Two chords of lengths 2L1 and 2L2 are drawn in a circle. Their lengths are inversely proportional to the straight distance joining the centre.Find the radius of circle?

At 6'o clock clock ticks 6 times. The time between first and last ticks was 30sec. How much time it takes at 12'o clock.

In 3.5 Kg rod , there is 74% silver. If it is alloyed with a 0.5 Kg rod, the % of silver goes p to 84%. The percent of silver in 0.5 Kg rod?

Radius of sphere is increased by 50%. By how much percentage is surface area is increased?

c=a/b ; a-1=c What is the relation between a&b

1/(10 power 18) - 1/(10 power 20) = ?

1. Fran: i want to stay out of ...

Sid:that's not true....

a. makes unfair demands on her students

b. only gives grades to a few favored students

c. never gives out grades of A

Ans. (c)

For Q2 - 3 A small passage was given. The answers though are the following

2. The major logical. weakness of the argument above is the fact that

a. it draws meaningful distinction between hands out and subsidies

b. it supports only the subsidy and does not provide the other side view.

c. it draws no meaningful distinction between hands out and subsidies

d. subsidies should not be given

e. none of the above

Ans. (c)

3. Which of the following persons would be most likely to disagree with the conclusions reached above argument

a. the president..

b. the patenee of a new device designed to make the widget absolute

c. the worker who worked with the patentee

Ans. (b)

4.- 5 (a small passage )

In a laboratory study,160 rabbits in an experimental group were injected with serum d, while 160 rabbits in a control group were injected with in two weeks, 39% of the

experimental group rabbits had contracted jungle fever, a highly contagious and usually fatal disease therefore jungle fever must be caused by some substance similar to the substance

found in serum d

4. The above argument would be most greatly strengthened if it were shown that

a. the normal...

b. 40% of ..

c. serum...

d. the blood of jungle fever victims invariably contains a high level of a certain toxic substance also

Ans. (d)

5. The above argument would be most seriously weakened if it were shown that

a. none of the rabbits in the experimental group had had jungle fever prior to the start of the experiment

b. the rabbits in the experimental group had had jungle fever prior to the start of the experiment.

c. some of the rabbits in the experimental group had had jungle fever prior to the start of the experiment .

d. four of the rabbits had had jungle fever prior to the start of the experiment .

e. one of the rabbits in the experimental group had had jungle fever prior to the start of the experiment

Ans. (e)

1. saint : holiness : : mongol :

a. chinese

b. barbarity

c. tribal

d. courageousness

Ans. (d)

2. entomologist : insects : : ornithologist :

a. marine life

b. birds

c. wild life

d. astronomy

Ans. (b)

3. ostracize : exclude : :

a. war : death

b. shipping : transport

c. war : surrender

d. population : people


Ans. (a)


4. rain : downpour : : joy :


a. happiness

b. triumph

c. ecstasy

d. laughter


Ans. (b)


5. niggardly : generous : : dolorous :


a. understandable

b. practical

c. happy

d. ostentatious

Ans. (d)

6. Which one of the following is venn diagram true.( 4 diagrams are there. )

7. In the given fig. (triangle.square.,circle)...

a. A

b. B

c. D

d. E

Ans. (b)

Direction : (8-10) : In column one are listed certain groups of individual while in column 2 are listedsome of the characteristics against each group of individuals which are common to each member of that group

Coloumn1 Column 2

BCDFH TU

DEGH QRS

DEF PN

ACDE NS

GDE PVQ

DEG VQRS

CDE VNO

BCD VTS

ABD PT

8. Which characteristcs are found either in 'E' or 'F' or in both but not in 'H'?

a. QRS

b. NOP

c. PVT

d. UVW

Ans. (b)

9. Which character is common to 'B' &amp 'C' but is not present in 'H'?

a. U

b. V

c. W

d. T

Ans. (a)

10. Which characteristics are common to 'C' &amp 'E' but are not present in 'F'?

a. T,V

b. V,W

c. T,U

d. O,P

Ans. (d)

VERBAL ABILITY

In the following questions mark the option that is nearest to the given word

11. Synonym for quixotic

a. rapid

b. exotic

c. longing

d. timid

e. idealistic

Ans. (e)

