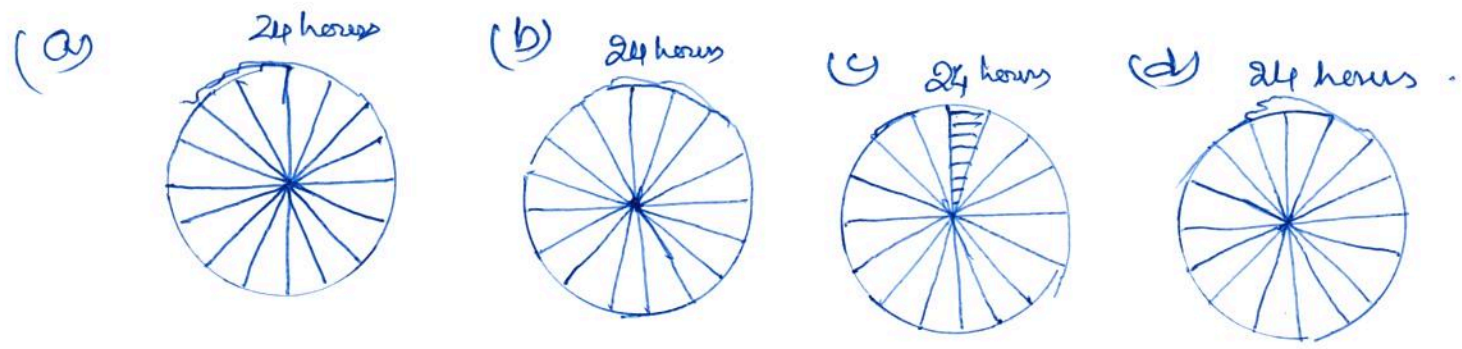
2. ~~Observe~~ It looks like a bear but is not. It is a sloth. It almost spends 18 hours a day sleeping, ~~while~~



It sleeps 18 hours in a day whereas Giraffe sleeps only 2 hours in a day. Now find out the sleeping time of Giraffe from the options given below.



Put a tick (✓) mark on the correct answer.



Q3. Observe the chart and answer the questions.

**क्लीनिकल विकृति रिपोर्ट**  
**CLINICAL PATHOLOGY REPORT**  
केंद्रीय सरकार स्वास्थ्य योजना  
Central Govt. Health Scheme

20/06/2007

नाम/Name..... **Aarti** आयु/Age..... **12** स्त्री या पुरुष/Sex..... **Female**

रोग की पहचान/Diagnosis..... **Anaemia (अनीमिया)**

	Value	Normal Range (नॉर्मल रेंज)
Haemoglobin (हीमोग्लोबिन)	8 gm/dl	12 to 16 gm/dl

Pathologist

**क्लीनिकल विकृति रिपोर्ट**  
**CLINICAL PATHOLOGY REPORT**  
केंद्रीय सरकार स्वास्थ्य योजना  
Central Govt. Health Scheme

15/09/2007

नाम/Name..... **Aarti** आयु/Age..... **12** स्त्री या पुरुष/Sex..... **Female**

रोग की पहचान/Diagnosis..... **Anaemia (अनीमिया)**

	Value	Normal Rang (नॉर्मल रेंज)
Haemoglobin (हीमोग्लोबिन)	10.5 gm/dl	12 to 16 gm/d

Pathologist

i) After how many months the haemoglobin level of Aarti went up?

a) One month    b) Two months    c) Three months    d) Six months

ii) Pick out the odd one.

~~Haemoglobin~~ Iron, Malaria, Anaemia.

No Fizz in CokeReading Literacy : - Passage

Indians are fast acquiring healthy habits. In keeping with trends worldwide, summer sales, ices, juice-based drinks, iced tea, flavoured milk, buttermilk and lassi over fizzy cola drinks.

Juices and other non-aerated drinks are growing at a blistering 35-40% compared to fizzy drinks which are notching up a 10% growth. The soft drink industry sees the perceptible shift towards healthy drinks in Consumer tastes.

The changing public perception towards colas and aerated drinks are in a line with international Cola sells more non-aerated drinks thanks to increased awareness in schools about alleged harmful effects of aerated drinks caused by the pesticides. Pesticide controversy is making people turn towards healthier alternatives, be they juices or flavoured milk.

Interestingly within carbonated beverages segment, its lime-based drinks like Sprite, Limca and 7-up, besides diet variants of Coke and Pepsi that are growing faster than the two big colas.

