



SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

IBPS PO Mains 2014

(1-5) :

Study the following information to answer the given questions.

Eight people - A, B, C, D, E, F, G and H are sitting around a circular table facing the centre, not necessarily in the same order. Three people are sitting between A and D. B is sitting second to the right of A. C is sitting to the immediate right of F. D is not an immediate neighbour of either F or E. H is not an immediate neighbour of B.

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Q1. What is E's position with respect to G ?

- (1) Third to the left
- (2) Second to the right
- (3) Third to the right
- (4) Second to the left
- (5) Fifth to the right

Q2. Four of the following five are alike in a certain way based on their seating positions in the above arrangement and so form a group. Which one **does not** belong to the group ?

- (1) GE
- (2) DC
- (3) AF
- (4) AB
- (5) CE

Q3. Who is sitting third to the right of the one who is sitting to the immediate right of H ?

- (1) A
- (2) B
- (3) E
- (4) C
- (5) G

Q4. Which of the following is **true** regarding the given arrangement ?

- (1) E is second to the left of C
- (2) B is an immediate neighbour of G
- (3) H is an immediate neighbour of A
- (4) D is not an immediate neighbour of H
- (5) None is true



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Q5. How many people are sitting between H and A when counted from the right side of H ?

- (1) Three
- (2) None
- (3) More than three
- (4) One
- (5) Two

\$\$\$ (6-10) :

In each of the questions below, two statements to be true even if they seem to be at variance from the commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding the commonly known facts.

Give answer:

- (1) If **only** conclusion **I** follows
- (2) If **only** conclusion **II** follows
- (3) If **either** conclusion **I or II** follows
- (4) If **neither** conclusion **I nor II** follows
- (5) If **both** conclusions **I and II** follow

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Q6. **Statements:** Some forms are cards. Some forms are papers.

Conclusions:I. Atleast some cards are forms.II. Atleast some cards are papers.

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

Q7. **Statements :** All animals are predators. All predators are tigers.

Conclusions :I. All tigers are definitely predators.II. All animals are tigers.

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

Q8. **Statements:** All squares are circles. No circle is a triangle.

Conclusions:I. No square is a triangle. .II. All circles are squares.

- (1) 1
- (2) 2
- (3) 3



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- (4) 4
- (5) 5

Q9. **Statements :** All bricks are walls. Some bricks are pillars.

Conclusions:I. Some pillars are walls.II. All pillars are walls.

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

Q10. **Statements :** No place is a tank. Some places are venues.

Conclusions:I. Some venues are tanks.II. All places are venues.

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

\$\$\$ (11-15) :

Study the following information to answer the given questions. Seven plays A, B, C, D, E, F and G are to be held on seven consecutive days (starting on Monday and ending on Sunday) not necessarily in the same order. Only one play can be held on one day. Only two plays will be held after play G. Only two plays will be held between play F and play G. Only three plays will be held between play B and play E. Play B will not be held on Sunday. Play A will be held before play D and play C (not necessarily immediately before). Play C will be held after play D (not necessarily immediately after).

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Q11. Play D will be held on which day ?

- (1) Monday
- (2) Tuesday
- (3) Wednesday
- (4) Thursday
- (5) Saturday

Q12. Which play will be held immediately after play C ?

- (1) Play E
- (2) Play F
- (3) Play B



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(5) 5

Q17. **Statements:** $W \leq X < Y = Z > A$; $W < B$

Conclusions: I. $B > Z$ II. $W < A$

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

Q18. **Statements :** $H > I > J > K$; $L < M < K$

Conclusions : I. $I > M$ II. $L < H$

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

Q19. **Statements :** $C < D < E$; $D > F \geq G$

Conclusions : I. $C \geq G$ II. $F > E$

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

Q20. **Statements :** $R > S \geq T \geq U$; $V < T$

Conclusions : I. $V \geq U$ II. $V < R$

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

\$\$\$ (21-25) :

Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and:

Give answer:



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- (1) If the data in statement **I alone** are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
 - (2) If the data in statement **II alone** are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
 - (3) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
 - (4) If the data even in both statement I and II together are **not** sufficient to answer the question.
 - (5) If the data in both statements I and II **together** are necessary to answer the question.
- \$\$\$

Q21. Which bag amongst P, Q, R, S and T is the heaviest ?

I. Bag Q is heavier than R and S. Bag T is heavier only than bag P.

II. Only three bags are lighter than R. The weight of bag Q is 50 kg which is 2 kg more than bag R.

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

Q22. Are all the five friends viz. A, B, C, D and E who are seated around a circular table facing the centre ?

I. A sits third to the left of B. B faces the centre. D and E are immediate neighbours of each other. C sits second to right of E.

II. D sits second to right of C. C faces the centre. Both E and A are immediate neighbours of D. B sits second to right of A.

