MAT Mock Test – 3
Language Comprehension

Instructions [1 - 3]

Each question has a group of sentences marked A, B, C, D and E. Arrange these to form a logical sentences.

1. **A. Environment Education Unit of center for Science.**
B. **Environment has always been working towards provoiding easy to understand reading material.**
C. **Their new publication on this subject is an attempt to lend teachers a helping hand.**
D. **It unfolds in two sections first, Climate Change, how to make sense of it all and second, Natural Resources, how to share and care.**
E. **However, they are introduced to students not as a paragraph to memorise but as an activity to do.**

    A   ACEBD

    B   DBCAE

    C   ABCDE

    D   BECAD

Answer: C

2. **A. A famous Japanese rock garden at Ryoan ji in North-West Kyoto, Japan.**
B. **The rocks of various sizes are arranged on small white pebbles in five groups, each comprising, five, two, three, two and three rocks.**
C. **The garden is 30m long from East to West and 10m from North to South.**
D. **The garden contains 15 rocks arranged on the surface of white pebbles in such a manner that visitors can see only 14 of them at once from whichever angle the garden is viewed.**
E. **There are no trees, just around 15 irregularly shaped rocks of varying sizes, some around by rocks, arranged in a bad of white grancelsard that is ranked everyday.**

    A   ACEBD

    B   CAEDB

    C   DEABC

    D   BADEC

Answer: B

3. **A. When they gathered together, the Buddha was completely silent and some speculated thatperhaps the Buddha was tired or ill.**

B. It is said that Gautam Buddha gathered his disciples one day for a Dharma talk.

C. One of Buddha's disciples, Mahakasyapa, silently gazed at the flower and broke into a broad smile.

D. The orgins of Zen Buddhism are ascribed to the flower Sermon, the earliest source for which comes from the 14th century.

E. The Buddha silently held up and twirled a flower and twinkled his eyes, several of his disciples tried to interpret what this meant though none of them were correct.

A	EBDAC
B	DBAEC
C	BCDEA
D	CADBE

Answer: C

Instructions [4 - 7]

Choose the best option for the blank.

4. Ironcally of the normally .... speaker bacame very shy and ..... when confronted with the .... afraid stairs of her eager audience.

    A. Quit, passenger

    B. Gerrulous, reticent

    C. Disappeancer, passant

    D. Humble super, ciliour

Answer: D

5. Although the whole team acted in unison, each number .... for a/an the .... of the production process.

A	Reliable, source
B	Responsible, element
C	Appointed, article
D	Gravel, felory

Answer: C

6. The studies of the children were ...... and ...... was the result of it

A	Neglected, ignorance

B   Interrupted, incongruence

C   Officiated, alienation

D   Instructed, genius

Answer: A

7. **The .... correction is a good .... to add the blenechip sum phasma certificates stock to your porlfolio**

    A. Organs, opportunity
    B. Undergoing, change
    C. Lancing, attempt
    D. Ironside, time

Answer: A

Instructions [8 - 11]

Each of these questions has a text portion followed by four alternative summaries.Choose the option that best captures the essence of the text.

8. **This decade has heralded the arrival of China and the rise of India on the world stage. Due to global recession the balance of power is shifting from the West to East China has already occupied secondplace in the world's biggest economies. BUt India is still struggling with formidable challenges likecrushing poverty of millions, uneven growth, Can we in all honesty aspire to be a genuine, superpower?**

    A. Economic meltdown in the West has tilted the balance of economic power towards Asia

    B. China 's Gross Domestic Product is next only to that of the United States of America

    C. Even though India is a fast growing economy, it has to cross many hurdles before becoming a superpower

    D. Corruption and poverty in India are the main, hindrances to its economic growth

Answer: C

9. **Get your grammar right! Live in the active voice rather in the passive, thinking more about what you do than about what happens to you. Live in the present tense, facing the duty at hand without regretfor the past or worrying about the future. Live in the first person, criticizing yourself rather than finding faults with others.**

    A. Self-introspection is always better than being critical of others
    B. The past is gone, future is uncertain, so live for the present
    C. Do your duty earnestly without worrying about tht outcome
    D. Be optimistic, confident, hard-working and self-introspective

Answer: B

10. **Alexander technique is a therapy in complementary medicine for improving health by teaching people to move, sit and stand efficiently. it is designed to release unnecessary muscle tensions in**

order to eliminate or reduce the severity of wide range of disorders like back pain, asthma, repetitive strain, injury and stuttering. Training is carried out in one to one sessions under a qualified teacher. The technique was started by F. Matthias Alexander in 1890 for his breathing problem and hoarseness.

A. Alexander technique is a 120 years old therapy designed by F Matthias Alexander for his self treatment

B. Alexander technique therapy is practised in one to one sessions under the guidance of an expert

C. In Alexander technique,a qualified teacher works on the postures of a person, releasing muscular tension, to cure a number of disorders

D. Alexander technique is helpful in treating Pains, lung problems, spinal problems and speech disorders

Answer: D

11. **As things stand now, each country's financial system is being sustained and supported by its own government. Governments are primarily concerned with their own economies. This gives rise to financial protectionism, which threatens to disrupt and perhaps destroy global financial markets. So,regulations must become international in scope. Otherwise, global financial markets will be destroyed by regulatory arbitrage.**

A. Global markets need global regulations but each nation is rooted in the principle of national sovereignty

B. Financial protectionism damages the concept of globalisation

C. Global markets need international guidelines for the smooth running of global trade

D. Every country tries to protect its own financial interests

Answer: C

Instructions [12 - 14]

Identify the best way of writing the sentence in the context of the correct usage of standard written English.

A. To reach the destination, the man followed the route given in the map because he was confused
B. As he became confused, the man had to follow the route given in the map to reach the destination
C. The man was confused, so he followed the route given in the map to reach the destination
D. To reach the destination, as the man was confused, he followed the route given in the map

Answer: C

A. New words could be used, if required, to express the full force of exclamation
B. If necessary, new words should be used to express the full force of exclamation
C. To express the full force of exclamation, if necessary, new words will be used
D. New words are used, if required, to express the full force of exclamation

Answer: B

- **A** Neither he comes nor he writes a letter now

- **B** Neither does he come nor he writes a letter now

- **C** Neither he comes nor does he write a letter now

- **D** Neither does he come nor does he write a letter now

Answer: B

Instructions [12 - 14]

In each of these questions, a jumbled word is given. Rearrange the jumbled word and select the word which is opposite in meaning to the rearranged word

12. DORGSEIAN

- **A** Beautiful

- **B** Future

- **C** Chaotic

- **D** Bright

Answer: C

13. THYEALH

- **A** Coward

- **B** Empty
- **C** Closed

- **D** Sick

Answer: D

14. ERNUESGO

- **A** False

- **B** Dark

- **C** Miser

- **D** Small

Answer: C

Instructions [15 - 18]
Study the passages below and answer the questions. Passage I

A US economy firmly on the path of revival and robust growth would be of great significance for the world economy and Indian exporters should be looking at a sustained rise in demand in the US. The US economy, as per recent-released figures has already added some 171000 jobs in the month prior. This is shows that the US has made real progress in rejuvenating the economy. Of course, we are quite happy to see the revival of job growth in the US, especially because the Indian industry has had a not so minor role in this development. Indian companies have helped add some 20000 new jobs to the US economy in 2012-13 itself. Future Indian investment directed towards the US is likely to add to this number. Most of these new jobs are actually being created by the Indian Information Technology (IT) sector, which is mistakenly derided as a 'job stealer'by the US. However, empirical evidence clearly suggests that 'outsourcing Improves corporate bottom-lines in the US, which in turn allows corporates to expand, thereby leading to the generation of new jobs. The current rhetoric on outsourcing is overblown and counterproductive. There is after all no real use in creating impediments for a sector that has organically linked our two economies and is helping generate net employment in both lands. A growing India-US economic relationship is necessarily IT enabled.

15. **According to the passage, to revive the US economy, Indian industry**

    A   did not have much contribution

    B   had, in fact, no role to play

    C   had a significant contribution

    D   could not do much about it

Answer: C

16. **As per the passage, recent propaganda against outsourcing of jobs in the US is**

    A. quite genuine and should have been more loud

    B. fairly logical and justified

    C. not quite correct

    D. good for the growth of the US industry

Answer: C

17. **Which of the following statement(s) is true as per the information contained in the passage?**
    A. Indian industry is capable of helping the US economy in the near future.
    B. Indian IT sector has a major role in creating new jobs in the US.
    C. Revival of the US economy would help Indian exporters a lot.

    A   Only A

    B   B and C

    C   A, B and C

    D   A and C

Answer: C

18. Indian IT sector has created jobs in

    A   the US alone

    B   Both India and the US

    C   Only India

    D   None of the above

Answer: B

Instructions [19 - 22]
Study the passages below and answer the questions. Passage II

The Supreme Court wants to find out whether additional taxes on diesel cars can curb air pollution. But evidence from Europe,where around half of the automobiles are diesel-based and the air is far cleaner than in our cities, demonstrates that diesel cars cannot by themselves be blamed for deterioration in air quality and evidence from the Central Pollution Control Board clearly shows that industries. road dust from construction and geography account for most of the particulate matter emission in cites.Power plants and diesel generators also increase, pollution and the bulk of the transport emissions are on account of heavy commercial vehicles that use much older technologies than new diesel cars. Undoubtedly. adulteration of diesel with subsidised to the problem. So. a tax on new diesel cars is too blunt an instrument which certainly will not yield clean aidt fact skew the market towards used rather than new cars which would not only hurt the automobile industry but also further air pollution. Cleaning the air in our cities would require concerted efforts by authorities including of diesel prices. ending sale of subsidised kerosene and supply of better quality fuel. It would also require a significant improvement in public transport systems and better enforcement of pollution control norms. The solution therefore is not so much in constraining the industry with new taxes, but in pushing through positive measures that enable their livelihoods while also breathing clean air.

