1.Raja buys some apples at the rate of four for a rupee and same numbers of oranges
at three for a rupee. To make a profit of 25%, Raja should sell 6 apples for.
A. 5.75
B. 6.75
C. 3.75
D. 4.75
Answer – D. 4.75
Explanation:
let Raja buys 'x' apples at rate four for a rupee and 'x' apples at three for a rupee.
So, cost price = $x/4 + x/3$
Question is asking about 6 apples
Then, $CP = 6/4 + 6/3 = 3.5$
Now SP = (125/100)*3.5 = 4.75
Therefore, Raja should sell 6 apples for 4.75
2. Prasanth bought an article at a 25 percent discount on the labeled price. He again
sells the article at 20 percent on labeled price. Find the percent profit earned by
Prasanth in the whole transaction
A. 50%
B. 60%
C. 30%
D. 40%
Answer – B. 60%
Explanation:
Let the labeled price is 100. Prasanth bought it for 75 after getting a 25% discount.
Now he sells the article at $(120/100)*100 = 120$ . So % profit he earns = $(45/75)*100 = 60$

3. A train running at 45 km/hr takes 36 sec to pass a platform. Next, the train takes 12
sec to pass a man walking at the speed of 15 km/hr in the same direction. Find the
length of the platform.
A. 250 m
B. 300 m
C. 350 m
D. 400m
Answer – C. 350m
Explanation:
Let us assume 'T' and 'P' are the length of train and platform respectively
T = 12*30*5/18 = 100 meter
P + 100 = 45*5/18*36
P= 350
4. The sum of the present ages of a Suresh and his son is 60 years. Five years ago,
Suresh's age was four times the age of his son. What will be the age of Suresh's son?
A. 17
B. 18
C. 19
D. 15
Answer – D. 15

#### Explanation:

Let, Present age of son be x

And then, Suresh age is (60 -x) years respectively.

$$(60 - x) - 5 = 4(x - 5)$$

$$55 - x = 4x - 20$$

$$5x = 75$$

$$x = 15$$

5. A can finish a work in 27 days, B in 9 days and C in 12 days. B & C start the work

but are forced to leave after 4 days. The remaining work was done by A in:

- A. 6 days
- B. 9 days
- C. 10 days
- D. 12 days

Answer - A. 6 days

Explanation:

(B+C)it's one day's work = 1/9+1/12 = 7/36

B & C in 3 days = 
$$4*7/36 = 7/9$$

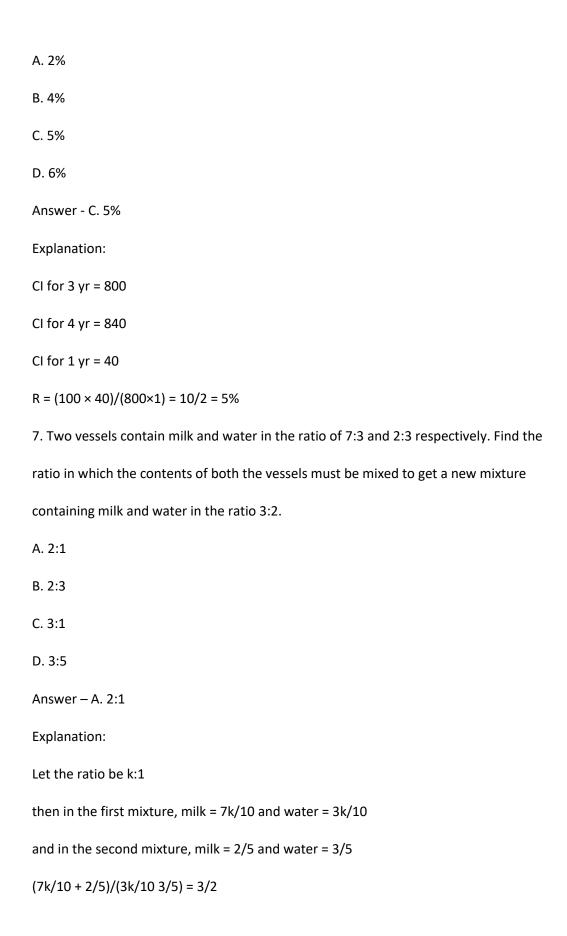
Remaining work = 1-(7/9) = 2/9

1/27 work is done by A in 1 day.

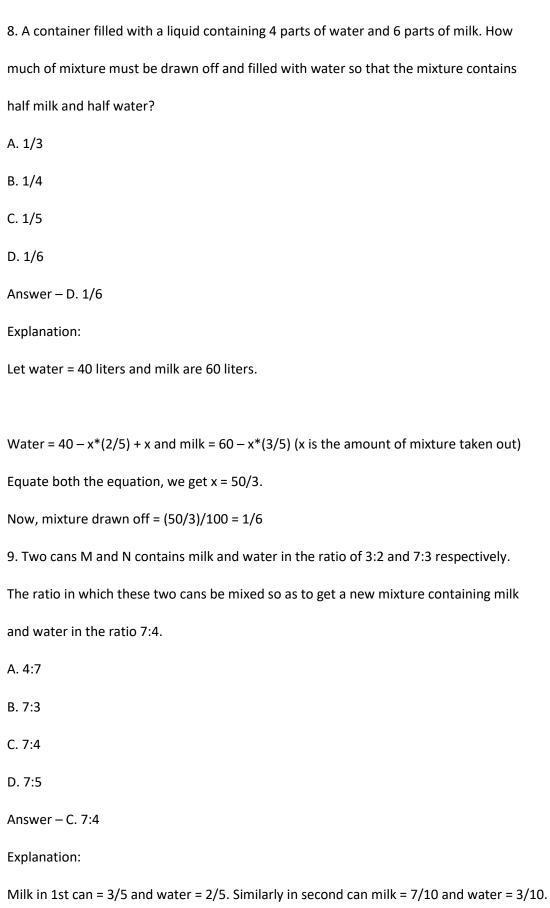
2/9 work is done by A in 27\*2/9 = 6 days