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

Q23. In a college five different subjects, viz. Physics, Chemistry, Botany, Zoology and Mathematics are taught on five different days of the same week, starting from Monday and ending on Friday. Is Chemistry taught on Wednesday ?

I. Two subjects are taught between Zoology and Mathematics. Mathematics is taught before Zoology. Chemistry is taught on the day immediately next to the day when Physics is taught. Botany is not taught on Friday.

II. Three lectures are scheduled between the lectures of Botany and Zoology. Mathematics is taught immediately before Physics.

- (1) 1
- (2) 2
- (3) 3



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- (4) 4
- (5) 5

Q24. Is the time in the clock 9 O'clock now ?

I. After half an hour, the minute and the hour hands of the clock will make an angle of exactly 90° with each other.

II. Exactly 15 minutes back, the hour and the minute's hand of the clock coincided with each other.

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

Q25. Is F the grand daughter of B?

I. B is the father of M. M is the sister of T. T is the mother of F.

II. S is the son of F. V is the daughter of F. R is the brother of T.

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

\$\$\$ (26-28) :

Study the following information to answer the given questions :

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement. (All the numbers are two-digit numbers and are arranged as per some logic based on the value of the number.)

Input : win 56 32 93 bat for 46 him 28 11 give chance

Step I : 93 56 32 bat for 46 him 28 11 give chance win

Step II : 11 93 56 32 bat for 46 28 give chance win him

Step III : 56 11 93 32 bat for 46 28 chance win him give

Step IV : 28 56 11 93 32 bat 46 chance win him give for

Step V : 46 28 56 11 93 32 bat win him give for chance

Step VI: 32 46 28 56 11 93 win him give for chance bat

and Step VI is the last step of the arrangement of the above input as the intended arrangement is obtained.

As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input.

Input: run 89 at the 28 16 base camp 35 53 here 68

(All the numbers given in the arrangement are two-digit numbers).



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Q26. Which of the following would be the Step II ?

- (1) 89 fun at 28 16 base camp 35 53 here 68 the
- (2) 35 53 28 68 16 89 the here fun camp base at
- (3) 16 89 at run 28 camp base 35 53 68 the here
- (4) 53 28 68 16 89 35 the here fun camp base at
- (5) None of the above

Q27. Which word/number would be at 7th position from the left in Step IV ?

- (1) base
- (2) at
- (3) 35
- (4) the
- (5) 53

Q28. Which step number would be the following output ?

53 28 68 16 89 at 35 the here fun camp base

- (1) III
- (2) There will be no such step
- (3) II
- (4) V
- (5) IV

\$\$\$ (29-32):

Study the following information and the sentences (A), (B), (C), (D) and (E) given below it carefully and answer the questions which follow.

A host of foreign companies are in talks with the Indian government for selling B 150, a tough, short haul plane ideal for connectivity of smaller towns which is lacking in India at present.

(A) B 150 planes not only have low operating costs than competing planes like Cezana but also a much better track record in terms of safety and efficiency.

(B) The profit margin of road transport operators in the smaller towns connected by B 150 planes has been reduced substantially as a majority of people prefer air transport over other means of transport.

(C) Smaller towns, at present, are better connected by roads and railways as compared to flight services.

(D) B 150 planes are capable of operating in sectors where large airlines cannot fly due to challenging conditions such as mist, short runways, etc. Such planes can also double up as cargo planes and charter flights for the rich and the elite.

(E) B 150 planes need to operate in the existing airports which are situated in bigger cities only and are poorly connected to the smaller cities.

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Q29. Which of the statements (A), (B), (C), (D) and (E) can be **inferred** from the facts/ information given in the statement ?

(An **inference** is something which is not directly stated but can be inferred from the given facts.)

- (1) Only A
- (2) Only B
- (3) Only C
- (4) Both B and D
- (5) Only E

Q30. Which of the statements (A), (B), (C), (D) and (E) mentioned above would **weaken** the offer made by the foreign companies for selling B 150 planes to Indian government ?

- (1) A
- (2) B
- (3) C
- (4) D
- (5) B

Q31. Which of the statements (A), (B), (C), (D) and (E) mentioned above represents a possible **consequence** of the success of B 150 planes in smaller cities ?

- (1) A
- (2) B
- (3) C
- (4) D
- (5) E

Q32. Which of the statements (A), (B), (C), (D) and (E) would **favour** the foreign companies bid to sell B 150 planes in India ?

- (1) Only A
- (2) Only B
- (3) Both B and C
- (4) Both A and D
- (5) Both E and C

\$\$\$ (33-38) :

Study the following information to answer the given questions.