19. As per the passage, which of the following meaaure(s) is considered necessary to reduce pollution in our cities?

    A   Introducing better public transport systems

    B   Stopping availability of cheap kerosene in the market

    C   Introducing good quality fuel in the market

    D   All of the above

Answer: C

20. What is the meaning of the word 'skew used in the passage?

    A   Change

B   Distort

C   Divert

D   Introduce

Answer: C

21. **According to the passage, diesel cars are**

A. solely responsible for air pollution in our cities
B not at alt blameworthy for air pollution
C. not much responsible for polluting air
D. None of the above

Answer: C

22. **As per information given in the passage. which of the following statements is not true?**
   A. Government needs to relax pollution control norms.
   B. Commercial vehicles increase pollution substantially.
   C. In Europe most automobiles are not diesel-based.

A   A and C

B   Only B

C   Only C

D   A and B

Answer: A

Instructions [23 - 26]

Study the passages below and answer the questions. Passage III

The Election Commission (EC) has proposed an amendment to the 1950.Representation of the people Act (RPA) to ban all opinion polls once the election process is under way. which could be months before actual elections are held. Following the passing of tlhe 2009 RPA (Second Amendment) Bill, a ban on exit polls conducted while the polling process is going on is already in place. While there may be a case for banning opinion polls or their republication while polling is actually underway and poll campaigning has ceased why all opinion polls should be banned is unclear. Nevertheless major political parties argued for this at last year s consultations on electoral reform, and the EC appears to have succumbed. Proponents of the ban argue, contradictorily, that, opinion polls tend to influence voters and voting patterns besides creating confusion galore. also drawn attention to complaints about political parties funding some opinion polls.

But such a draconiah ban on all opinion polls is tantamount to muzzling freedom of expression• as well as the right of the media and research organisations to undertake such pre-poll exercises. These. after all, are an important metric to assess the people 's mood and their aspirations. and their perception of political parties. Multiple opinion polls competing with each other restrict the possibility o manipulation by anyone pre-poll survey. Finally, the perception that voters are gullible enough to be duped by by opinion polls, is an affront to their intelligence and political sense.

23. According to the passage, presently, conducting exit polls

    A. during the election process is not permitted

    B. during polling process isbanned

    C. at the time of polling will bebanned

    D. None of the above

Answer: B

24. As per the passage, which of the following statement(s) is true?

A. It is incorrect to presume that Indian voters can be influenced by opinion polls.

B. Major political parties of India had agreed to ban opinion polls.

C. We should not doubt the intelligence of Indian voters.

    A   Only A

    B   A and B

    C   A and C

    D   B and C

Answer: A

25. According to the passage, some political parties

    A   keep themselves away from opinion polls

    B   try to bribe the opinion polls for favours

    C   do not want to get involved with opinion polls

    D   None of the above

    Answer: D

26. As per the passage, when there are a number of opinion polls conducted at the same time, it is

    A   quite easy to manipulate anyone pre-poll survey

    B   not easy to manipulate any one pre-poll survey

    C   quite possible to manipulate anyone pre-poll survey

    D   None of the above

Answer: C

Instructions [27 - 30]

Study the passages below and answer the questions.

Passage IV

In the decade to come, the United States, Europe, and Japan are likely to grow slowly. Their sluggishness, however, will look less worrisome compared with the even bigger story in the global economy, which will be the three to four percent slowdown in China, which is already under way, with a possibly deeper slowdown in store as the economy continues to mature. China's population is simply too big and aging too quickly for its economy to continue growing as rapidly as it has. With over 50 percent of its people now living in cities, China is nearing what economists call "the Lewis turning point": the point at which a country's surplus labor from rural areas has been largely exhausted. This is the result of both heavy migration to cities over the past two decades and the shrinking work force that the one-child policy has produced.As growth slows in China and in the advanced industrial world, these countries will buy less from their export-driven counterparts, such as Brazil, Malaysia, Mexico, Russia, and Taiwan. During the boom of the last decade, the average trade balance in emerging market countries that have managed to sustain a five percent growth rate for a full decade, since 1930, 52 percent were democracies and 48 percent were authoritarian. Atleast over the short to medium term, what matters is not the type of political system a country has, but rather the presence of leaders who understand and can implement the reforms required for growth.

27. According to passage, which of the following statements is not true?

A. During the past 10 yr or so, only democratic countries have shown a sustained growth.

B. During the 10 yr or so, Japan is likely to show a slow rate of growth.

C. Leaders of a country can bring about changes which promote growth.

A   only B

B   only A

C   A and C

D   B and C

Answer: C

28. As per the passage, in our immediate future, which of the following factors will cause more anxiety?

A. China's unprecedented growth
B. European countries 'slow growth
C. China's slow growth
D. None of the above

Answer: C

29. Which of the following is a reason for China's slow growth rate?

A. Considerable migration of labour from rural to urban, areas has resulted in reduction of workforce availability

B. Family planning measures adopted by Chinese families

C. China's population is aging rather quickly

D. All of the above

Answer: D

30. **In the years to come, it appears that China's economy will**

A grow at a rapid pace

B grow at a very high rate

C show a marked slowdown

D None of the above

Answer: C

Mathematical Skills

31. **If 15 men, 24 women and 36 boys can do a piece of work in 12 days, working 8h per day, how many men must be associated with 12 women and 6 boys to do another piece of work** $\frac{1}{24}$ **times as large in 30 days working 6 h per day?**

A 6

B 4

C 8

D 10

Answer: C

Explanation:
If M1 men can do W1 work in D1 days working H1 hours per day and M2 men can do W2 work in D2 days working H2 hours per day (where all men work at the same rate), then

M1 D1 H1 / W1 = M2 D2 H2 / W2 .... (1)

So,given 15M=24W=36B .... (2)
where M,W,B are work done by one man, one woman and one boy respectively in one

day. Also given W2=9/4W1 (3)

for W2 let x Men(M) are required.
So total Human-power(for W2) = xM + 12W + 6B

now using relations from (2) Human-power(for W2) = xM + 15/2M + 15/6M =

(10+x)M So replacing all the values in eqn (1) and (3), we get

=> 15M*12days*8Hrs/W1 = (10+x)M*30days*6Hrs/W2

=> 15M*12days*8Hrs/W1 = (10+x)M*30days*6Hrs/(9/4W1)

=> x = 8 Men

32. The horizental distance between two towers is 60m. The angular elevation of the top of the tallertower as seen from the top of the shorter one is 30°. If the height of the taller tower is 150m, the height of the shorter one is

A   100m

B   106m

C   116m

D   None of these

Answer: C

Explanation:
In triangle,

tan 30 = 150-h/601/√3 = 150-h/60

20√3 = 150 - hh = 150- 20√3 h = 150 - 34.64

h = 115.36m (nearly equal to 116m)

33. A boat travels upstream from B to A and downstream from A to B in 3 h. If the speed of the boat instill water is 9 km/h and the speed of the current is 3 km/h, what is the distance between A and B?

A   6 km

B   4 km

C   8 km

D   12 km

Answer: D

Explanation:
Speed of the boat upstream =9-3 =6 km/hr

Speed of the boat downstream=9+3=12

km/hrLet the distance between A and B be x

kms.

So,time taken to travel x km upstream by boat= x/6

hrs. And time taken to travel x kms downstream = x/12

hrs. According to the question ,

x/6 + x/12

=3 x[1/6 +

1/12]=3x =

4×3 =12

So, distance between A and B is 12 kms.

34. The electricity bill of a certain establishment is partly fixed and partly varies with the number of units of electricity consumed. When in a certain month 540 units are consumed, the bill is 1800. In another month 620 units are consumed and the bill is 2040. In yet another month 500 units are consumed. The bill for that month would be

A   ₹ 1680

B   ₹ 1560

C   ₹ 1840

D   ₹ 1950

Answer: A

Explanation:
let fixed unit be x and cost of each unit be y

540y + x =1800...........(1)
620y + x = 2040..........(2)

Solving both the equation we will have y=3 Now placing y value in any of the equation give x=180 (fixed value)

So now we will

haveBill = 180

+(500*3)

=1680

35. A booster pump can be used for filling as-well-as for emptying a tank. The capacity of the tank to 2400 m3. The emptying capacity of the tank i8 10 m3 per min higher than its filling capacity and the pump needs 8 min lesser to empty the tank than it needs to fill it. What is the filling capacity of the pump?

  A. 60m3/min
  B. 50m3/min
  C. 72m3/min
  D. None of these

Answer: B

Explanation:

Let, the filling capacity of the pump be x m^3/min

Then, emptying capacity of the pump=(x+10)

m^3/min.So,2400/x - 2400/(x+10) = 8

On solving, we

get

x=$50m^3/min$

36. A and B walk around a circular track. They start at 8 am from the same point in the opposite directions. A and B walk at a speed of 2 rounds per hour and 3 rounds per hour respectively. How many times shall they cross each other before 9:30 am?

  A   6

  B   5

  C   7

  D   8

Answer: C

Explanation:

A does 1 round per 30

minutesB does 1 round per

20 minutes

How many minutes would it take making a round together:

x/30 + x/20

= 12x + 3x =

60

5x = 60

x = 12

They meet every 12 minutes.

How many 12 minute periods are there from 8:00 am to 9:30

am90 minutes, so

90/12

Answer is 7 times they cross each other.

37. The dimensions of a room are $10m \times 7m \times 5m$. There are 2 doors and 3 windows in the room. The dimensions of the doors are $1m \times 3m$. One window is of size $2m \times 1.5m$ and the other two windows are of size $1m \times 1.5m$. The cost of painting the walls at ₹ 3 per m^2 is

    A   ₹ 578.50

    B   ₹ 474

    C   ₹ 684

    D   ₹ 894

Answer: B

Explanation:
Area of 4 walls = 2(l+b)h =2(10+7) x 5

= 170 sq m

Area of 2 doors and 3 windows = 2(1x3)+(2x1.5)+2(1x1.5)

= 12 sq m

Area to be planted = 170 -12 = 158 sq

mCost of painting = Rs. 158 x 3 = Rs.