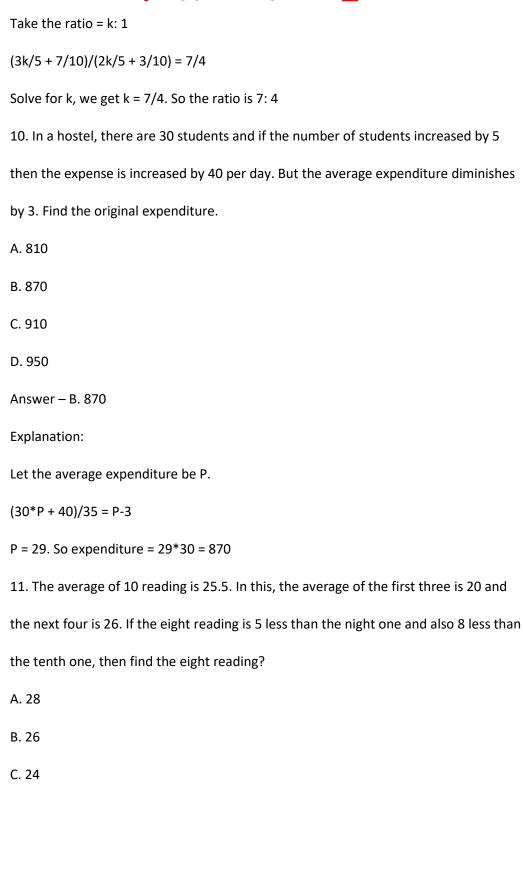
6. A sum of money invested at CI to Rs.800 in 3 years and to Rs.840 in 4 years. Find

the rate of interest in PA?



K = 2, so the ratio will be 2:1

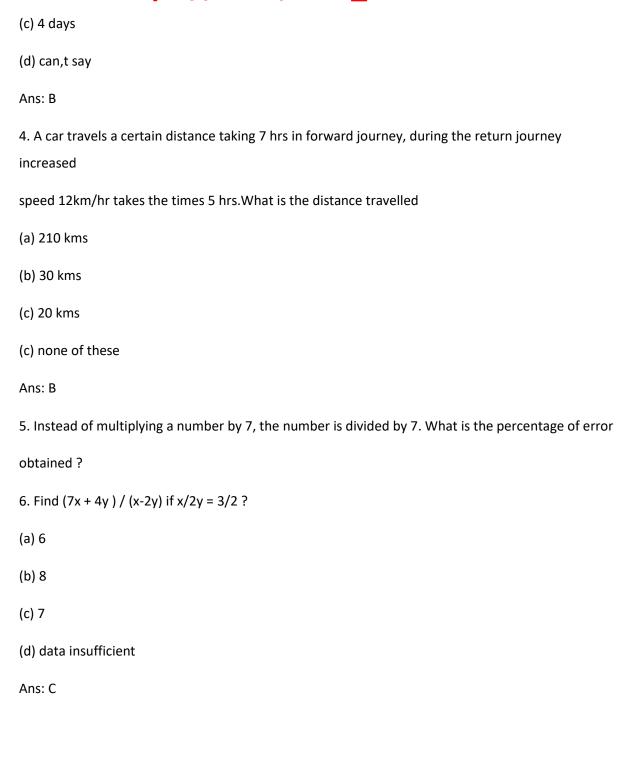




D. 22

Answer - B. 26

Explanation:
the sum of all ten reading = 255
the sum of the first three = 60 and the sum of next 4 = 104.
Sum of 8th, 9th and 10th reading = 91 = 3*x + 13
x = 26.
1. If a boat is moving in upstream with velocity of 14 km/hr and goes downstream with a velocity of 40
km/hr, then what is the speed of the stream ?
(a) 13 km/hr
(b) 26 km/hr
(c) 34 km/hr
(d) none of these
Ans: A
2. Find the value of ( $0.75 * 0.75 * 0.75 - 0.001$ ) / ( $0.75 * 0.75 - 0.075 + 0.01$ )
(a) 0.845
(b) 1.908
(c) 2.312
(d) 0.001
Ans: A
3. A can have a piece of work done in 8 days, B can work three times faster than the A, C can work five
times faster than A. How many days will they take to do the work together?
(a) 3 days
(b) 8/9 days



7. A man buys 12 lts of liquid which contains 20% of the liquid and the rest is water. He then mixes it

with 10 lts of another mixture with 30% of liquid. What is the % of water in the new mixture?