In a certain code,

'always create new ideas' is written as 'ba ri sha gi',

'ideas and new thoughts' is written as 'fa gi ma ri',

'create thoughts and insights' is written as 'ma jo ba fa' and

'new and better solutions' is written as 'ki ri to fa'

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- Q33. What is the code for 'ideas' ?
- (1) sha
 - (2) ba
 - (3) gi
 - (4) ma
 - (5) Cannot be determined
- Q34. What does 'fa' stand for ?
- (1) thoughts
 - (2) insights
 - (3) new
 - (4) and
 - (5) solutions
- Q35. 'fa lo ba" could be a code for which of the following ?
- (1) thoughts and action
 - (2) create and innovate
 - (3) ideas and thoughts
 - (4) create new solutions
 - (5) always belter ideas
- Q36. What is the code for 'new' ?
- (1) ki
 - (2) ri
 - (3) to
 - (4) fa
 - (5) ba
- Q37. Which of the following may represent 'insights always better' ?
- (1) jo ki to
 - (2) ki to ri
 - (3) sha jo ri
 - (4) to sha jo
 - (5) sha to be
- Q38. What is the code for 'thoughts' ?
- (1) ma
 - (2) fa
 - (3) ba
 - (4) jo
 - (5) Either jo or fa



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Q39. Study the following information to answer the given question.

All existing and upcoming hotels within the 5 km radius of national parks and sanctuaries in India will have to pay 30% of their annual turnover as tax to the government.

Which of the following statements can be **inferred** from the facts/ information given in the above statement ?

- (1) The tax collected from the hotels will be used for upkeep of these national parks and sanctuaries.
- (2) Hotels which are sponsored by the government will not have to pay any tax even if these are located within the 5 km radius of such wildlife hotspots.
- (3) Ecosystem of the national parks and sanctuaries is adversely affected even if the hotels are located outside the 5 km radius.
- (4) Government allows the construction of hotels within 5 km radius of national parks and sanctuaries.
- (5) Such a step is taken by the environment ministry to boost eco-tourism and perk up revenue collection of State governments.

Q40. Study the following paragraph and answer the question which follows. Tenants' associations have demanded a "vacancy tax" on all vacant and unsold flats in Mumbai. Which of the following would **support** the demand made by the tenants' associations ?

- (1) House owners too have demanded for laws that make it easier to evict tenants who default on rent payment
- (2) Such a tax law would be difficult to implement as it would be difficult to record the number of vacant flats in the city.
- (3) People with surplus money buy many houses and rent these out while many consumers cannot afford even their first house.
- (4) The number of vacant flats in Mumbai is much lower than other metros such as Delhi and Chennai where vacancy tax already exists.
- (5) Such a tax would compel the house owners to sell/rent properties which in turn would control hoarding and sky rocketing of property prices.

\$\$\$ (41-45) :

Study the following information to answer the given questions.

Eight people - J, K, L, M, N, O, P and Q are sitting around a circular table facing the centre, not necessarily in the same order. O is sitting third to the right of M. There is only one person sitting between M and J. There are only three people between J and K. P is an immediate neighbour of J. There are only three people between P and L. N is second to the right of P.

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Q41. Which of the following is **true** regarding the given arrangement ?

- (1) M is an immediate neighbour of K
- (2) N is an immediate neighbour of J
- (3) P is second to the left of O



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- (4) There are four people between N and O
- (5) None is true

Q42. Who is sitting second to the left of the one who is sitting second to the left of Q?

- (1) M
- (2) K
- (3) N
- (4) L
- (5) J

Q43. Four of the following five are alike in a certain way based on their seating positions in the above arrangement and so form a group. Which one does not belong to the group ?

- (1) PQ
- (2) KL
- (3) MN
- (4) QO
- (5) KO

Q44. What is N's position with respect to K?

- (1) Second to the left
- (2) Second to the right
- (3) Third to the left
- (4) Third to the right
- (5) Fourth to the left

Q45. How many people are sitting between K and P when counted from the right side of K ?

- (1) One
- (2) Two
- (3) Three
- (4) None
- (5) More than three

\$\$\$ (46-48) :

Study the following information to answer the given questions.

A is the mother of B, B is the sister of C. D is the son of C, E is the brother of D, F is the mother of E, G is the granddaughter of A. H has only two children - B and C.

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Q46. How is F related to H ?

- (1) Son-in-law



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- (2) Daughter-in-law
- (3) Father-in-law
- (4) Granddaughter
- (5) Cannot be determined

Q47. How is C related to E?

- (1) Father
- (2) Son
- (3) Mother
- (4) Cousin brother
- (5) Cannot be determined

Q48. Who is the mother of G ?

- (1) C
- (2) B
- (3) F
- (4) Either B or F
- (5) Either C or F

\$\$\$ (49-50) :

The following questions are based on the five three-letter words given below:

FAN HOP GET CUB MID

(NOTE : The words formed after performing the given operations may or may not be meaningful English words.)

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Q49. If the positions of the first and second letters of all the words are interchanged, how many words will form meaningful english words ?

- (1) None
- (2) Three
- (3) One
- (4) Two
- (5) More than three

Q50. If all the letters in each of the words are arranged alphabetically (within the word), how many words will remain unchanged ?