474

38. There are two bags, one of which contains 3 black and 4 white balls, while the other contains 4 blackand 3 white balls. A dice is cast. If the face 1 or 3 turns up, a ball is taken from the first bag and if any other face turns up a ball is chosen from the second bag. The probability of choosing a black ball is

    A. **11/21**

    B. **10/21**

    C. **12/21**

    D. **9/21**

Answer: A

Explanation:

Bag1 = 3 back, 4 white balls

Bag2 = 4 black, 3 white balls

Probability of selecting bag 1 = 2/6 = 1/3

Probability of selecting bag 2 = 1 - 1/3 = 2/3

Probability of choosing a black ball from bag 1 = 3/7

Probability of choosing a black ball from bag 2 = 4/7

Required probability = 1/3 * 3/7 + 2/3 * 4/7

= $\frac{11}{21}$
2

39. A runs 13 **times as fast as B. If A gives B a start of 3 80 in. How far must the winning post be so that A and B reach it at the same time?**

    A   300 m

    B   200 m

    C   270 m

    D   160 m

Answer: B

Explanation:

Ratio of the speeds of A and B = 5/3 : 1 = 5 :3Thus, in race of 5 m, A gains 2 m

over B.

2 m are gained by A in a race of 5 m.

80 m will be gained by A in race of (5/2*80) :

=200 metersSo,

Winning post is 200 m away from the starting point.

40. A cistern, open at the top. is to be lined with sheet lead which weights 27kg/m^{3n}. The cistern is 4.5 m long and 3 m wide and holds 50 m^3. The weight of lead required is

    A. 1764.60 kg
    B. 1864.62 kg
    C. 1660.62 kg
    D. 1860.62 kg

Answer: B

Explanation:

Let the depth of the cistern be h

metersThen 4.5×3×h = 50

So, h =

50/13.5h =

100/27

Area of sheet required = lb + 2 (bh + lh)

= lb + 2h(l + b)

= [4.5×3+2×100/27(4.5+3)] sq m

= (13.5+200/27×7.5)

= (27/2+500/9)

= 1243/18

Therefore weight of lead = (27×1243/18)

= 3729/2 kg

= 1864.5

41. A cylindrical tub of radius 12 cm contains water up to a depth of 20 cm. A spherical iron ball isdropped into the tub and thus the level of water is raised by 6.75 cm. The radius of the ball is

   A   6 cm

   B   4.5 cm

   C   7.25 cm

   D   9 cm

Answer: D

Explanation:
Given radius of the cylinder, r = 12 cm

It is also given that a spherical iron ball is dropped into the cylinder and the water level raised by 6.75 cm

Hence volume of water displaced = volume of the iron ball

Height of the raised water level, h = 6.75 m

Volume of water displaced = πr^2h

= π × 12 × 12 × 6.75 cm^3

So, Volume of iron ball = π × 12 × 12 × 6.75 cm^3 ...

(1)But, volume of iron ball =4/3πr^3 ...(2)

From (1) and (2) we get

4/3πr^3 = π × 12 × 12 × 6.75

On solving, we

getr^3 = 729

r^3 = 3^6

Therefore, r'

= 9

Radius of the iron ball is 9 cm

42. What per cent selling price would be 34% of the cost price if the gross profit is 26% of the sellingprice?

    A   74.00%

    B   25.16%

    C   17.16%

    D   88.40%

Answer: B

Explanation:
Let the selling price of the article = Rs. 100Therefore,

Profit = Rs. 26

So, Cost price of the article = S.P. - Profit

= 100 - 26 = Rs. 74

So,

Required % = (34 x 74)/100

= 25.16%

43. The present worth of a bill due 7 months hence is ₹1200. If the bill were due at the end of 21/2 yr, Its present worth would be Z ₹1016. What is the rate per cent of the bill?

    A   8%

    B   10%

    C   16%

    D   18%

Answer: B

Explanation:
Since,

S.I. = Principal∗Rate∗Time/100

Therefore, 1200 + 1200∗7∗r/12∗100 = Amount

(A)1200 + 7r = A.. (i)

and 1016 + 1016*5*r/2*100

= ATherefore, 1016 + 25.4r = A

....(ii)

1016 + 25.4r = 1200 + 7r

So,

25.4r - 7r = 1200 - 1016

18.4r =

184r =

184/18.4

= 10% per annum

44. If the ages of P and R are added to twice the age of Q, the total becomes 59. If the ages of Q and R are added to thrice the age of P, the total becomes 68 and if the age of P is added to thrice the age of Q and thrice the age of R, the total becomes 108. What is the age of P?

   A   19 yr

   B   15 yr

   C   17 yr

   D   12 yr

Answer: D

Explanation:
According to

question

P+R+2Q=59 1

Q+R+3P=68 2

P+3Q+3R=108...............3

Multiply equation (2) by 3

And subtract equation (iii) from

it,Then P=12 years

45. If 6 years are subtracted from the present age of Shyam and the remainder is divided by 18, then the present age of his grand son Anup is obtained. If Anup is 2 years younger to Mahesh whose ageis 5 years, then what is the age of Shyam?

A 48 yr

B 60 yr

C 84 yr

D 96 yr

Answer: B

46. **There are two concentric circular track of radii 100m and 102m, respectively . A runs on the inner track and goes once round in 1 min 30 sec, while B runs on the outer track in 1 min 32 sec. Who runsfaster?**

    A   A

    B   B

    C   Cannot be determined

    D   None of these

Answer: B

47. A man reaches his office 10 minutes late if he drives his car at 40 kmph, and 5 minutes early if he drives his car at 50 kmph from his home. How should I calculate the distance of his office from hishome?

   A   25

   B   50

   C   75

   D   100

Answer: B

48. Out of 20 consecutive positive integers, two are chosen at random. The probability that their sum isodd is

   A. 10/19
   B. 1/20
   C. 19/20
   D. 9/19

Answer: A

49. Two coal loading machines, each working 12 h per day for 8 days, handle 9000 tonne of coal with an1 efficiency of 90%, while 3 other coal loading machines at an efficiency of 80% are set to handle 12000 tonne of coal in 6 days. How many hours per day should each machine work?

   A   18 h per day

   B   16 h per day

   C. 20 h per day

   D. 14 h per day

Answer: B

Explanation:

According to the question,
time 1/amount of work done 1 = time 2/amount of work done 2 (12*8*.9):(9000/2)::(6*x*.8):(12000/3)
So,on solving , we get x=16 h/day

50. Six pipes are fitted to a water tank. Some of these are inlet pipes and the others outlet pipes.

Eachinlet pipe can fill the tank in 9 h and each outlet pipe can empty the tank in 6 h. On opening all the pipes, an empty tank is filled in 9 h. The number of inlet pipes is

A   4

B   3

C   2

D   5

Answer: A

51. A student purchased a computer system and a colour printer. If he sold the computer system at 10%loss and the colour printer at 20% gain, ho would not lose anything. But if he sells the computer system at 5% gain and the colour printer at 15% loss, he would lose 2 800 in the bargain. How much did he pay for the colour printer?

A   ₹ 16000

B   ₹ 8000

C   ₹ 9000

D   ₹ 5334

Answer: A

52. Suppose that a maximum of 25 g of salt dissolves in 100 g of water. Any more salt, if added, remainsundissolved and a sediment falls at the bottom. Now, water is evaporated from 1 kg of a 4% solution at the rate of 28 g per hour. After how long will it start sedimenting, approximately?

A   29 h

B   31 h

C   35 h

D   23 h

Answer: B

53. In a defective 6 faced die with numbers 1 to 6 inscribed,probability of odd is 2 times that of even.What is the probability to gt number 5 in single throw?

A. 2/9

B. 4/81

C. 1/3

D. 1/9

Answer: A

54. **Out of the total production of iron from hematite, an ore of iron, 20% of the ore gets wasted. Out of the remaining iron, only 25% is pure iron. If the pure iron obtained in a year from a mine of hematitewas 80000 kg, then the quantity of hematite mined in the year is**

A   400000 kg

B   500000 kg

C   450000 kg

D   600000 kg

Answer: A

55. **A car driver, driving in a fog, passes a pedestrian who was walking at the rate of 2 km/h in the same direction. The pedestrian could see the car for 6 min and it was visible to him up to a distance of 0.6 km. What was the speed of the car?**

A   15 km/h

B   30 km/h

C   20 km/h

D   8 km/h

Answer: D

56. **A, B and C working together completed a job in 10 days. However, C only worked for the first threedays when 37/100 of the job was done. Also, the work done by A in 5 days is equal to the work doneby B in 4 days. How many days would be required by the fastest worker to comlete the entire work?**

A   25 days

B   20 days

C   30 days

D   40 days

Answer: B

57. Three different containers contain differeose nt quantities of a mixture of milk and water, wh measurements are 403 kg, 434 kg and 465 kg. What biggest measure must be there to measure all the different quantities exactly?

    A   70 kg

    B   51 kg

    C   31 kg

    D   41 kg

Answer: C

58. A conical tent is 5m high and the radius of the base of 12m findthe slant height if the cost of 1m square canvas is rs 70 find thecost of canvas required to make the tent

    A   34322

    B   34320

    C   34321

    D   34319

Answer: C

59. At a point on level ground,

the angle of elevation of a vertical tower is found to be such that its tangent is 5/12. On walking 192 m towards the tower, the tangent of the angle of elevation is ¾. The height of the tower is

    A   96 m
    B   150 m
    C   180 m
    D   226 m

Answer: C

60. In a medical certificate, by mistake a candidate gave his height as 25% more than actual. In the interview panel, he clarified that his height was 55 ft 5 inches. What is the percentage correction made by the candidate from his stated height to his actual height?