It's the same in the US, Europe and Japan. In the US, for instance, fizzy drinks have been on the decline. Since their sales peaked in 1998, while



categories like water, energy drinks and juices are growing. Pepsi's volume declined by 4% last year, while Coca-Cola has launched only diet drinks in the last two years.

### Questions! \_\_\_\_\_

Q-1 - "People turn towards healthier alternatives". Here 'healthier alternatives' refer to \_\_\_\_\_

- (a) Juices
- (b) Drinks
- (c) Diet
- (d) Fizzy drinks

Ans - (a)

Q-2 - 'It's the same in US, Europe and Japan'. What does the author talk about here

- (a) People are acquiring healthy habits
- (b) Increasing demand for healthier drinks.
- (c) Capable of being seen or observed.
- (d) It refers to preferring healthier drinks over fizzy drinks.

Ans! - b

Q-3 - What is the author's perception towards healthy habits/Soft drinks?

Ans! - The author is observant and presents ideas on the topic logically. He is not going to accept anything as it is.

Comprehension

Opera refers to a dramatic art form, originating in Europe, in which the emotional content is conveyed to the audience as much through music, both vocal and instrumental, as it is through the lyrics. By contrast, in musical theatre an actor's dramatic performance is primary and the music plays a lesser role. The drama in opera is presented using the primary elements of theatre such as scenery, costumes and acting. However, the words of opera or libretto are sung rather than spoken. The singers are accompanied by a musical ensemble ranging from a small instrumental ensemble to a full symphonic orchestra.

Question

① The above said passage points out that -  
Opera = - - - - -

- (a) is a drama sung with the accompaniment of an orchestra.
- (b) has developed under the influence of musical theatre.
- (c) is the most complex of all the performing arts.
- (d) is not high budget production.

Answer

Correct	B
Incorrect	

Type: Descriptive based on Facts.

2 After going through this passage we can understand that - -

- (a) people are captivated more by opera than musical theatre.
- (b) orchestras in operas can vary considerably in size.
- (c) musical theatre relies above all on music.
- (d) drama in opera is more important than the music.

Answer

Respon.	
correct	D
incorrect	

Type: Descriptive

3 What do you mean by the word ensemble

- (a) assembled
- (b) dissembled
- (c) dispersed
- (d) None of the above

Answer

Correct → (a) - (assembled)

Type → Internal Tackle

Question format → MCA

3-04-2019

CONFRONTATION Reading Passage For class-IX CLASS IX

People do not always do the things we want them to do. No matter how reasonable or minimal our expectations will be, there are times when we are let down. Naturally, we feel upset and hurt when our expectations are not met. We dread confrontations because they are unpleasant and can damage relationships. Yet not confronting person does not solve the problem because unresolved issues also affect relationships in an adverse way. Actually the real problem lies in our style of confrontation, not in the issue. Typically, we use character based confrontation. They help in venting our anger and hurt, but that is the only thing they do. They lead to angry show-downs and bring all discussions to a grinding halt.

It is important to remember that self image is the most important possession of all human beings. It is the way we view and regard ourselves in our own eyes and in the eyes of others. As self conscious beings, we are actually aware of our image and constantly work towards protecting it from any damage. We also seek approval from the others about our own self-image. We feel distraught if we sense that there is even a slight threat to our self image, because our character is the essence of our life.

To ensure a rational dialogue over dashed expectations, we need to deploy issue based

confrontations. They involve an explanation of which actions have bothered us, in what manner and what changes we would like from the other person.

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Q1. How can a confrontation be resolved?

Ans1: (a) keep calm (b) try to see the other perspective

(c) understand the root cause (d) Be open to compromise

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Q2. What situation leads you to confrontation? Choose the right answer

a) when you are not well.

b) when your image or integrity is hurt.

c) when you have no money.

d) when your friend does not share his <sup>secret</sup> with you.

Ans2 - (b).