- (1) Two
- (2) Three
- (3) One
- (4) None
- (5) More than three



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\$\$\$ (51-55) :

Which of the phrases (1), (2), (3) and (4) given below each sentence should replace the phrase printed in bold in the sentence to make it grammatically correct ? If the sentence is correct as it is given and no correction is required, mark (5) as the answer.

\$\$\$

Q51. Seeing that there was an ongoing sale in one of her favourite store, Seeta **made a bee-line for** it immediately after entering the Mall.

- (1) made a bee's line for
- (2) make bees lined to
- (3) made bee-line to
- (4) make bee-line to
- (5) No correction required

Q52. Sharon made it to work in the **nicks of times**, or else she would have missed the meeting.

- (1) nick of time
- (2) nicked time
- (3) nick of timeliness
- (4) nick and time
- (5) No correction required

Q53. Varan was **on cloud nine** after having stood first in his class.

- (1) in ninth cloud
- (2) on nine clouds
- (3) a cloudy nine
- (4) cloud on nine
- (5) No correction required

Q54. Vithal had a habit of **pass the buck** when it came to important issues at work.

- (1) pass to bucking
- (2) passing buck
- (3) passing the buck
- (4) pass buck
- (5) No correction required

Q55. Puneet **raked his brains** and tried to find an answer to a tricky question given in the paper but couldn't find one.

- (1) rake his brain
- (2) raked his brains
- (3) racked brains
- (4) raked brain
- (5) No correction required



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\$\$\$ (56-60) :

Rearrange the following eight sentences / group of sentences (A), (B), (C), (D), (E), (F), (G) and (H) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

(A) During the examination the invigilator noticed the chits and despite Rajesh's plea for innocence asked him to leave the examination hall.

(B) At this point Ravish realised his mistake and felt guilty. so he immediately confessed his misdeed to the invigilator and left the examination hall.

(C) Rajesh forgave Ravish because Ravish had not only accepted his mistake on time but also had not let Rajesh be punished for the wrong reason.

(D) Ravish and Rajesh were in college and had been friends since childhood. However, Ravish did not trust Rajesh.

(E) Another Student - Satish - who had seen Ravish hiding something in Rajesh's desk stood up and informed the invigilator of what he had seen.

(F) One day Ravish decided to test Rajesh's friendship and so during one of the college examinations Ravish went early to class and hid some chits in Rajesh's desk.

(G) Rajesh did not believe Satish, instead was furious that Satish had falsely blamed his friend and agreed that he would leave his examination only if Ravish was kept out of the matter.

(H) After the examination was over Ravish apologised to Rajesh and promised that he would be a good friend from then onwards.

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Q56. Which of the following should be the **FIFTH** sentence after the rearrangement ?

- (1) G
- (2) H
- (3) E
- (4) D
- (5) C

Q57. Which of the following should be the **FOURTH** sentence after the rearrangement ?

- (1) C
- (2) D
- (3) E
- (4) F
- (5) G

Q58. Which of the following should be the **EIGHTH (LAST)** sentence after the rearrangement ?

- (1) A
- (2) B
- (3) C



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- (4) D
- (5) E

Q59. Which of the following should be the **FIRST** sentence after the rearrangement ?

- (1) A
- (2) B
- (3) C
- (4) D
- (5) F

Q60. Which of the following should be the **SECOND** sentence after the rearrangement ?

- (1) A
- (2) B
- (3) G
- (4) F
- (5) E

\$\$\$ (61-70) :

In the following passage, there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words/phrases are suggested, one of which fits the blank appropriately. Find out the appropriate word/phrase in each case.

Once upon a time, Amarasakti ruled the city-state of Mahilaropyam in the south of India. He had three witless sons who became a matter of endless **...(61)...** for him. **...(62)...** that his sons had no interest in learning, the king summoned his ministers and said, "You know I am not happy with my sons. According to men of learning, an unborn son is better than a son who is a **...(63)...** A son who is stupid will bring dishonour to his father. How can I make my sons fit to be my **...(64)...** ? I turn to you for advice." One of the ministers **...(65)...** the name of Vishnu Sharman, a great scholar enjoying the **...(66)...** of hundreds of his disciples. "He is the most **...(67)...** person to tutor your children. Entrust them to his care and very soon you will see the change."

The king summoned Vishnu Sharman and pleaded with him "Oh, venerable scholar, take pity on me and please train my sons. Turn them into great scholars and I will be **...(68)...** to you all my life." Vishnu Shannon said "Oh, king, count six months from today. If I do not make your children great scholars, you can ask me to change my **...(69)...**" The king immediately called his sons and handed them over to the care of the learned man. Sharman took them to his monastery where he **...(70)...** teaching them. Keeping his word, he finished the task the king entrusted to him in six months. Thus, the king, now, had scholars for sons.