    A   28.56%

    B   20%

    C   25%

D   None of these

Answer: B

Explanation:

Actual/clarified height = X = 5.5 Mistaken height = 1.25 X = 6.875

Percentage correction = (6.875-5.5)/6.875 = 20%

Data Analysis & Sufficiency

Instructions

In each of these questions two quantities A and B are given. Compare the two quantities

61. Suresh's salary, which is greater than ₹ 10000 is 75% of Sandra's salary. Dutt's salary is 80% of Suresh's salary

A.   **Sandra's salary**

B.   **Dutt's salary**

A. if quantity A is greater than quantity B
B. if quantity B is greater than quantity A
C. if quantities A and B are equal
D. if comparison cannot be made

Answer: A

Explanation:
Let Suresh's salary be s and sandra's be x and dutts be y.s = 0.75x (given)
y = 0.8*0.75x
y = 0.6x
Sandra's salary - x
Dutt's salary -y
Quantity A is greater than quantity B

62. The total surface area of a cube = 150.

   a.   **The length of one edge of the cube**

   b.   **4.5**

   A. if quantity A is greater than quantity B

   B. if quantity B is greater than quantity A

   C. if quantities A and B are equal

   D. if comparison cannot be made

Answer: A

Explanation:

Total surface area of the cube = 6a^2 a = side of the cube
6a^2 = 150
a^2 = 25
a = 5
A. The length of one edge of the cube
B. 4.5
So, quantity A is greater than quantity B

63. **A merchant made a profit of ₹ 275 on the sale price of a sweater that cost the merchant ₹ 1225.**

    A. The profit expressed as a percentage of the sale cost to the merchant

    B. The profit expressed as a percentage of the sale price.

    A. if quantity A is greater than quantity B

    B. if quantity B is greater than quantity A

    C. if quantities A and B are equal

    D. if comparison cannot be made

Answer: A

Explanation:

A merchant made a profit of ₹ 275 on the sale price of a sweater that cost the merchant ₹ 1225.

A.   The profit expressed as a percentage of the sale cost to the merchant

B.   The profit expressed as a percentage of the sale price

C.P = 1225

Profit = 275

Selling price = cost +

profitS.P = 1225 + 275

S.P. = 1500

A.   The profit expressed as a percentage of the sale cost to the merchant:

275/1225 = 22.44%

B.   The profit expressed as a percentage of the sale price:

275/1500 = 18.33%

So, quantity A is greater than quantity B

64. **There are 28 students in a class : all born in 1990.**

    A. The probability that all their birthdays are in February.

    B. The probability that all their birthdays fall on a Friday.

    A. if quantity A is greater than quantity B

B. if quantity B is greater than quantity A

C. if quantities A and B are equal

D. if comparison cannot be made

Answer: B

Explanation:
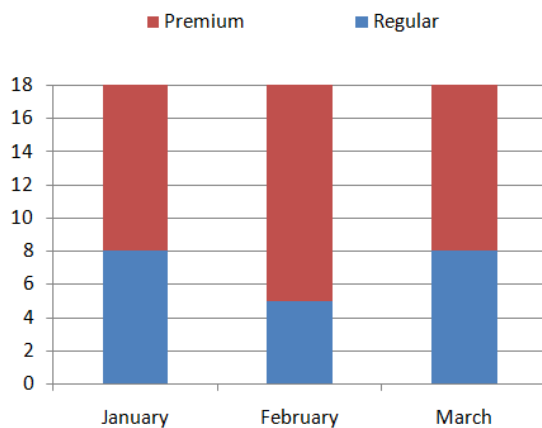
There are 28 students in a class : all born in 1990.

The probability that all their birthdays are in February. = 1/12

The probability that all their birthdays fall on a Friday. = 1/7

The chances that all will be born on a particular day of the week is thus higher than the chances of them all being born in the same month.

65. Based on the graph compare A and B.

Gasoline Sales

a. The percent change in premium sales from February to March.

b. The percent change in total sales from January to February.

A. if quantity A is greater than quantity B

B. if quantity B is greater than quantity A

C. if quantities A and B are equal

D. if comparison cannot be made

Answer: A

Explanation:

A. The percent change in premium sales from February to March.13 to 10 % change = 13 - 10 /13 = 3/13 = 23.07%

B. The percent change in total sales from January to February.: 18 to 18

So, 0% change

Hence, quantity A is greater than quantity B

Instructions

Study the information to answer these questions

In a city there are modes of transport available B, C, D, E and F for commuting. Out of the total number of commuters commuting daily in the city 17171 commute only by A. 7359 commute only `1! B and 22077 commute only by C. 14718 commute only by D, 4906 commute only by E and 7355 commute only by F. 26983 commute by C as well as A, 9812 commute by E as well as A, and 12265 commute by C as well as E daily. Assume that there is no overlap between the commuters of different modes tand their combination) of transport

66. The total number of commuters commuting by A from what percent of the total number ofcommuters commuting daily?

    A   22

    B   44

    C   14

    D   36

Answer: A

Explanation:
Total = 17171 + 7359 + 22077 + 17418 + 4906 + 7355 = 76286

Total number of commuters commuting by A from what percent of the total number of commuters commuting daily = 17171/76286 * 100 = 22.5%

67. What is the difference in percentage of commuters commuting by E and that of B and F takentogether?

    A   22

    B   25

    C   13

    D   10

Answer: C

Explanation:
B = 7355

F = 7359

B + F = 14714E = 4906

B+F = 14714/76186 = 19.3%

E = 4906/76186 = 6.4%

Difference = 19.3-6.4 = 13%

68. The total number of commuters commuting by D and B taken together from what percent of the totalnumber of commuters commuting daily?

    A   12

    B   6

    C   28

    D   16

Answer: C

Explanation:

B = 7359

D = 14718

B+D = 22077

The total number of commuters commuting by D and B taken together from what percent of the total number of commuters commuting daily?; 22077/76186 = 28%

69. A majority of the commuters in the city use

    A   A

    B   B

    C   C

    D   D

Answer: C

Explanation:

26983 commute by C as well as A, 9812 commute by E as well as A, and 12265 commute by C as well as Edaily.

People commute by C:

22077 + (26983-22077) + (12265-9812) = 29436

70. The number of commuters commuting by B, D, and F taken together from what percent of the totalnumber of commuters commuting daily by A, C and E taken together?

    A   44
    B   38

    C   43
    D   46

Answer: A

Explanation:

Number of commuters commuting by B, D, and F =7359 + 7355 + 14718 = 29432

Number of commuters commuting daily by A, C and E =17171 + 29432 + 9812 + 12265 = 66880

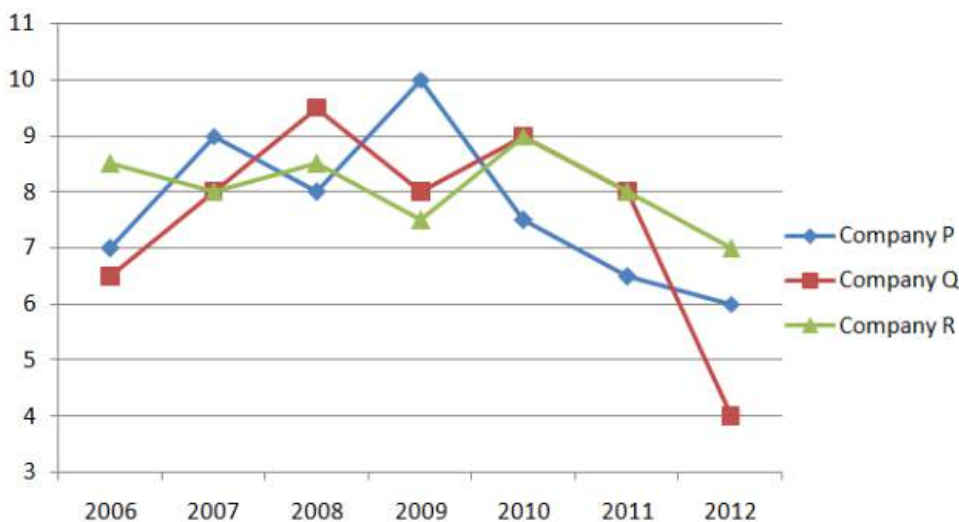% = 29432/66880 = 44%

Instructions

Study the following graph to answer these questions

Three different finance companies declare fixed annual rate of interest on the amount invested with them by investors. The rate of interest offered by these companies may differ from year to year depending on the variation in the economy of the country and the banks rate of interest. The annual rate of interest offered by the three companies P, Q, and R over the year are shown by the line-graph provided below.

Annual Rate of Interest Offered by three FinanceCompanies

Over the Years

71. **If two different amount in the ratio 8 : 9 are invested in companies P and Q respectively in 2012, thenthe amounts received after one year as interest from companies P and Q respectively are in the ratio**

  A. 2 : 3
  B. 3 : 4
  C. 6 : 7
  D. 4 : 3

Answer: D

Explanation:
Let the amounts invested in 2012 in Companies P and Q be Rs. 8 x and Rs. 9x respectively. Then, interest received after one year from Company P = 6% of 8x = 48/100 x
and interest received after one year from Company Q = 4%of 9x = 36/100x
Required ratio = 48x/100 : 36x/100 = 4 : 3

72. **In 2010, a part of ₹ 30 lakh was invested in company P and the rest was invested in companies Q and R for one year. The total interest, received was ₹ 2.43 lakh. What was the amount invested in**

company P?