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Q3. Find the words in the passage which are antonyms of -

(a) cease

(b) withdraw

(c) illogical

Ans3: (a) halt

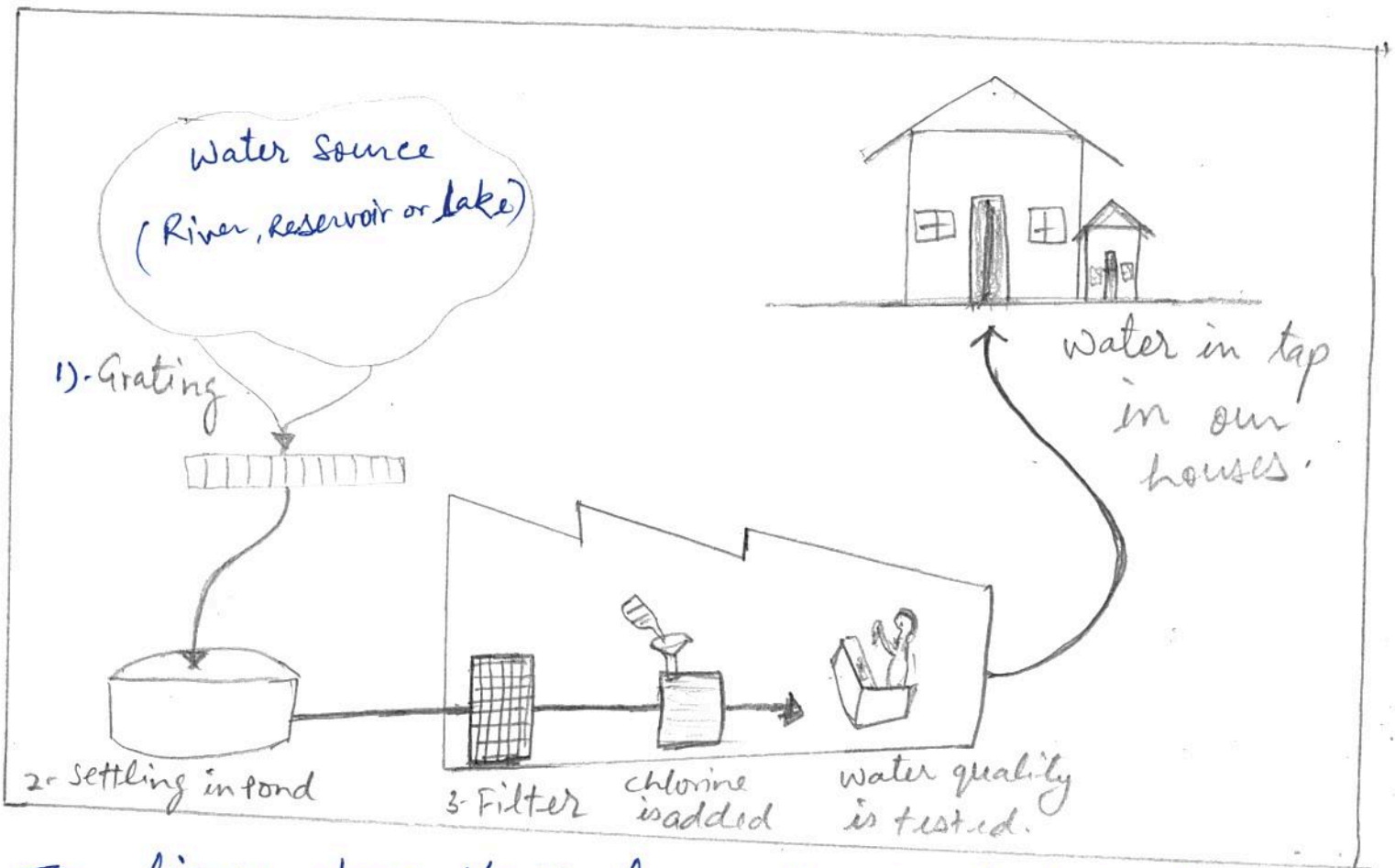
(b) deploy

(c) rational

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POTABLE WATER FOR ALL

observe  
Study the figure shown below and answer the questions according to your observation.



The figure above shows how water supplied to houses in the cities is made fit for drinking.

Question: It is important to have a source of good drinking water. Water found underground is referred to as ground water.

Give <sup>one</sup> reason why there is less bacteria and particle

Pollution in ground water than in ~~sources~~

(2)

Water from surface sources such as lakes and rivers.

Answer :

Full credit

1- Ground water being filtered through the ground.

(a) - when it goes through sand and dust the water is cleaned.

(b) - It has been naturally filtered.

(c) - Water is strained through the rocks and sand when water goes down through the ground.

2- Ground water is encapsulated and therefore protected from possible pollution.

(a) - Ground water isn't open. it is located under ground.

(b) - Lake and rivers can be polluted by the air and and people and animals can swim and bathe in it.