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Q61. I

- (1) ache



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- (2) worry
- (3) joy
- (4) pity
- (5) hazard

Q62. II

- (1) Fact
- (2) Belief
- (3) Since
- (4) Realizing
- (5) Being

Q63. III

- (1) stupid
- (2) brilliant
- (3) fool
- (4) uneducated
- (5) scholar

Q64. IV

- (1) self
- (2) place
- (3) successors
- (4) level
- (5) siblings

Q65. V

- (1) suggested
- (2) requested
- (3) called
- (4) pointed
- (5) said

Q66. VI

- (1) teachings
- (2) attendance
- (3) glamour
- (4) rights
- (5) respect



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Q67. VII

- (1) competent
- (2) right
- (3) easy
- (4) actual
- (5) skill

Q68. VIII

- (1) happy
- (2) oblige
- (3) beside
- (4) indebted
- (5) disciple

Q69. IX

- (1) importance
- (2) name
- (3) clothes
- (4) location
- (5) life

Q70. X

- (1) embark
- (2) mustered
- (3) begun
- (4) decided
- (5) started

\$\$\$ (71-80) :

Read the following passage carefully and answer the questions given below it. Certain words, have been printed in **bold** to help you locate them while answering some of the questions.

A long time ago, on a big tree in the lap of the mountain, lived a bird named Sindhuka. It was a **rather** special bird because its droppings turned into gold as soon as they hit the ground.

One day, a hunter came to the tree in search of prey and he saw Sindhuka" s droppings hit the ground and turn into gold. The hunter was struck with wonder. He thought, "I have been hunting birds and small animals since I was a boy, but in all my 80 years, I have never seen such a miraculous creature. He decided that he had to catch the bird somehow. He climbed the tree and **skilfully** set a trap for the bird. The bird, quite unaware of the danger it was in. stayed on the



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tree and sang merrily. But it was soon caught in the hunter's trap. The hunter immediately seized it and shoved it into a cage. The hunter took the bird home joyfully. But as he had time to think over his good fortune later, he suddenly realised, "If the king comes to know of this wonder, he will certainly take away the bird from me and he might even punish me for keeping such a rare treasure all to myself. So it would be safer and more honourable if I were to go to the king and present the unique bird to him."

The next day, the hunter took the bird to the king and presented it to him in court with great **reverence**. The king was delighted to receive such an unusual and rare gift. He told his courtiers to keep the bird safe and feed it with the best bird food available.

The King's prime minister though, was **reluctant** to accept the bird. He said "O Rajah, how can you believe the word of a foolish hunter and accept this bird ? Has anyone in our kingdom ever seen a bird dropping gold ? The hunter must be either crazy or telling lies. I think it is best that you **release** the bird from the cage."

After a little thought, the king felt that his prime minister's words were correct. So he ordered the bird to be released. But as soon as the door of the cage was thrown open, the bird flew out, perched itself on a nearby doorway and defecated. To everyone's surprise, the dropping immediately turned into gold. The king mourned his loss.

\$\$\$

Q71. Which of the following is possibly the most appropriate title for the story ?

- (1) The Skilled Hunter
- (2) The King's Prime Minister
- (3) The King's Defeat
- (4) The Bird With The Gold Dropping
- (5) The Trials And Tribulations Of The Foolish Bird Sindhuka

Q72. Which of the following emotions made the hunter gift the bird to the king ?

- (1) Respect
- (2) Joy
- (3) Pride
- (4) Fear
- (5) Awe

Q73. Which of the following is **TRUE** according to the story ?

- (1) Birds like Sindhuka were very common in the area near the mountain
- (2) Sindhuka remained caged for the rest of its life
- (3) Sindhuka was unaware of the trap laid by the hunter
- (4) The king, when told to not accept the bird, did not listen to his prime minister
- (5) All are true

Q74. Why was the King's prime minister reluctant to accept the bird?

- (1) He believed that the bird would die if caged
- (2) He knew about the hunter's habit of lying



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- (3) He believed that the bird would bring bad luck to the king
- (4) His sources had informed him that the hunter was crazy
- (5) None of the above

Q75. How did the hunter find Sindhuka?

- (1) He had read stories about the bird and had set traps at various locations in the city
- (2) He followed the bird's droppings
- (3) He was on the lookout for a prey when he chanced upon it
- (4) People from the city had informed him about the bird's whereabouts
- (5) He was attracted by the bird's calls

\$\$\$ (76-78) :

Choose the word/group of words which is **most similar** in meaning to the word/ group of words printed in **bold** as used in the passage.