A ₹ 7 lakh

B ₹ 8 lakh

C ₹ 18 lakh

D Cannot be determined

Answer: C

Explanation:
Let Rs. x lakhs be invested in Company P in 2010, the amount invested in Company Q in 2010 = Rs. (30 - x) lakhs.
Total interest received from the two Companies after 1 year = 2.43 =
= Rs. [(7.5% of x) + {9% of (30 - x)}] lakhs Solving for x, we get x = 18 lakhs

73. **An investor invested a sum of ₹ 12 lakh in company P in 2008. The total amount received after oneyear was reinvested in the same company for one more year. The total appreciation received by the investor on his investment was**

A. ₹ 282000
B. ₹ 296200
C. ₹ 216000
D. ₹ 225600

Answer: D

Explanation:
Amount received from Company P after one year (i.e., in 2009) on investing Rs. 12 lakhs in it Rs. [12 + (8% of 12)] lakhs = 12.96 lakhs
Amount received from Company P after one year on investing Rs. 12.96 lakhs in the year 2009:
= Rs. [12.96 + (10% of 12.96)] lakhs
= 14.256 lakhs
Appreciation received on investment during the period of two years
= Rs. (14.256 - 12) lakhs
= Rs. 2.256 lakhs
= Rs. 2,25,600.

74. **A sum of Rs. 4.75 lakhs was invested in Company Q in 2009 for one year. How much more interestwould have been earned if the sum was invested in Company P?**

A ₹ 19000

B ₹ 14250

C ₹11750

D ₹ 9500

Answer: D

Explanation:

Difference = Rs. [(10% of 4.75) - (8% of 4.75)] lakhs
= Rs. (2% of 4.75) lakhs
= Rs. 0.095 lakhs
= Rs. 95000

75. **An investor invested Rs. 5 lakhs in Company Q in 2006. After one year, the entire amount along withthe interest was transferred as investment to Company P in 2007 for one year. What amount will be received from Company P, by the investor?**

   A   Rs. 5,94,550

   B   Rs. 5,80,425

   C   Rs. 5,77,800

   D   Rs. 5,77,500

Answer: B

Explanation:

Amount received from Company Q after one year on investment of Rs. 5 lakhs in the year 2006

= Rs. [5 + (6.5% of 5)] lakhs
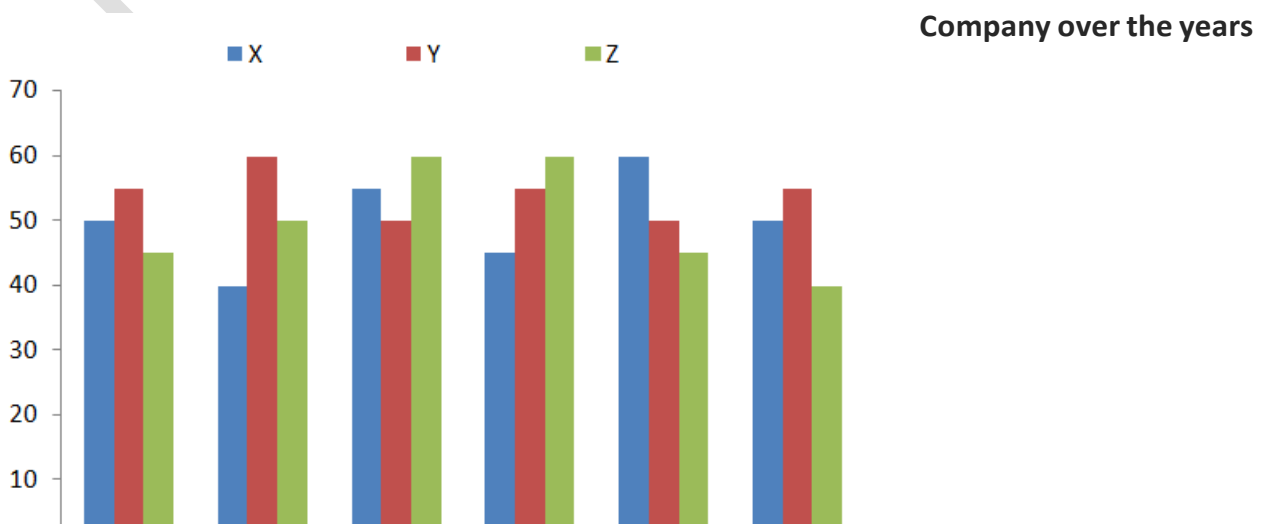
= Rs. 5.325 lakhs.

Amount received from Company P after one year on investment of Rs. 5.325 lakhs in the year 2007

= Rs. [5.325 + (9% of 5.325)] lakhs

= Rs. 5.80425 lakhs

= Rs. 5,80,425.

Instructions

Study the graph to answer these questions.
An ice-cream company prepare three different flavours X, Y, and Z. The production of the three flavours over a period of six years has been expressed in the bar graph provided below.

Company over the years

76. For which of the following years the percentage of rise/fall production from the previous year is the maximum for the flavour Y?

    A   2007 Decrease

    B   2008 Increase

    C   2009 Decrease

    D   2010 Increase

Answer: A

Explanation:
The percentage rise/fall in production from the previous year for flavor Y during various years are: In 2006 = 60-55/55 * 100 = 9.09 % increase
In 2007 = 60-50/60 * 100 = 16.67% decrease In 2008 = 55 - 50/50 *100 = 10% increase
In 2009 = 55-50/50 * 100 = 9.09% decrease
In 2010 = 55-50/50 * 100 = 10% increase
Therefore, Maximum change is decrease of 16.67% during 2007.

77. For which flavour was the average annual production maximum in the given period?

    A   For X

    B   For Y

    C   For Z

    D   Both for X and Y

Answer: B

Explanation:
Average annual productions over the given period for various flavours are: For Flavour X = [1/6 * (50+40+55+45+60+50)] = 50 lakh
For Flavour Y = [1/6 * (55+60+55+50+50+55)] = 54.17 lakh
For flavour Z = [1/6 * (45+50+60+60+45+40)= 50 lakh Maximum average production is for Flavour Y.

78. What is the difference between the average production of flavour X in 2005, 2006 and 2007 and theaverage production of flavour Y in 2008, 2009 and 2010?

  A. 500000
  B. 25000
  C. 240000
  D. 80000

Answer: A

Explanation:
Average production of flavour X in 2005, 2006 and 2007 = 1/3 * (50+40+55) = 145/3 lakh
Average production of flavour Y in 2008, 2009 and 2010 = 1/3 * (55+50+55) = 160/3 lakh
Difference = 160/3 - 145/3 = 15/3 = 5 lakh
= 500000

79. Which year shows the highest production of ice-cream?

    A   2005

    B   2007

    C   2009

    D   2010

Answer: B

Explanation:
2005 = 50+45+55 = 150

2006 = 40+60+50 = 150

2007 = 55+50+60 = 165

2008 = 45+55+60 = 160

2009 = 60+50+45 = 155

2010 = 55+50+40 = 145

2007 is the answer.

80. The total production of flavour Z in 2007 and 2008 is what percentage of the total production of flavour X in 2005 and 2006?

A. 130%
B. 3.33%
C. 33.33%
D. 133.33%

Answer: D

Explanation:
Required % = (60+60)/(50+40) * 100

= 120/90*100

= 133.33%

Study the Table to answer these questions.

The following table gives the number of candidates Appeared (App.) and Qualifies (Quali.) in ABC entrance examination from different zones (I - IV in different years from 2006 - 2011)

Zone	I		II		III		IV		V		VI	
Year	App.	Quali.	App.	Quali.	App.	Quali.	App.	Quali.	App.	Quali.	App.	Quali.
2006	2989	575	2490	530	2540	430	2534	440	1008	130	2698	498
2007	2438	590	2899	520	2384	470	2653	450	1103	160	2798	610
2008	7534	608	2840	532	2053	502	2234	480	1143	190	2848	580
2009	6524	650	3600	560	2143	510	2468	500	1198	220	3008	490
2010	8746	632	3608	544	2340	544	2549	560	1208	240	2948	560
2011	8429	648	5432	612	2230	588	2630	580	1203	238	3048	534

81. The qualifying percentage from zone V is maximum in which of the following years?

    A. 2010
    B. 2011
    C. 2009
    D. 2006

Answer: A

Explanation:

2006 = 130/1008 = 12.9

2007 = 160/1103 = 14.5

2008 = 190/1143 = 16.62

2009 = 220/1198 = 18.36

2010 = 240/1208 = 19.86

2011 = 238/1203 = 19.78

So, 2010 is the year for which zone V is maximum.

82. The total number of qualifying candidates in 2009 is what per cent less than that in 2011?

    A   8.21%

    B   9.89%

    C   6.89%

    D   8.43%

Answer: A

Explanation:
Total number of qualifying candidates in 2009 =650 + 560 + 510 + 500 + 220 + 490 = 2930

total number of qualifying candidates in 2011 =648 + 612 + 588 + 580+238+534 =3192

% required = 3192-2930/3192 = 262/3192 = 8.2%

83. **Ratio between boys and girls for qualified and for appeared from zone IV in 2009 are 7 : 3 and 3 : 2respectively. What is the approximate ratio between the boys qualified and girls appeared?**

    A   2 : 13

    B   2 : 5

    C   1 : 28

    D   1 : 50

Answer: B

Explanation:
2009: Appeared

Boys = 7/10 * 2468 = 1728

Girls = 3/10*2468 =

740Qualified

Boys = 3/5 * 500 = 300Girls = 2/5*500 = 200

Ratio required = 300/740 = 0.4

2/5 approx

84. **In which of the following zones is there a continuous increase in the number of students appearedas well as qualified over the years?**

    A   Zone II

    B   Zone III

    C   Zone IV

    D   None of these

Answer: D

Explanation:
Zone 1: not continuous increase Zone 2: not continuous increase Zone 3:not continuous increase Zone 4:not continuous increase Zone 5:not continuous increase Zone 6:not continuous increase
Not in any zones their is continuous increase.