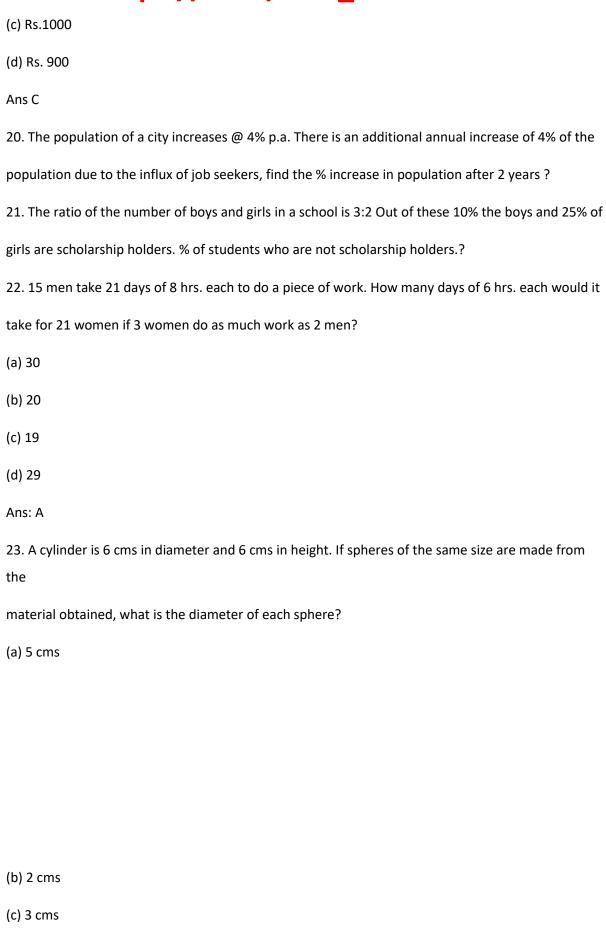
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8. If a man buys 1 It of milk for Rs.12 and mixes it with 20% water and sells it for Rs.15, then what is
the percentage of gain?
9. Pipe A can fill a tank in 30 mins and Pipe B can fill it in 28 mins. If 3/4th of the tank is filled by Pipe
B alone and both are opened, how much time is required by both the pipes to fill the tank completely ?
10. If on an item a company gives 25% discount, they earn 25% profit. If they now give 10% discount
then what is the profit percentage.
(a) 40%
(b) 55%
(c) 35%
(d) 30%
Ans: D
11. A certain number of men can finish a piece of work in 10 days. If however there were 10 men less it
will take 10 days more for the work to be finished. How many men were there originally?
(a) 110 men
(b) 130 men
(c) 100 men
(d) none of these
Ans: A
12. In simple interest what sum amounts of Rs.1120/- in 4 years and Rs.1200/- in 5 years ?
(a) Rs. 500
(b) Rs. 600

(c) Rs. 800

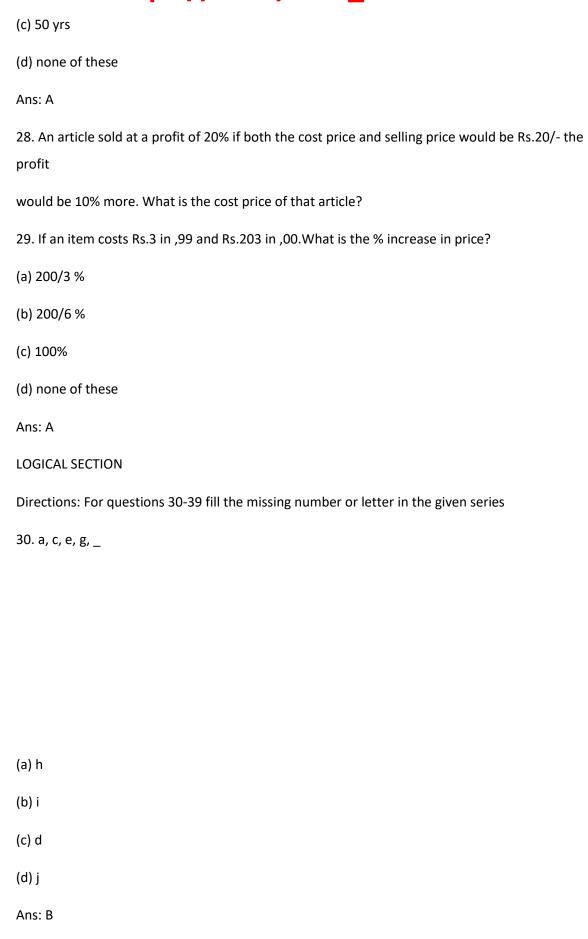
(d) Rs. 900
Ans: C
13. If a sum of money compound annually amounts of thrice itself in 3 years. In how many years
will it become 9 times itself.
(a) 6
(b) 8
(c) 10
(d) 12
Ans A
14. Two trains move in the same direction at 50 kmph and 32 kmph respectively. A man in the slower
train
observes the 15 seconds elapse before the faster train completely passes by him.
What is the length of faster train ?
(a) 100m
(b) 75m
(c) 120m
(d) 50m
Ans B

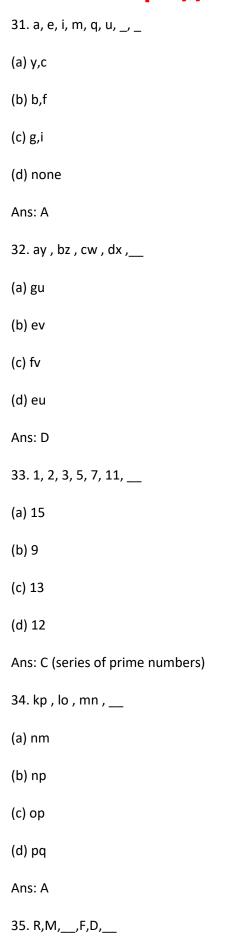
15. How many mashes are there in 1 squrare meter of wire gauge if each mesh