3- other correct responses

Ground water is water without much food for microbes so they will not survive there.

No credit § 1- Ground water being very clean.

- (i) - Because it has been cleaned
- (ii) - Because there is rubbish in lakes and rivers.
- (iii) - Because there is less bacteria.

(2) - Responses obviously referring to the cleaning processes provided in the figure above.

- a) - Because ground water passes through a filter and Chlorine is added.
- b) - It passes through a filter that ~~cleans~~ cleans it absolutely.

(3) - Other responses -

- a - Because it is always moving
- b) - Because it is not stirred and therefore don't bring mud from the bottom.

Alpina Kumar  
Alpina  
 23/04/19



RDSO Cluster, Lucknow Region.

PISA Sample Question Paper.

Sub. Science.

Rohan is a class VIII student in a small town. According to the 8 period time table of his school, he has to carry many books and copies in his school bag daily. Besides this he also has to carry his tiffin box and water bottle in his bag. As a result his bag is very heavy and very difficult to carry. Initially he used to carry his bag with single shoulder strip. But after some time he develops severe pain in his shoulder. When his father consulted his doctor, he advised him to either to reduce the weight or change the bag. So, with his father he went to buy a bag to a bag shop. The shopkeeper showed him different types of bags, one with wide strips back pack and also a trolley bag. Rohan wanted to buy a ~~back~~ trolley bag but his father insisted that he should buy a back pack with wide strips to reduce his shoulder pain. He also tell him that though trolley bag is a better option for smooth floors but it is not very effective on the floors of his school and the roads of his town.

Level I

Q1. What is the main cause of Rohan's shoulder pain -

- (a) 8 Periods in his school time table.
- (b) ~~Bad~~ <sup>Poor</sup> design of his school bag.
- (c) Weight of his school bag.
- (d) Rohan's health.

## Level II

Q2. How a bag with wide strips is helpful in removing the shoulder pain?

## Level III

Q3. What do you think which type of roads and floor of Rohan's school may be?

Q4. Why a trolley bag is a better option for smooth floor?

Q5. Why trolley bag is not very effective for rough roads of Rohan's town?

## Answer

Ans 1. (b) Poor design of his school bag.

Ans 2. In wide strips since area is more, therefore pressures on the shoulder will be less. ( $\because P = \frac{F}{A}$ )

Ans 3. Floors of Rohan's school may be rough, made up of bricks.

Ans 4. Trolley bags have wheels which roll on the floor. Therefore they remove load from the shoulders and easy to ~~slide~~ roll on floors.

Ans 5. Though trolley bags have wheels, but due to higher friction of rough surface, we have to apply more force to roll the bag on rough surface like roads of Rohan's town.

Smriti Srivastava  
23.4.19

PGT (Physics)  
K.V. BHEL, Jaadishba

Anant and Mayank are brothers. Anant studies in class VIII and Mayank in class IX. They visited south India trip during summer vacations. They enjoyed swimming in sea water.

After trip, they went their village and went for swimming in river. But they find very difficult to swim in river water. They were surprised as they could easily swim in sea water.

Mayank was curious to know the reason and discussed this with his cousin Kshiti, studies in class X.

Here is a part of interaction in the form of ~~max~~ multiple choice questions.

Tick the correct answer.

Level 1-

1. Why is it difficult to swim in river water than sea water?
  - (a) River water is flowing than sea water is still.
  - (b) Sea water is warmer than river water
  - (c) Sea water is deeper than river water.
  - (d) Sea water is salty but river water is not.

2. Swimming in sea water is easier than pure water. This is based on principle.

- (a) Newton's 3<sup>rd</sup> law of motion.
- (b) Archimedes law of floatation
- (c) Newton's law of gravitation
- (d) Law of Inertia

State the law also.

### 3. Level II

3. What conclusion you draw from statement.

"Sea water is salty" in physics.

- (a) Density of salty water is more than river water.
- (b) Sea water is not potable.
- (c) River water can be used for bathing and washing.
- (d) Aquatic animals are not found in sea water.

4. What do you mean by "density" in mathematical form.

- (a) Mass  $\times$  volume
- (b) Mass/volume
- (c) Mass/Area
- (d) Area/Mass

5. Select correct SI unit of density.

- (a)  $\text{kg/m}^3$
- (b)  $\text{kg/cm}^3$
- (c)  $\text{g/cm}^3$
- (d)  $\text{g/m}^3$

## Level III

6. Ship floats but needle sinks in water though both are made from iron.
- (a) Density of ship is more than needle.
  - (b) Ship is lighter than needle.
  - (c) Volume <sup>and design</sup> of ship is ~~more~~ than ~~needle~~.
  - (d) Needle has sharp ends.