12. Antonym of recondite

a. unfriendly

b. easily comprehensive

c. closely juxtaposed

d. broad minded

e. sardonic

Ans. (b)

13. antonym of servile

a. moral

b. pue

c. futile

d. foul

e. haughty

Ans. (e)

14. Antonym of tacit

a. spoken

b. allowed

c. neutral

d. impertinent

e. unwanted

Ans. (a)

15. Synonym for macabre

a. musical

b. frightening

c. chewed

d. wicked

e. exceptional

Ans. (b)

1. How many degrees hours hand rotate in 10 minutes?

a) 6°

b) 5°

c) 4°

d) None of the above

Ans. (b)

2. $1/(10\ 18) - 1/(10\ 20) = ?$

a) 99/1016

b) 99/1014

c) 99/1015

d) None of the above

Ans. (a)

3. $0 < x < 1$: Which is greater ?

a) $1/x2$

b) $1/x$

c) $x$

d) $x\ 2$

Ans. (a)

4. $c=a/b$ ; $a-1=c$ What is the relation between a&b.b=?

a) $a/(a-1)$

b) $a/(a+1)$

c) $(a+1)/a$

d) None of the above

Ans. (a)

5. The sum of 7 consecutive odd integers with 27 as the fourth number.

a) 183

b) 181

c) 185

d) 179

Ans. (b)

6. For $(66666666666666)2 + 888888888888$, what is the number at the unit's place

a) 2

b) 4

c) 8

d) None of the above

Ans. (b)

7.32736 Express it in product of 3 numbers.

a) 41,42,43

b) 31,32,33

c) 32,34,33

d) 38,38,33

Ans. (b)

8. Radius of sphere is increased by 50%. By how much percentage is surface area is increased.

a) 150%

b) 125%

c) 128%

d) 225%

Ans. (b)

9. In which of the following , 2 as a common factor , can be eliminated.

a) log(x2)/log(y2)

b) (logx*logx*logx)/(logy*logy*logy)

c) (logx*logx)/logy

d) None of the above

Ans. (a)

In this section ,a question is followed by 2 statements A and B. Any one of these statements, or both are sufficient to answer the question. Mark your answer as :

a) If statement A alone is required

b) If statement B alone is required

c) If both the statements A & B are required

d) Neither of the statements are required

10. Does Mr. Mathew give tution ?

A) Mathew is a teacher

B) In school, the teacher is not expected to give tutions

Ans. (d)

11. There is no power cut in advanced country. If T is a city, Is there power cut in that city?

A) Z is a advanced country

B) T ia a capital city of country Z

Ans. (c)

12. Tanzanians are in East Africa. Tanzanians are good in either education ,dance or music

A) Tanzanians are good at Education

B) East Africa are good at dance & Music.

Ans. (a)

13. On a single day, 14 children are admitted in a school by their mothers.2 are sisters, 3 are brothers,2 are brother and sister and 2 are twins.The rest are singles. How many mothers came?

(a) 5

(b) 7

(c) 9

(d) 14

Problem on cisterns & pipes.

14.It will take 8hrs to fill a cistern. But due to leak at the bottom, it takes 10 hrs to fill it. In how many hrs, the full tank will be emptied because of the leak.?

(a) 18

(b) 8

(c) 40

(d) 10

Ans. (c)

Question regarding men & work

15. A does alone a piece of work in 4 days.B does the same piece of work alone in 8 days.C does alone a work in 10 days.In how many days will A, B, C together complete the work

(a) 40/19

(b) 19/40

(c) 1/22

(d) 2

Ans. (a)

16. In 3.5 Kg rod , there is 74% silver. If it is alloyed with a 0.5 Kg rod, the % of silver goes up to 84%. The percent of silver in 0.5 Kg rod?

17. Two chords of lengths L1 and L2 are drawn in a circle. Their lengths are inversely proportional to the straight distance joining the center end the radius of circle.

18. A Kg of tea costs Rs 49.50 . But the supplier gives 10 gms less for every Kg he sold. What is the actual cost.

(a) 49.001

(b) 49.005

(c) 49.01

(d) Same


Ans. (b)