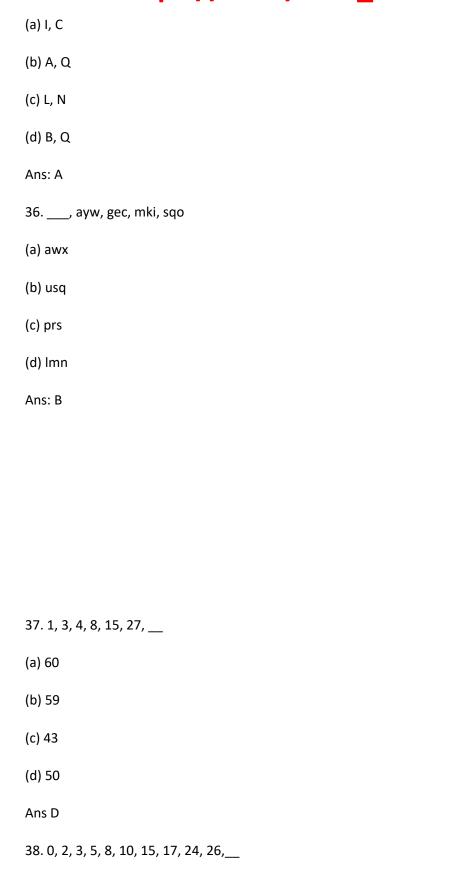
is 8mm long and 5mm wide ?
(a) 2500
(b) 25000
(c) 250
(d) 250000
Ans B
16. x% of y is y% of ?
(a) x/y
(b) 2y
(c) x
(d) can,t be determined
Ans: C
17. The price of sugar increases by 20%, by what % should a housewife reduce the consumption of
sugar so that expenditure on sugar can be same as before ?
(a) 15%
(b) 16.66%
(c) 12%
(d) 9%
Ans B
18. A man spends half of his salary on household expenses, 1/4th for rent, 1/5th for travel expenses the
man deposits the rest in a bank. If his monthly deposits in the bank amount 50, what is his monthly
salary ?
(a) Rs.500
(b) Rs.1500



(d) 4 cms	
Ans C	
24. A rectangular plank (2)1/2 meters wide can be placed so that it is on either side of the diagonal of a	
square shown below.(Figure is not available)What is the area of the plank?	
Ans :7*(2)1/2	
25. The difference b/w the compound interest payble half yearly and the simple interest on a	
certain sum lent out at 10% p.a for 1 year is Rs 25. What is the sum?	
(a) Rs. 15000	
(b) Rs. 12000	
(c) Rs. 10000	
(d) none of these	
Ans C	
26. What is the smallest number by which 2880 must be divided in order to make it into a	
perfect square ?	
(a) 3	
(b) 4	
(c) 5	
(d) 6	
Ans: C	
27. A father is 30 years older than his son however he will be only thrice as old as the son after 5 years	
what is father,s present age ?	
(a) 40 yrs	
(b) 30 yrs	

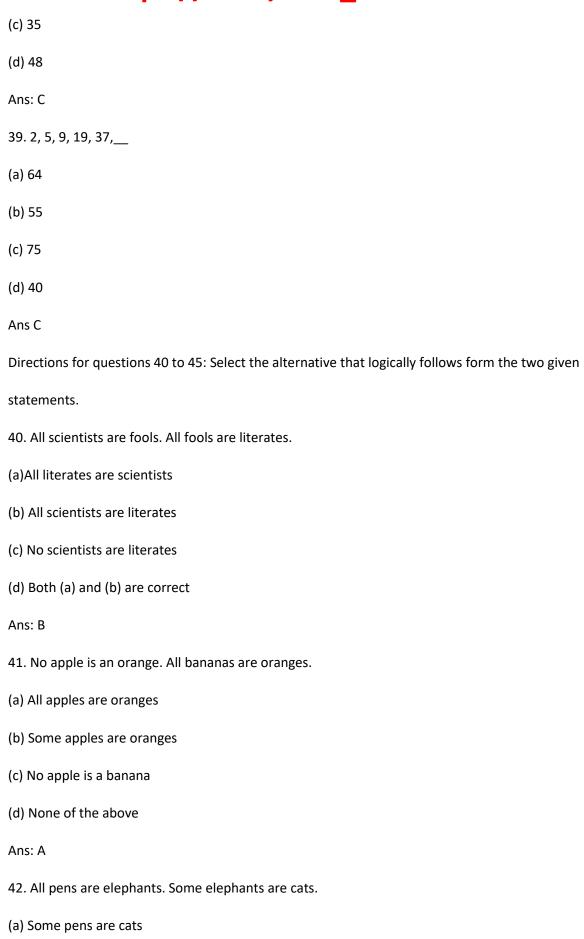




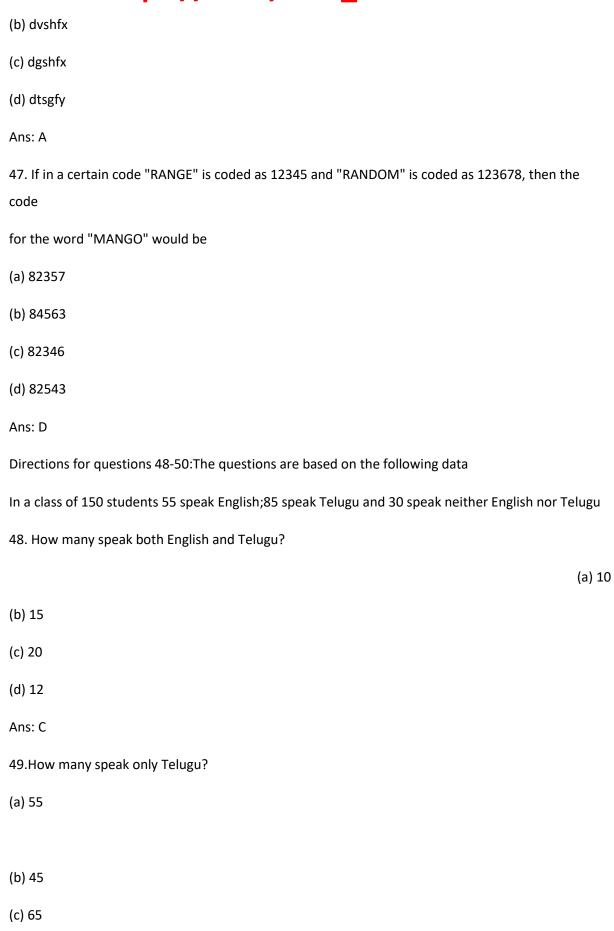


(a) 45

(b) 55



(b) No pens are cats
(c) All pens are cats
(d) None of the above
Ans: D
43. All shares are debentures.No debentures are deposits.
(a) All shares are deposits
(b) Some shares are deposits
(c) No shares are deposits
(d) None of the above
Ans: C
44. Many fathers are brothers. All brothers are priests.
(a) No father is a priest
(b) Many fathers are not priests
(c) Many fathers are priests
(d) Both (b) and (c)
Ans: B
45. Some green are blue. No blue are white.
(a) No green are white
(b) Some green are white
(c) No green are white
(d) None of the above
Ans: B
46. If the word "CODING" is represented as DPEJOH , then the word "CURFEW" can be represented?
(a) dvsgfx