Explain the answer.

7. Law of buoyancy is based on concept
- (a) Relative weight of object and fluid.
  - (b) Relative density of object and fluid.
  - (c) Relative mass of object and fluid.
  - (d) Shape of object.

Give the required relation also.

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## Answers

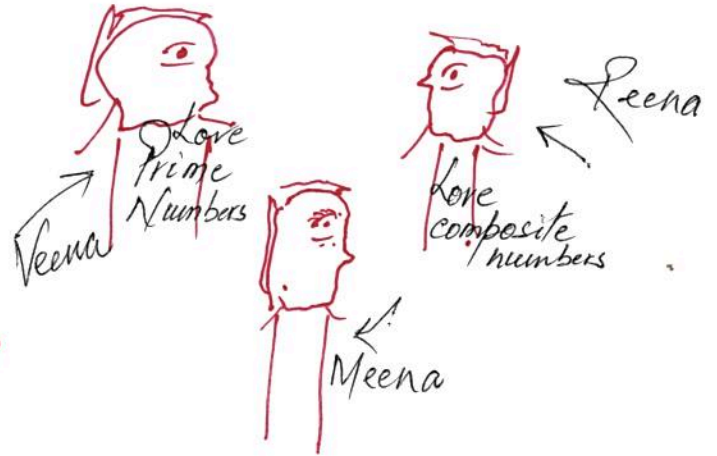
- 1. (d)
- 2. (b), statement
- 3. (a)
- 4. (b)
- 5. (a)
- 6. (c), Explanation: ~~mass~~ Special shape of ship.
- 7. (a)  
 $W_{ob} > W_{fluid}$  Sinks  
 $W_{ob} < W_{fluid}$  floats  
 $W_{ob} = W_{fluid}$  floats in different proportion

Class: "VII" Subject: "Mathematics"

A group of students sitting under a tree. They are discussing about the number systems. Veena told Reena that I love prime numbers. Reena just smiled and told Meena that I like composite numbers because it has more than two factors. Now, they have started the discussion about factors too.

Level: 1

(i) Question: Meena is smart. She asked to Veena which numbers has only two factors?



- (a) Even Number
- (b) Odd Number
- (c) Prime Number
- (d) Composite Number

Ans → (c)

(ii) Question: Reena is also an intelligent child. She just asked Meena, Tell me the product of the smallest prime and composite number.

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

Ans → (d)

Level: 2

Question:

Meena asked Reena, think all the composite and prime numbers between 11 to 20. Veena was listening it eagerly and then she just asked Reena, Tell me the difference of the sum of these numbers thought between 11 to 20 and justify your answer.

- (a) 75
- (b) 49
- (c) 26
- (d) 62

Ans → (c)

Q: David was a poor farmer of village Karappa but due to drought in his village he had left his village. Therefore he was compelled to sell his two cows for ₹ 6000 each. On first cow he got 20% profit but on second cow he got 20% loss.

A) Find the overall profit or loss he received.

- Ans -
- a) Loss of ₹ 2000
  - b) profit of ₹ 2000
  - c) profit of ₹ 500
  - d) loss of ₹ 500

Answer - (d) loss of ₹ 500

B) What is the percentage of loss or profit?

- a) 4% loss
- b) 4% profit
- c) 5% loss
- d) 5% profit.

Ques- In a renowned school of a city, having students with excellence, a test was conducted. In this test, Ankur, Syed, David, Manddeep scored the following marks (out of 100 in each subject) as follows.

Names	English	Hindi	Maths	Science	S. Science
Ankur	83	92	100	86	93
Syed	70	97	70	94	90
David	96	80	98	95	92
Manddeep	60	85	72	98	96

After getting their result, they seek admission for class XI in different streams. As per school admission rules-

1. A student get commerce stream if his score in English & maths together is above 175
2. A student get a science stream if his score in Maths & science ~~stream~~ together is  $\geq 190$ .
3. A student get Humanities if his score in S. Science and hindi together is  $\geq 180$ .

Ques-

1. for which stream is David eligible for?

Ans for all

2. Name the students eligible for commerce group?

Ans Ankur and David

3. What is the probability that Manddeep will get admission class XI in his school?

Ans 0 (Zero)