85. **The number of students appeared from zone V in 2008 and 2011 together is approximately what**

percent less than that from zone II in 2007 and 2010 together?

 A 63.5%

 B 50.2%

 C 55.6%

 D 60%

Answer: A

Explanation:
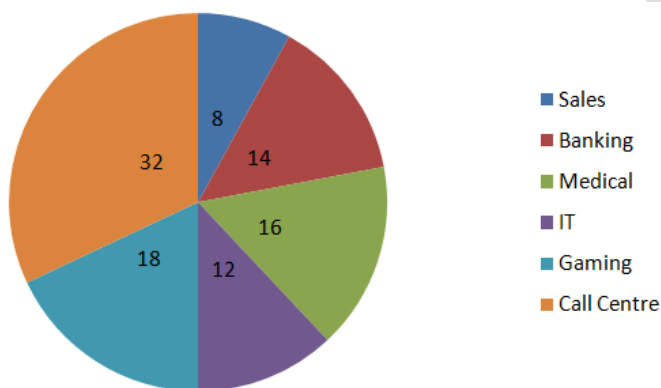Number of students appeared from zone V in 2008 and 2011 together = 1143 + 1203 = 2346
Number of students appeared from zone II in 2007 and 2010 together = 2899 + 3608 = 6507
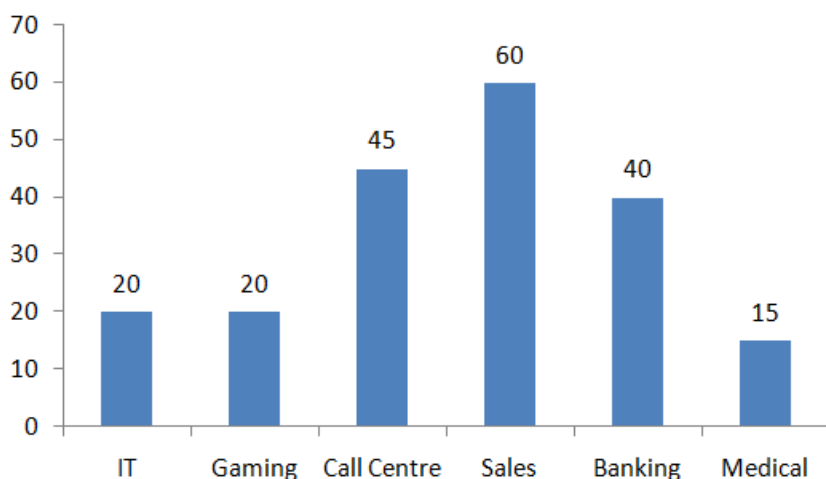% required = 6507-2346/6507 = 63.55%

Instructions

Study The following graphs to answer these questions.

The following piechart gives the percentage of adults from various industries working in night shifts. The bar graph shows the percentage of famales from these industries working in night shifts. Total number of people = 40250

In percentage

86. What is the approximate average number of females working in night shifts in all the industries?

    A   2227

    B   4481

    C   3326

    D   2523

Answer: A

Explanation:

Total number of female employee = [12% of 20% of 40250 + 18% of 20% of 40250 + 32% of 40% of 40250 +

8% of 60% of 40250 +14% of 40% of 40250 +16% of 10% of 40250]/6

Total number of female employee = 13363

Required average number of females =

13363/6

= 2227.16

87. The number of females working in night shifts the gaming industry is what per cent of the totalnumber of people working in the night shifts from all the industries taken together?

    A   5.6

    B   3.6

    C   3.2

    D   4.4

Answer: B

Explanation:

Female workers in Gaming = 18% of 20% of 40250 = 1449

% required = [Female workers in Gaming / Total no of people working in night shifts from all industries]*100

= [1449/40250] *10

= 3.6%

88. What is the difference in percentage of males and females working in night shifts in theseindustries?

    A   33.2

    B   23.8

C   33.6

D   None of the above

Answer: C

Explanation:

Total number of female workers = 13363

Total number of male workers = 40250 - 13363 = 26887

Difference between male & female workers = 27853 - 13363 = 13524

% required = {Difference between male & female workers/Total workers]*100

% required = 13524/40250 * 100

= 33.6%

89. If the number of females working in night shifts in banking were 3206, while the number of females in rest of the industries remained unchanged, the new percentage of females working in night shiftswill be__. (assume that the total number of people working in night shifts remains constant)

A   31.56%

B   33.72%

C   23.82%

D   Cannot be determined

Answer: A

Explanation:

Female workers in Marketing = 14% of 40% of 40250 =

2254According to question, Female workers in Marketing =

3206 Difference = 952

After Increment, no of females = Total number of female workers + 952 = 13663

Total number of female workers = 13663-952

= 12711

% required = 12711/40250 * 100

= 31.58%

90. Percentage of males working in night shifts is lowest in which of the following industries?

A   Sales

B   IT and Medical

C   Banking

D   Gaming

Answer: A

Explanation:

Sales = 8% of 40% of 40250 = 1288

IT = 12% of 80% of 40250 = 3864

Marketing = 14% of 60% of 40250 = 3381

Gaming = 18% of 80% of 40250 = 5796

So, Sales is the industry in which percentage of males working in night shifts is lowest.

Intelligence & Critical Reasoning

Instructions

Read the following information to answer these questions.
There are six students J, K, L, M, N and O. J and K belong to priya palace and the rest belong to Nisha palace. M and O are tall while other students are short. J, L and M' are identified by wearing jeans while others are wearing caps.

91. Which two students are not wearing jeans and are short?

    A   L and N

    B   K and N

    C   J and N

    D   K and O

Answer: B

Explanation:
J Priya Palace Short Jeans K Priya Palace Short Cap
L Nisha Palace Short Jeans M Nisha Palace Tall Jeans N Nisha Palace Short Cap O Nisha Palace Tall Cap
So, the answer would be option b) K and N

92. Which short student of Nisha Palace is wearing a cap?

    A. O
    B. L
    C. M
    D. N

Answer: D

93. **Which tall student of Nisha Palace is wearing jeans?**

   A   O

   B   N

   C   M

   D   L

Answer: C

Explanation:
J Priya Palace Short Jeans K Priya Palace Short Cap
L Nisha Palace Short Jeans M Nisha Palace Tall Jeans N Nisha Palace Short Cap O Nisha Palace Tall Cap
So, the answer would be option c) M

Instructions

Read the following information to answer these questions.
There are six employees sitting in a competitive examination, namely K, L, M, N, O and P. K and L are from Dehradun while M, N, O and P are from Mangalore. N and P are tall while rest are short. L, O and P are males while rest of them are females.

94. **Who is the tall female from Mangalore?**

   A   M

   B   P

   C   O
   D   N

Answer: D

Explanation:
K Dehradun Short Female L Dehradun Short Male
M Manglore Short Female N Manglore Tall Female O Manglore Short Male
P Dehradun Tall Male
So, the answer would be option d)N

95. **Who is the short female from Dehradun?**

   A   M

   B   L

C   K

D   N

Answer: C

Explanation:
K Dehradun Short Female L Dehradun Short Male
M Manglore Short Female N Manglore Tall Female O Manglore Short Male
P Dehradun Tall Male
So, the answer would be option c)K

96. Who is the tall male from Mangalore?

A   O
B   P
C   M

D   N

Answer: B

Explanation:
K Dehradun Short Female L Dehradun Short Male
M Manglore Short Female N Manglore Tall Female O Manglore Short Male
P Dehradun Tall Male
So, the answer would be option b)P.

Instructions

Read the following information to answer these questions.

There are six books/volumes kept in a steel rack/shelf and are labelled as L, M, N, O, P and Q. M, P, N and Q have blue covers while others have red covers. L, M and O are new volumes while the rest are old volumes. L, M and N are law books while the rest are engineering books.

97. Which two volumes are old engineering books having blue covers?

A   P and N

B   P and O

C   P and Q

D   Q and L

Answer: C

Explanation:
L Red New Law M Blue New Law N Blue Old Law O Red New Engg P Blue Old Engg Q Blue Old Engg
So, the answer would be option c) P and Q

98. Which new volumes engineering book has a red cover?

  A   L

  B   O

  C   Q

  D   P

Answer: B

Explanation:
L Red New Law M Blue New Law N Blue Old Law O Red New Engg P Blue Old Engg Q Blue Old Engg
So, the answer would be option b) O

99. Which new volume law book has a blue cover?

  A   P

  B   N

  C   L

  D   M

Answer: D

Explanation:
L Red New Law M Blue New Law N Blue Old Law O Red New Engg P Blue Old Engg Q Blue Old Engg
So, the answer would be option d)M

Instructions
Read the following information to answer these questions.
Ramesh, Kailash, Avinash and Jagan are good friends studying in a school. Three of them stay away from the school and one stays nearer to it. Two study in class IV, one in class V and one in class VI. They study Hindi, Maths, Social Science and Science. One of these four friends is good at all the four subjects while another is weak in all the four subjects. Ramesh stays away from the school and is good at Maths only
while Kailash is weak in Maths only and stays close to the school. Neither of these two study in class V or VI. One who is good at all the subjects is studying in class V. Avinash is not studying in class VI.
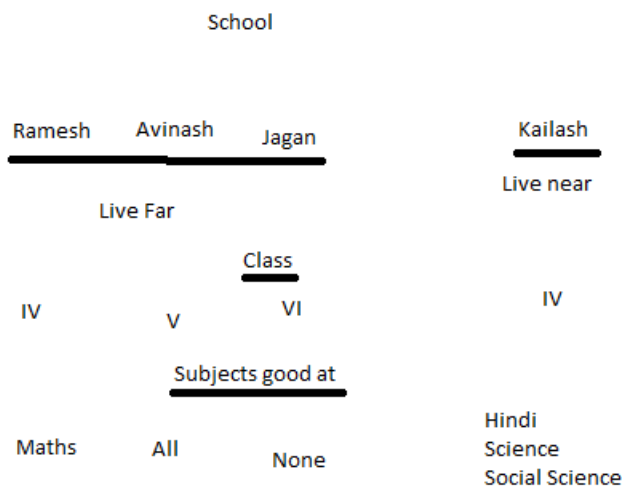
100.   Name the boy who is good at all the subjects

  A   Kailash

  B   Jagan

  C   Avinash

  D   Ramesh

Answer: C

Explanation:

Decode all the information and represent them in a diagram.