(d) none of the above Ans:C 50. How many speak at least one of the two languages? (a) 120 (b) 100 (c) 250 (d) 50 Ans: A Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group? A. Molehills B. Shivalik Hills C. Satpura Hills D. Aravalli Hills Answer - A. Molehills Explanation: Remaining hills are located in India 2. Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group? A. Groundnut B. Cumin C. Cinnamon D. Pepper Answer – A. Groundnut Explanation: Remaining all are spices 3. Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group? A. Shesnaag lake

B. Wular lake

C. Dal lake
D. Sambhar lake
Answer – D. Sambhar lake
Explanation: Remaining all the lakes are located in J& K
4. Sikkim: Gangtok:: Manipur: ?
A. Shillong
B. Imphal
C. Dispur
D. Mumbai
Answer - B. Imphal
Explanation: Second is the capital of first.
5. Annihilation: Fire:: Cataclysm?
A. Earthquake
B. Steam
C. Flood
D. Emergency
Answer – C. Flood
Explanation: First is the result of the second.
Set - II
1. Dog :Kennel :: Rabbit : ?
A. Forests
B. Burrow
C. Den
D. Cactus
Answer – B. Burrow

Explanation:

The dog lives in Kennel

Rabbit lives in underground burrows
2. Carbon : Diamond :: Corundum : ?
A. Pearl
B. Pukhraj
C. Ruby
D. Garnet
Answer - C. Ruby
Explanation: Second is the form of first
3. Psychology: Mind::?: Birds
A. Onomatology
B. Ology
C. Ornithology
D. Neuropsychology
Answer – C. Ornithology
Explanation:
Psychology study of Mind
Ornithology study of Birds
4. Choose the odd one
A. 136
B. 141
C. 187
D. 238
Answer – B. 141
Explanation: Except 141 all are divisible by 17

5. Choose the odd one

A. 64
B. 343
C. 441
D. 1331
Answer – C. 441
Explanation: Except 441 all are perfect cubes
Section A- English(35 qs)
1. The young boy was not wearing cloths
A. a
B. any
C. nothing
Ans-C
2. The following paragraph is made of sentences which are jumbled. Can you unjumble the paragraphs and sort the sentences in their proper order?
A. A pact to form a new government.
B. the NDP and the Liberals have said they plan to bring down the Harper Conservative government next Monday.
C. Should the current one collapse due to lack of confidence,
D. Canada's opposition leaders have signed
1 ADCR

2. DACB

3. DABC		
4. ABCD		
3. In the question below the sentences have been given in Direct/Indirect speech. From the given alternatives, choose the one which best expresses the given sentence in Indirect/Direct speech.		
She said to her friend, "I know where is everyone"		
A.	She told that she knew where was everyone.	
B.	She told her friend that she knew where was everyone.	
C.	She told her friend that she knew where is everyone.	
D.	She told her friend that she knows where was everyon	
Ans-H	3	
4. Choose the one which can be substituted for the given word/sentence. Medical study of skin and its diseases		
A.	Dermatology	
B.	Endocrinology	
C.	Gynealogy	
D.	Orthopaedics	
Ans-A	A	
Select the most closely related the capital word		
5. FULSOME:		
A. Excessive		

B. Trival		
C. Thorough		
D. Eager		
Ans-A		
6. GABBLE:		
A. To bring to together		
B. Add a proof		
C. Take rapidly		
D. Jump and skip about		
Ans-C		
7. Rearrange the following five sentences in proper sequence so as to for a meaningful paragraph, then answer the questions given below them.		
1.But, we all helped in the first few days.		
2. Chandrapur is considered as a rural area.		
3.Manohar was transferred to his office recently.		
4. Initially he was not getting adjusted to the city life.		
5.Now, Manohar is very proud of his colleagues.		
6.Before that he was working in chandrapur branch of our office.		
I. Which of the following should be the third sentence?		
A. 5		
B. 6		
C. 1		
D. 2		
$\Gamma$ 2		

### Ans-D

II. Which of the following should be the second sentence?	
A. 2	
B. 3	
C. 4	
D. 5	
E. 6	
Ans-E	
8. In the question given below a part of the sentence is italicised and underlined. Below are given alternatives to the italicised part which may improve the sentence. Choose the correct alternative.	
Will you kindly open the knot?	
A. untie	
B. break	
C. loose	
D. No improvement	
Ans-A	
Questions (9-10) complete the sentence with appropriate words	
9. "You can have _ the chicken dish the fish dish for dinner tonight."	
A. as, as	
B. whether, or	
C. either, or	

### Ans-C

12. COMIC

10 my aunt _ my uncle live in India.	
A. Either, nor	
B.Both, and	
C. Whether, or	
Ans-B	
11. In the question below a sentence broken into five or six parts. Join these parts to make a meaningful sentence. The correct order of parts is the answer.	
1. left	
2. the	
3. house	
4. he	
5. suddenly	
A. 12435	
B. 21354	
C. 45123	
D. 52341	
Ans-C	
Questions (12-15), choose the word which is the exact OPPOSITE of the given words.	

A.

B.

C.

D.