\$\$\$

Q76. **RATHER**

- (1) Regular
- (2) Quite
- (3) Instead
- (4) But
- (5) Known

Q77. **RELEASE**

- (1) Free
- (2) Vacate
- (3) Vent
- (4) Let expire
- (5) Make public

Q78. **REVERENCE**

- (1) Respect
- (2) Detail
- (3) Astonishment
- (4) Hope
- (5) Remembrance

\$\$\$ (79-80) :

Choose the word which is **most opposite** in meaning to the word printed in **bold** as used in the passage,



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\$\$\$

Q79. **RELUCTANT**

- (1) True
- (2) Clever
- (3) Averse
- (4) Hesitant
- (5) Keen

Q80. **SKILFULLY**

- (1) Angrily
- (2) Haphazardly
- (3) Highly
- (4) Cheaply
- (5) Deftly

\$\$\$ (81-85) :

Read the following passage carefully and answer the questions given below it.

Jagir Singh has sold red onions at a market in south Delhi every day for the past halfcentury. Perched on an upturned crate, wrapped tight against the chill air, he offers pyaz, a staple for much Indian cooking, for 60 rupees a kilo, the most he can remember. Business is brisk but most customers pick up only a small handful of onions. That is just as well - wholesale supplies are tight, he says, and the quality is poor.

As India's economy grows by some 9% a year, food prices are soaring. In late December the commerce ministry judged that food inflation had reached 18.3%, with pricey vegetables mostly to blame. Officials have made some attempts to temper the rise in the past month - scrapping import taxes for onions, banning their export and ordering low-priced sales at government-run shops. But there is no quick fix.

Heavy rain in the west of India brought a rotten, harvest- Vegetables from further a field - including a politically-sensitive delivery from a neighbouring country - are costly to move on India's crowded, potholed roads. Few refrigerated lorries and poor logistics mean that much of each harvest is wasted. Newspapers allege hoarders are cashing in.

The biggest problems are structural. Food producers, hampered by land restrictions, archaic retail networks and bad infrastructure, fail to meet extra demand from consumers. It was estimated in October that a 39% rise in income per person in the previous five years might have created an extra 220 million regular consumers of milk, eggs, meat and fish. Supplies have not kept up with this potential demand.

The broader inflation rate may be a less eye-watering problem than the onions suggest. The central bank has lifted interest rates steadily in the past year and is expected to do so again later this month. Headline inflation fell to 7.5% in November, down by just over a percentage point from October, though it is still above the central bank's forecast of 5.5% for March.

\$\$\$



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Q81. What is responsible for the increased demand amongst consumers for certain food stuff ?

- (1) There has been an increase in the wholesale supplies this food stuff.
- (2) The vegetables in the market are very highly priced.
- (3) There has been an increase in the incomes of people.
- (4) There is a lack of availability of vegetables in market.
- (5) There has been a surge in population.

Q82. Which of the following is **not true** in the context of the passage ?

- (1) The overall inflation is not as bad as the food inflation India.
- (2) Help from other countries to counter food inflation proved to be quite encouraging.
- (3) Government is banning the export of certain types vegetables in order to check the food inflation.
- (4) Highly priced vegetables are mostly responsible for increased food inflation.
- (5) All the above statements are true.

Q83. Which of the following is/are the reason/s for increase in food/ vegetable prices

?(A) Bad weather (B) Land restrictions (C) Poor infrastructure for storage and transportation

- (1) Only (B)
- (2) (A) and (C)
- (3) (A) and (B)
- (4) (B) and (C)
- (5) All (A), (B) and (C)

Q84. Which of the following is/are TRUE in the context of the passage ?(A) The interest rates are being raised in India.(B) India is' witnessing a steady economic growth.(C) It has been proven that the food inflation is mainly because of hoarding.

- (1) All (A), (B) and (C)
- (2) (A) and (B)
- (3) Only (C)
- (4) (B) and (C)
- (5) None is true

Q85. Which of the following is possibly the most appropriate title for the passage ?

- (1) Food Inflation In India
- (2) Of Onions And Vendors
- (3) Food Deficit Worldwide
- (4) Food Imports In India
- (5) Benefits To Indian Consumers

\$\$\$ (86-90):

Each question below has two blanks, each blank indicating that something has been omitted.



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Choose the set of words for each blank which best fits the meaning of the sentence as a whole.
\$\$\$

Q86. The water transport project on the west coast is..... to get a shot in the arm with a new plan in which the Road Development Corporation will build the infrastructure and a private party to operate the service.

- (1) scheduled, let
- (2) verge, permit
- (3) set, sanctions
- (4) slated, allow
- (5) bound, task

Q87. As the weekend finally rolled around, the city folk were only..... happy to settle down and laugh their cares

- (1) just, afar
- (2) too, away
- (3) extremely, off
- (4) very, up
- (5) so, on

Q88. The flood of brilliant ideas has not only..... us, but has also encouraged us to the last date for submission of entries.

- (1) overwhelmed, extend
- (2) enjoyed, stretch
- (3) dismayed, decide
- (4) scared, scrap
- (5) happy, boundary

Q89. about prolonged power cuts in urban- areas, the authorities have decided to..... over to more reliable and eco-friendly systems to run its pumps.