School

Ramesh	Avinash	Jagan	Kailash

Live Far

Live near

Class

IV	V	VI	IV

Subjects good at

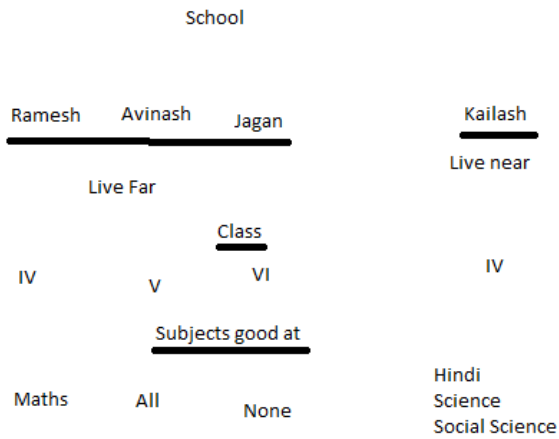| Maths	All	None	Hindi Science Social Science

So, the answer would be option c)Ramesh

101. **Name the boy who is weak in all the subjects.**

A Ramesh

B Kailash

C Jagan

D Avinash

Answer: C

Explanation:

Decode all the information and represent them in a diagram.
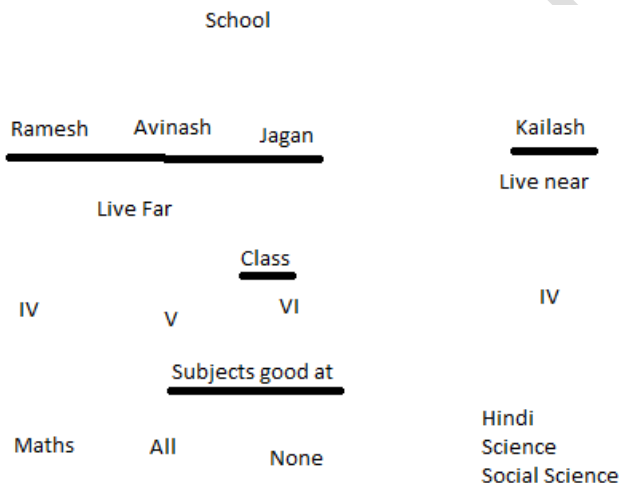
So, the answer would be option c)Jagan.

102.   Which two boys are good at Mathematics?

A. Jagan and Kailash
B. Kailash and Avinash
C. Ramesh and Avinash
D. Ramesh and Jagan

Answer: C

Explanation:

Decode all the information and represent them in a diagram.

So, the answer would be option c)Ramesh and Avinash

Instructions

Read the following information to answer these questions.

Five friends namely Kapil, Govind, Hans, Raju and Jitu have very good characteristics and are being considered for various awards. Govind, Kapil and Hans are sincere. Kapil, Raju and Jitu are very brave. Raju, Hans and Jitu are very truthful. Kapil, Govind and Jitu are courteous.

103.   Which combination of friends is 'Courteous' but not `Brave'?

A   Govind and Kapil

B   Jitu and Hans

C   Hans and Raju

D   None of these

Answer: D

Explanation:

Sincere - Govind, Kapil and Hans

Brave - Kapil, Raju and Jitu

Truthful - Raju, Hans and Jitu

Courteous - Kapil, Govind and

JituThere is no such pair.

So, the answer would be option d)None of these

104.   **Which of the following persons is 'Courteous' but neither Truthful'nor 'Brave'?**

A   Hans

B   Raju

C   Kapil

D   Govind

Answer: D

Explanation:

Sincere - Govind, Kapil and Hans

Brave - Kapil, Raju and Jitu

Truthful - Raju, Hans and Jitu

Courteous - Kapil, **Govind** and

Jitu

Govind is Courteous and sincere but neither Truthful nor Brave.

So, the answer would be option d)Govind

105.   **Which of the following persons is neither `Courteous' nor 'Brave'?**

A   Kapil

B   Govind

C   Hans

D   Raju

Answer: C

Explanation:

Sincere - Govind, Kapil and

Hans Brave - Kapil, Raju and Jitu

Truthful - Raju, **Hans** and Jitu

Courteous - Kapil, Govind and

Jitu

Hans is Sincere and Truthful , neither Courteous nor

Brave.So, the answer would be option c)Hans

Instructions

Each of these questions has a statement followed by two Conclusions I and II. Consider the statement and the following conclusions. Decide which of the conclusions follows from the statement.

106.   **Statement Parents are prepared to pay any price for an elite education to their children.Conclusions**

a.   **All parents these days are very well off.**

b.   **Parents have an obsessive passion for a perfect development of their children through good schooling**

A   if Conclusion I follows

B   if Conclusion II follows

C   if either Conclusion I or II follows

D   if neither Conclusion I nor II follows

Answer: D

Explanation:

Statement Parents are prepared to pay any price for an elite education to their children.

Conclusions

I.   All parents these days are very well off. - It is not necessary that all parents are elite. There are parents who take loans for education of their children.

II.   Parents have an obsessive passion for a perfect development of their children through good schooling. - Obsession is an exaggerated word.

So, the answer would be option d)Neither Conclusion I nor II follows

107. **Statement I know nothing except the fact of my ignorance.,,Conclusions**

a. **Writer 's knowledge is very poor.**

b. **The world of knowledge is too vast to be explored by a single person.**

A if Conclusion I follows

B if Conclusion II follows

C if either Conclusion I or II follows

D if neither Conclusion I nor II follows

Answer: B

Explanation:

Statement I know nothing except the fact of my ignorance.,,

Conclusions

I.   Writer 's knowledge is very poor. - Writer's knowledge can not be judged by the given statement.

II.   The world of knowledge is too vast to be explored by a single person. - It is a quote given by the Greek philosopher Socrates which implies that knowledge of world is too vast to be explored by a single person.

So, the answer would be option b)if Conclusion II follows

108.   **Statement: Quality has a price tag. India is allocating lots of funds to education.**

Conclusions:

a. **Quality of education in India would improve soon.**

b. **Funding alone can enhance quality of education.**

A if Conclusion I follows

B if Conclusion II follows

C if either Conclusion I or II follows

D if neither Conclusion I nor II follows

Answer: A

Explanation:

Statement Quality has a price tag. India is allocating lots of funds to education.

Conclusions

Quality of education in India would improve soon. - Since govt. is allocating funds for education , measures will be taken to improve the quality of education.

Funding alone can enhance quality of education. - Funding is not the only way to improve quality of education.

So, the answer would be option a)if Conclusion I follows

Instructions

In each of these questions, two Statements I and II are given. These may have a cause and effect relationship or may have independent causes or be the effects of independent causes.

109.   Statements

- International Agency for Research on Cancer (IARC) — an arm of the world health organisation (WHO) — will meet in France to take a call on bitumen, the black, oily material used to make roads — to be branded as `probably carcenogenic, i.e., causing cancer to humans.
- IARC has asked experts from across the globe to submit data from their research studiesconducted on bitumen so as to help it to come to some conclusion.

    A. if Statement I is the cause and Statement II is its effect

    B. if Statement II is the cause and Statement I is its effect

    C. if both the Statements I and II are effects of independent causes

    D. if both the Statements I and II are effects of some common cause

Answer: D

Explanation:

IARC is taking measures to check health hazards created by bitumen. Both the actions may have been taken because of some survey or research results.

So, the answer would be option d)if both the Statements I and II are effects of some common cause

110.   Statements

- In a survey conducted recently in America, almost 70% of Americans said they find it easier to carefor their cars than their personal health. 40% of them said they would be more likely to address their issues with their car than their health
- Based on the above survey, the national campaign network for men 's health launched this awareness through Abbott Laboratories to encourage men to visit their doctors more often to enjoy better health.

    A. if Statement I is the cause and Statement II is its effect

    B. if Statement II is the cause and Statement I is its effect

    C. if both the Statements I and II are effects of independent causes

    D. if both the Statements I and II are effects of some common cause

Answer: A

Explanation:
The results of survey triggered national campaign network for men 's health to launch awareness program through Abbott Laboratories.
So, the answer is option a)if Statement I is the cause and Statement II is its effect

111. Statements

- The local co-operative credit society has decided to stop giving loans to farmers with immediate effect.
- A large number of credit society members have withdrawn major parts of their deposits from the credit society.

   A. if Statement I is the cause and Statement II is its effect

   B. if Statement II is the cause and Statement I is its effect

   C. if both the Statements I and II are effects of independent causes

   D. if both the Statements I and II are effects of some common cause

Answer: B

Explanation:
Since most of the deposits are withdrawn by members of the society , there will be shortage of cash deposits , which is why credit society has decided to stop giving loans to farmers with immediate effect. So, the answer would be option b)if Statement II is the cause and Statement I is its effect.

Instructions

Each of these questions consists of a pair of words bearing a relationship. From amongst the alternatives, choose the pair that best illustrates a similar relationship.

112. VALUELESS : INVALUABLE

   A   Costly : Cut-rate

   B   Miserly : Philanthropic

   C   Frugality : Wealth

   D   Thriftiness : Cheap

Answer: B

Explanation:
VALUELESS is opposite of INVALUABLE , similarly Miserly is opposite of Philanthropic. So, the answer would be option b)Miserly : Philanthropic

113. PATRIOTISM : CITIZENS

   A   Morality : Truthfulness
   B   Character: Values
   C   Concentration : Students
   D   Homage : Martyrs

Answer: C

Explanation:

Patriotism is a quality which Citizens should have, Similarly, Concentration is a quality which students should have.