Ans-B

Emotional

Tragic

Fearful

Painful

13. HAPLESS		
A.	Cheerful	
B.	Consistent	
C.	Fortunate	
D.	Shapely	
Ans-C		
14. AN	NNOY	
A.	Praise	
B.	Rejoice	
C.	Please	
D. Ans-C	Reward	
Alis-C		
15. NI	GGARDLY	
A.	Frugal	
B.	Thrifty	
C.	Stingy	
D.	Generous	
Ans-D		

16. In the questions below the sentences have been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice.

She makes cakes every Sunday.

- A. Every Sunday cakes made by her.
- B. Cakes are made by her every Sunday.
- C. Cakes make her every Sunday.
- D. Cakes were made by her every Sunday.

#### Ans-B

#### Read the passage below and answer the questions (17-20)

At this stage of civilisation, when many nations are brought in to close and vital contact for good and evil, it is essential, as never before, that their gross ignorance of one another should be diminished, that they should begin to understand a little of one another's historical experience and resulting mentality. It is the fault of the English to expect the people of other countries to react as they do, to political and international situations. Our genuine goodwill and good intentions are often brought to nothing, because we expect other people to be like us. This would be corrected if we knew the history, not necessarily in detail but in broad outlines, of the social and political conditions which have given to each nation its present character.

- 17. Englishmen like others to react to political situations like
- A. us
- B. themselves
- C. others
- D. each others

#### Ans-B

	https://t.me/tech_mahindra20
18. A	according to the author his countrymen should
A.	read the story of other nations
B.	have a better understanding of other nations
C.	not react to other actions
D.	have vital contacts with other nations
Ans-B	
19. The character of a nation is the result of its	
A.	mentality
B.	cultural heritage
C.	gross ignorance
D.	socio-political conditions
Ans-D	

- 20. The need for a greater understanding between nations
- A. was always there
- B. is no longer there
- C. is more today than ever before
- D. will always be there

#### Ans-C

- 21. In the question below, passage consist of six sentences. The first and sixth sentence is given in the beginning. The middle four sentences in each have been removed and jumbled up. These are labelled as P, Q, R and S. Find out the proper order for the four sentences.
- S1: Throughout history man has used energy from the sun.

P:	Today, when we burn wood or use electric current we are drawing an energy.
Q:	However we now have a new supply of energy.
R:	All our ordinary life depends on sun.
S:	This has come from the sun.
S6:	This energy comes from inside atoms.
The Pr	roper sequence should be:
A.	SQPR
B.	RQPS
C.	QSRP
D.	PSRQ
Ans-D	
22. Which of phrases given below each sentence should replace the phrase printed in bold type to make the grammatically correct?	
type to	make the grammatically correct?
The m	an to <b>who I sold</b> my house was a cheat.
The m	an to <b>who I sold</b> my house was a cheat.  to whom I sell
The m A. B.	an to <b>who I sold</b> my house was a cheat.  to whom I sell  to who I sell
The m A. B.	an to who I sold my house was a cheat.  to whom I sell  to who I sell  who was sold to
The m A. B. C.	an to who I sold my house was a cheat.  to whom I sell  to who I sell  who was sold to  to whom I sold
The m A. B. C. D.	an to who I sold my house was a cheat.  to whom I sell  to who I sell  who was sold to  to whom I sold  No correction required
The m A. B. C.	an to who I sold my house was a cheat.  to whom I sell  to who I sell  who was sold to  to whom I sold  No correction required
The m A. B. C. D. E. Ans-D	an to who I sold my house was a cheat.  to whom I sell  to who I sell  who was sold to  to whom I sold  No correction required
The m A. B. C. D. E. Ans-D	an to who I sold my house was a cheat.  to whom I sell  to who I sell  who was sold to  to whom I sold  No correction required

C.	Voguei
D.	Equestrain
Ans-B	
24. Ch	noose the word which best expresses the meaning of the given word.
LAUD	
A.	Lord
B.	Eulogy
C.	Praise
D.	Extolled
Ans-C	
25. Ch	noose the word which best expresses the meaning of the given word.
IMPR	OMPTU
A.	Offhand
B.	Unimportant
C.	Unreal
D.	Effective
Ans-A	
26. The question below contains one or two blanks. These blanks signify that a word or set of words has been left out. Below each sentence are five words or sets of words. For each blank, pick the word or set of words that best reflects the sentence's overall meaning.	
	professor made the students stand in their desks for the rest of the class when they red a question
A. conventionalwrong	

B. enthusiastictruthfully
C. eccentricincorrectly
D. avuncularfleetingly
E. respecteddoubtfully
Ans-C
27. The questions present a related pair of words linked by a colon. Five lettered pairs of words follow the linked pair. Choose the lettered pair of words whose relationship is most like the relationship expressed in the original linked pair
DRIP : GUSH
A. cry: laugh
B. curl : roll
C. stream: tributary
D. dent : destroy
E. bend : angle
Ans-D
28. Find the analogy
TOPAZ : YELLOW
A. diamond : carat
B. jeweler: clarity
C. sapphire : red
D. amethyst : purple
E. amber : blue

Ans-D

29. Complete the sentence with appropriate word(s)

Grandmother was considered the of the family. If she raised one eyebrow like a scepter, her also known as family would rush to do her bidding.
A. gluesubordinates
B. queenpeons
C. workerbosses
D. manipulatorjuniors
E. matriarchsubjects
Ans-E
30. Choose the word that best completes the analogy.
INEPT: SKILL:: FLIMSY:
A. Power
B. Weight
C. Strength
D. Thickness
Ans-C
31. Choose the word or set of words that makes the most sense when inserted into the sentence and that best fits the meaning of the sentence as a whole.
Many researchers believe that dreamless sleep
is largely a period of physical rest, whereas
dreaming sleep is a period of mental