- (1) Worried, shift
- (2) Frantic, move
- (3) Troubled, jump
- (4) Concerned, switch
- (5) Endangered, click

Q90. The high cutoff marks this year have college admission- seekers to either..... for lesser known colleges or change their subject preferences.

- (1) cajoled, ask
- (2) pressured, sit
- (3) forced, settle
- (4) strained, compromise
- (5) entrusted, wait



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\$\$\$ (91-95) :

In each of these questions, a number series is given. In each series **only one** number is **wrong**. Find out the **wrong** number.

\$\$\$

- Q91. 3601, 3602 , 1803, 604, 154, 36 , 12
- (1) 3602
 - (2) 1803
 - (3) 604
 - (4) 154
 - (5) 36

- Q92. 4 , 12, 42 , 196 , 1005 , 6066 , 42511
- (1) 12
 - (2) 42
 - (3) 1005
 - (4) 196
 - (5) 6066

- Q93. 2, 8 , 12 , 20, 30, 42 , 56
- (1) 8
 - (2) 42
 - (3) 30
 - (4) 20
 - (5) 12

- Q94. 32, 16 , 24, 65 , 210, 945 , 5197.5
- (1) 946
 - (2) 16
 - (3) 24
 - (4) 210
 - (5) 65

- Q95. 7, 13 , 25 , 49, 97 , 194, 385
- (1) 13
 - (2) 49
 - (3) 97
 - (4) 194
 - (5) 25



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Q96. Mr. X invested a certain amount in Debit and Equity funds in the ratio of 4 : 5 respectively. At the end of one year, he earned a total dividend of 30% on his investment. After one year he reinvested the amount including dividend in the ratio of 6 : 7 in Debt and Equity Funds. If the amount reinvested in Equity Funds was Rs. 94,500/-, what was the original amount invested in Equity Funds ?

- (1) Rs.75,000/-
- (2) Rs. 81,000/-
- (3) Rs. 60,000/-
- (4) Rs. 65,000/-
- (5) None of these

Q97. Father's age is 30 years more than the son's age. Ten years hence the father's age will become three times the son's age that time. What is son's present age in years ?

- (1) 8
- (2) 7
- (3) 5
- (4) Cannot be determined
- (5) None of these

Q98. If the length of a rectangular field is increased by 20% and the breadth is reduced by 20%, the area of the rectangle will be 192 m². What is the area of the original rectangle ?

- (1) 184 m²
- (2) 196 m²
- (3) 204 m²
- (4) 225 m²
- (5) None of these

Q99. Inside a square plot a circular garden is developed which exactly fits in the square plot and the diameter of the garden is equal to the side of the square plot which is 28 m. What is the area of the space left out in the square plot after developing the garden ?

- (1) 98m²
- (2) 146 m²
- (3) 84 m²
- (4) 168 m²
- (5) None of these

Q100. Amit and Sujit together can complete an assignment of data entry in 5 days. Sujit's speed is 80% of Amit's speed and the total key depressions in the assignment are 576000. What is Amit's speed in key depressions per hour if they work for 8 hours a day ?

- (1) 4800
- (2) 6400
- (3) 8000



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- (4) 7200
- (5) None of these

Q101. A shopkeeper labelled the price of his articles so as to earn a profit of 30% on the cost price. He then sold the articles by offering a discount of 10% on the labelled price. What is the actual percent profit earned in the deal ?

- (1) 18%
- (2) 15%
- (3) 20%
- (4) Cannot be determined
- (5) None of these

\$\$\$ (102-106) :

In each of these questions, one question is given followed by data in three statements I, II and III. You have to study the question and the data in statements and decide the question can be answered with data in which of the statements and mark your answer accordingly.

\$\$\$

Q102. What is the rate of interest p.c.p.a. ?

I. Difference between the compound interest and simple interest earned in two years on the amount invested is Rs.100/-II. The amount becomes Rs. 19,500/- in three years on simple interest.III. Simple interest accrued in two years on the same amount at the same rate of interest is Rs. 3,000/-.

- (1) I and II
- (2) I and III
- (3) II and III
- (4) I and either II or III
- (5) None of these

Q103. What is the speed of the train in kmph ?

I. The train crosses an 'x' metre long platform in 'n' seconds.II. Length of the train is 'y' metre.III. The train crosses a signal pole in 'm' seconds.

- (1) Any two of the three
- (2) II and III
- (3) I and III
- (4) All I, II and III
- (5) Question cannot be answered even with information in all three statements.

Q104. How many students passed in first class ?I.85% of the students who appeared in examination have passed either in first class or in second class or in pass class.II. 750 students have passed in second class.III. Number of students passed in pass class is 28% of those passed in second class.