114. **TRAVELLER : DESTINATION**

A Beggar : Donation

B Accident : Hospital

C Teacher : Education

D Refugee : Shelter

Answer: D

Explanation:

Traveller keeps going towards destination , while refugee goes to shelter.

So, the answer would be option d)Refugee : Shelter

115. **HORSE : EQUINE**

A Lion : Carnivorous

B Cat : Feline

C Table : Furniture

D Dog : Vulpine

Answer: B

Explanation:

Horse belongs to Equine family , similarly cat belongs to feline family.

So, the answer would be option b)Cat : Feline

Instructions

Complete the series by replacing the '?' mark

116. **OAC, PBD, QCE, RDF, ?**

A SGH

B SHI

C SEG

D SIJ

Answer: C

Explanation:

In the given series, OAC, PBD, QCE, RDF, ?

1st, 2nd and 3rd letters in each term are a series of letters as per alphabetical order. Similarly, next term would be SEG

117.   **ABCD, BCDA, CDAB, ?, ABCD**

A BADC

B DABC

C DBAC

D DACB

Answer: B

Explanation:

In the given series, ABCD, BCDA, CDAB, ?, ABCD

We can observe that subsequent term is formed by moving the first letter of previous term to last

position. Therefore, Missing term would be DABC

118.   **AMV, BNW, COX, ?, EQZ**

A DMO

B DPY

C DYP

D DLZ

Answer: B

Explanation:

In the given series, AMV, BNW, COX, ?, EQZ

first letter in each term is A,B,C,.. Therefore next letter is D

Second letter in each term is M,N,O,.. Therefore next letter is

PThird letter in each term is V,W,X,.. Therefore next letter is Y

Therefore, missing term is DPY

119.   **BCD, BDC, CBD, ?, DCB**

A CDB

B CCD

C CDE

D DCB

Answer: A

Explanation:

The pattern is :

B -> CD ,

DC C   ->

BD , DBD

-> CB , BC

So, the answer would be option a)CDB

120.   **XYZ, XZY, YZX, ?, ZXY**

A XZZ

B YXZ

C YZW

D ZYX

Answer: B

Explanation:
XYZ, XZY, YZX, ?, ZXY

The pattern is :

X -> YZ ,

ZYY -> ZX

, XZ Z ->

XY , YX

So, the answer would be option b)YXZ

Economic & Business Environment

121. **Which among the following is/are correct about participatory notes or P-Notes?**

A They are derivative instruments

B They are used by Foreign Institutional Investors (FIIs) who are not registered with SEBI.

C They are used on Indian shares but at a location outside India

D All of the above

Answer: D

122. **The Supreme Court of India in its judgment in September, 2013 in Writ Petition (C) No. has directed that the Election Commission of India to have a "None of the Above" (NOTA) option on the ballot papers and EVMs.**

A 161 of 2004

B 121 of 2008

C 47 of 2005

D 71 of 2009

Answer: A

123. **Which of the following is/are the key objectives of the Rashtriya Uchchatar Shiksha Abhiyan (RUSA),the flagship program of the Government of India for higher education**

A. To improve access, equity and quality in higher education through planned development of higher education at the state leve

B. It is proposed to improve the Gross Enrolment Ratio from 19% at present to 30% by 2020

C. It will help create new academic institutions, and expand the existing institutions, that are self-reliant in terms of quality education and professional management.

D. All of the above

Answer: D

124. **The Government of India has recently approved the constitution of the 7th Pay Commission toimplement its recommendations to revise the salary and pension, of its staff from**

A January 2014

B January 2016

C January 2015

D January 2017

Answer: C

125.   **How much gross budgetary support is approved by the Cabinet Committee on Economic Affairs forimplementation of the National AIDS Control Programme Phase-IV by the Department of AIDS Control, Ministry of Health and Family Welfare, GoI?**

A ₹ 8632.77 crore

B ₹ 7512.31 crore

C ₹ 9131.47 crore

D ₹ 6789.73 crore

Answer: A

126.   **Which of the following is/are the salient feature(s) of the National Food Security Bill?**

 A. 75% of rural and 50% of the urban population entitled to 5 kg of rice, wheat and coarse grains at ₹ 3, ₹ 2, ₹ 1 per kg respectively per month

 B. Pregnant women and lactating mothers entitled to nutritious meals and maternity benefit of atleast ₹ 6000 for six months

 C. Central Government will provide funds to states in case of food grain short supply and will protect the current allocation to states

 D. All of the above

Answer: D

127.   **Who among the following has won the gold medal in the men,s single sculls at the Asian SeniorRowing Championships in China in 2013?**

 A. Bajrang Lal Takhar
 B. Swam Singh Virk
 C. Robin P Ulahannan
 D. Mohammed Ahmed

Answer: B

128. Which one of the following states has been recently awarded by the Government of India as best state in implementing the Maintenance and Welfare of Parents and Senior Citizens (MWPSC) Act,2007 for providing services and facilities to senior citizens?

A Madhya Pradesh

B Kerala

C Himachal Pradesh

D Manipur

Answer: A

129. Which among the following multinational companies is the world's most valuable brand of 2013 asper Interbrand's Best Global Brands report?

A Google

B Microsoft

C Walmart

D Apple

Answer: D

130. How much was the total dividend paid by NTPC Ltd at 57.5% of its paid-up capital for the financialyear 2012-2013?

A ₹ 1649.09 crore

B ₹ 4741.00 crore

C ₹ 2135.17 crore

D ₹ 3351.56 crore

Answer: B

131. In which sport/game has Nikhat Zareen won the silver medal for India at the Youth WorldChampionships in 2013?

A Boxing

B Badminton

C Tennis

D Judo

Answer: A

132. **Which among the following banks celebrated its Platinum Jubilee in October 2013?**

  A. Yes Bank
  B. ICICI Bank
  C. J&K Bank
  D. HDFC Bank

Answer: C

133. **Which one of the following companies has launched its flagship smart phone G2 in September 2013in India?**

A Lenovo

B Sony

C Apple

D LG

Answer: D

134. **Who among the following athletes created a new marathon world record in the Berlin marathon heldin September 2013?**

  A. Eliud Kipchoge

  B Wilson Kipsang

  C. Patrick Makau

  D. Haile Gebreselassie

Answer: B

135. **'Nirmal Bharat Abhiyan' (NBA) is an initiative of the**

A Ministry of Drinking Water and Sanitation, GoI

B Ministry of Minority Affairs, GoI

C Ministry of Information and Broadcasting, GoI

D Ministry of Helth & Family Welfare, GoI

Answer: A

136. **Which among the following countries faced the first Government shutdown in seventeen years inOctober 2013?**

A USA

B UK

C France

D Germany

Answer: A

137. **Archaeological Survey of India and ..... jointly launches in October 2013, a unique initiative to take India's heritage sites online.**

A Google

B MSN

C Yahoo

D Bing

Answer: A

138. **The 11th India-ASEAN Summit and the 8th East Asian Summit took place in October 2013 at**

A Indonesia

B Brunei

C Malaysia

D Vietnam

Answer: B

139. **Who has won the men's singles title of the US open Grand Slam tennis 2013?**

A Andy Murray

B Novak Djokovic

C Rafael Nadal

D JM Del Potro

Answer: C

140. The Gross Direct Tax collections in india during April-September of the FY. 2013-2014 is up by ....
and stood at ₹ 301250 crore.

A 7.55%

B 8.15%

C 10.66%

D 13.25%

Answer: C

141. India and……. have signed an MoU in October 2013 to undertake a joint feasibility study of a High
Speed Railway System on the Mumbai-Ahmedabad route.

A Korea

B Germany

C China

D Japan

Answer: D

142. As per the latest report of the Ministry of Corporate Affairs, Gol, how many
companies are in theofficial Registry as on 31st August 2013?

A 13.45 lakh

B 8.99 lakh

C 2.57 lakh

D 10.15 lakh

Answer: A

143. Who among the following has been inducted into the prestigious National Academy of
Engineering,United States for his contribution to industrial development in India and the world?

A Azim H Premji

B E Sreedharan

C Chandra Shekar

D Ratan Tata

Answer: D

144. **Which among the following countries has started Import of power (electricity) from India in October2013?**

A Sri Lanka

B Bhutan

C Bangladesh

D Myanmar

Answer: C

145. **Which of the following Oceanographic Research Vessels has been dedicated to the nation by theGovernment of India in October 2013?**

A INS Ranvijay

B RV Samudra Ratnakar

C INS Jalashwa

D MV Bingo

Answer: B

146. **Which among the following is the top Internet Service Provider (ISP) in India in terms of marketshare (based on subscriber base) with 9.97 million?**

A MTNL

B Bharti Airtel

C BSNL

D Hathway

Answer: C

147. **Francois Englert and Peter W Higgs have been awarded the Nobel Prize 2013 in the field of**

A Medicine

B Literature

C Economics

D Physics

Answer: D

148.   Who among the following has won the 'Sakharov Human Rights Prize 2013'given by the EuropeanUnion (EU)?

A Malala Yousafzai

B Nelson Mandela

C Kofi Annan

D MS Swami Nathan

Answer: A

149.   The BRIGS Finance Ministers 'and Central Bank Governors 'meeting took place in October 2013 at

A Washington

B Delhi

C Moscow

D Rio de Janeiro

Answer: A

150.   As per the latest telecom subscription data (July 2013) released by TRAI, BSNL and MTNL, the twoPSIJ operators hold of the wireless market share (based on subscriber base).

A 11.70%

B 88.30%

C 43.17%

D 69.14%

Answer: A