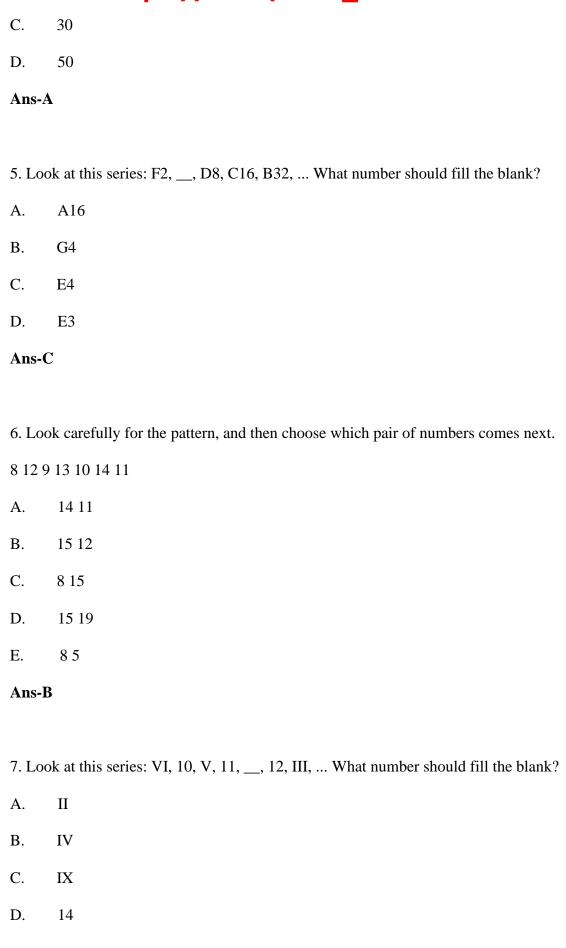
during which the mind and stores	
the information acquired during the day.	
A. relaxation processes	
B. inactivity categorizes	
C. fatigue integrates	
D. restoration sorts	
Ans-D	
32. Choose the correct meaning of proverb/idiom	
To keeps one's temper	
A. To become hungry	
B. To be in good mood	
C. To preserve ones energy	
D. To be aloof from	
E. None of these	
Ans-B	
33. Read the each sentence to find out whether there is any grammatical error in it. The error, if any will be in one part of the sentence. The letter of that part is the answer.	
A. I have got	
B. my M.Sc. degree	
C. in 1988.	
D. No error.	
Ans-A	

34. Pick out the most effective word(s) from the given words to fill in the blank to make the sentence meaningfully complete.

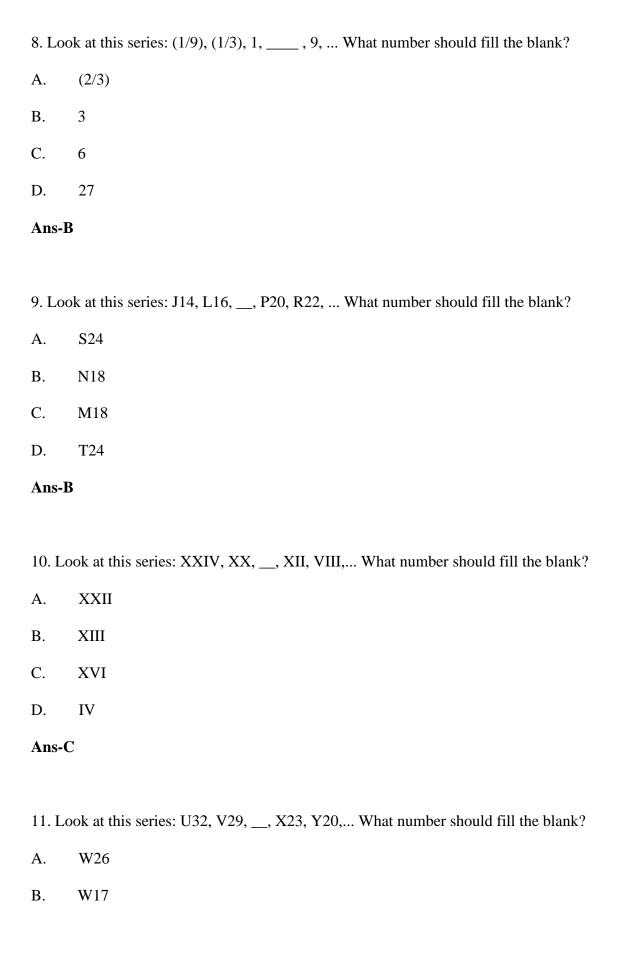
The grapes are now enough to be picked.	
A.	ready
B.	mature
C.	ripe
D.	advanced
Ans-C	
35. In the question below, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.  Since the beginning of history	
P:	have managed to catch
Q:	the Eskimos and Red Indians
R:	by a very difficulty method
S:	a few specimens of this aquatic animal
The P	roper sequence should be:
A.	QRPS
B.	SQPR
C.	SQRP
D.	QPSR
Ans-D	

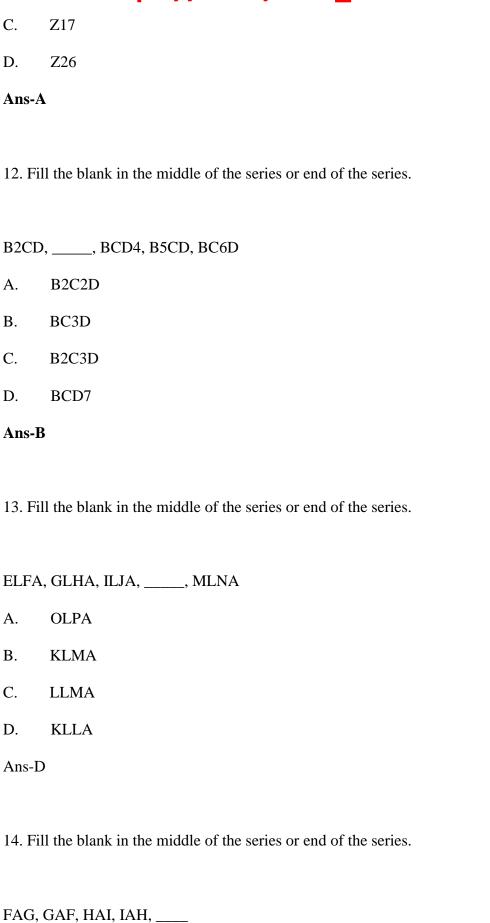
**Section B- Question series(20)** 

1. Loo	ok at this series: 22, 21, 23, 22, 24, 23, What number should come next
A.	22
B.	24
C.	25
D.	26
Ans-C	
2. Loo	ok at this series: 1000, 200, 40, What number should come next?
A.	8
B.	10
C.	15
D.	20
Ans-A	<b>L</b>
3. Loo	ok at this series: 5.2, 4.8, 4.4, 4, What number should come next?
A.	3
B.	3.3
C.	3.5
D.	3.6
Ans-D	
4. Loo	ok at this series: 80, 10, 70, 15, 60, What number should come next?
A.	20
B.	25



#### Ans-B





A.	JAK
B.	HAL
C.	HAK
D.	JAI
Ans-A	
15. Fil	I the blank in the middle of the series or end of the series.
DEF, I	DEF2, DE2F2,, D2E2F3
A.	DEF3
B.	D3EF3
C.	D2E3F
D.	D2E2F2
Ans-D	
16. Lo	ok carefully at the sequence of symbols to find the pattern. Select correct pattern
A.	1
B.	2
C.	3
D.	4
Ans-A	
17. Lo	ok carefully at the sequence of symbols to find the pattern. Select correct pattern
A.	1
B.	2

C.	3	
D.	4	
Ans-A		
18.Look carefully at the sequence of symbols to find the pattern. Select correct pattern		
A.	1	
B.	2	
C.	3	
D.	4	
Ans-D		
19.Look carefully at the sequence of symbols to find the pattern. Select correct pattern.		
A.	1	
B.	2	
C.	3	
D.	4	
Ans-C		
20.Look carefully at the sequence of symbols to find the pattern. Select correct pattern.		
A.	1	
B.	2	
C.	3	
D.	4	
Ans-C		

#### **Section C- Quantitative aptitude (20)**

1. A bill falls due in 1 year. The creditor agrees to accept immediate payment of the half and to defer the payment of the other half for 2 years. By this arrangement

INS Rs. 40. What is the amount of the bill, if the money be worth 12-z%?

#### **Ans-Rs 3600**

2. A train running at 54 kmph takes 20 seconds to pass a platform. Next it takes 12 sec to pass a man walking at 6 kmph in the same direction in which the train is going . Find the length of the train and the length of the platform

#### Ans-140m

3. A is twice as good a workman as B and together they finish a piece in 18 days. In how many days will A alone finish the work?

#### Ans-10 <sup>1</sup>/<sub>4</sub> days

- 4. A dog takes 4 leaps for every 5 leaps of a hare but 3 leaps of a dog are equal to 4 leaps of the hare. Compare their speeds.
- 5. Find the cash realised by selling Rs. 2440, 9.5% stock at 4 discount (brokerage (1/4) %)

#### **Ans-Rs 2298**

6. What is the square root of 0.0009?

#### Ans-0.03

7. 4/15 of 5/7 of a number is greater than 4/9 of 2/5 of the same number by 8. What is half of that number

#### Ans-315

8. A sum at simple interests at  $13 \frac{1}{2}$  % per annum amounts to Rs.2502.50 after 4 years find the sum.

#### **Ans-Rs 1625**

9. A bag contains 50 p, 25 P and 10 p coins in the ratio 5: 9: 4, amounting to Rs. 206. Find the number of coins of each type.

#### Ans- 50 p coins-360

### 10 p coins-160

10. A mixture contains alcohol and water in the ratio 4 : 3. If 5 litres of water is added to the mixture, the ratio becomes 4: 5. Find the quantity of alcohol in the given mixture

#### Ans-10 litres

11. In a 100 m race, A runs at 8km per hour. If A gives B a start of 4 m and still him by 15 seconds, what is the speed of B?

#### **Ans-5.76** km/hr.

12. In a game of 80 points; A can give B 5 points and C 15 points. Then how many points B can give C in a game of 60?

#### Ans- 8 points.

13. A book was sold for rs 27.50 with a profit of 10%. If it were sold for rs25.75, then what would be % of profit or loss?

#### Ans- Profit% --3%

14. The difference of two numbers is 11 and one-fifth of their sum is 9. Find the numbers.

#### **Ans-28 and 17**

15. Of two numbers, 4 times the smaller one is less than 3 times the 1 arger one by 5. If the sum of the numbers is larger than 6 times their difference by 6, find the two numbers

#### **Ans-59 and 43**

16. In a simultaneous throw of pair of dice .find the probability of getting the total more than 7

#### Ans- 5/12.

17. Two cards are drawn at random from a pack of 52 cards. What is the probability that either both are black or both are queen?

#### Ans-55/221

18. Two pipes A and B can fill a tank in 36 hours and 46 hours respectively. If both the pipes are opened simultaneously, how much time will be taken to fill the tank?

#### Ans- 20 hours.

19. What could be the maximum value of Q in the following equation?

$$5P9 + 3R7 + 2Q8 = 1114$$

#### Ans-9

20. Evaluate: (313 x 313 + 287 x 287).

#### Ans-180338.