- (1) All I, II and III



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- (2) I and III
- (3) II and III
- (4) Question cannot be answered even with information in all three statements
- (5) None of the above

Q105. What is the amount invested in Scheme 'B' ? I. The amounts invested in schemes 'A' and 'B' are in the ratio of 2 : 3 respectively. II. Amount invested in Scheme 'A' is 40% of the total amount invested. III. Amount invested in Scheme 'A' is Rs. 45,000/-

- (1) I and II
- (2) I and III
- (3) II and III
- (4) All I, II and III
- (5) III and either I or II

Q106. What is the cost of flooring the rectangular hall ?

I. Length of the rectangle is 6 meters. II. Breadth of the rectangle is two-third of its length. III. Cost of flooring the area of 100 cm² is Rs.45/-.

- (1) I and III
- (2) II and III
- (3) All I, II and III
- (4) Question cannot be answered with data in all three statements
- (5) None of the above

\$\$\$ (107-113) :

Refer to the table and answer the given questions :

Number of Candidates found Eligible and the Number of Candidates Shortlisted for Interviews for a recent Recruitment Process for Six Posts from Different States (E-Eligible, S-Shortlisted)

Post/ State	I		II		III		IV		V		VI	
	E	S	E	S	E	S	E	S	E	S	E	S
A	2500	65	7200	240	5200	76	3600	200	4600	110	5400	380
B	3200	220	8500	420	8400	190	6200	320	5800	180	6200	430
C	2800	280	4500	350	7600	160	8200	440	7300	310	3700	250
D	2400	85	4800	200	2600	55	7500	350	3900	160	4800	360
E	3000	120	5600	280	3800	75	6800	280	6100	260	7800	520
F	4800	325	6400	320	4400	220	4700	180	4900	220	8800	640



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G	6500	550	7000	140	6000	325	5500	220	8100	410	2700	200
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\$\$\$

- Q107. From Slate 'B' which post had the **highest** percentage of candidates shortlisted ?
- (1) V
 - (2) IV
 - (3) VI
 - (4) II
 - (5) None of these
- Q108. **Approximately**, what is the average number of candidates found eligible from all States for Post III ?
- (1) 6700
 - (2) 6200
 - (3) 4200
 - (4) 4500
 - (5) 5500
- Q109. What is the overall percentage (rounded off to one digit after decimal) of candidates shortlisted over the total number of candidates eligible from all the States together for Post I ?
- (1) 9.5%
 - (2) 12.5%
 - (3) 7.2%
 - (4) 6.5%
 - (5) None of these
- Q110. What is the ratio between total number of candidates shortlisted for all the posts together from States E and G respectively ?
- (1) 307 : 369
 - (2) 73 : 79
 - (3) 6 : 5
 - (4) 9 : 7
 - (5) None of these
- Q111. Total number of candidates found eligible from all States together for Post I is **approximately** what percent of the total number of candidates found eligible from all States together for Post VI ?
- (1) 45
 - (2) 50
 - (3) 60
 - (4) 55



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(5) 65

Q112. Which State had the **lowest** percentage of candidates shortlisted over eligible for Post IV ?

- (1) G
- (2) F
- (3) E
- (4) C
- (5) None of these

Q113. What is the ratio between total number of candidates shortlisted from all States together for posts V and VI respectively ?

- (1) 6 : 7
- (2) 55 : 96
- (3) 165 : 278
- (4) 16 : 25
- (5) None of these

\$\$\$ (114-118) :

These questions are based on the following data. Study it carefully and answer the questions that follow.

In a school having 400 students boys and girls are in the ratio of 3:5 respectively. The students speak Hindi, English or both the languages. 12% of the boys speak only Hindi, 22% of the girls speak only English. 24% of the total students speak only Hindi and the number of boys speaking both the languages is six times the number of boys speaking only Hindi.

\$\$\$

Q114. Total how many boys speak Hindi ?

- (1) 18
- (2) 126
- (3) 108
- (4) 26
- (5) None of these

Q115. How many girls speak only Hindi ?

- (1) 55
- (2) 117
- (3) 96
- (4) 78
- (5) None of these

Q116. Total how many students speak English ?



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- (1) 304
- (2) 79
- (3) 225
- (4) 117
- (5) None of these

Q117. Number of girls speaking only Hindi is what percent of the total number of students speaking only Hindi ?

- (1) 38.2%
- (2) 71.8%
- (3) 31.2%
- (4) 78%
- (5) None of these

Q118. What is the respective ratio between the number of boys and girls speaking both the languages ?

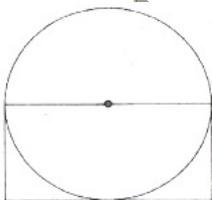
- (1) 23 : 25
- (2) 12 : 25
- (3) 12 : 13
- (4) 25 : 13
- (5) None of these

\$\$\$ (119-120) :

Refer to the graphs and answer the questions.

\$\$\$

Q119. Area of the circle is 616 cm^2 . What is the area of the rectangle ? (. 'dot' indicates centre of the circle)



- (1) 784 cm^2
- (2) 196 cm^2
- (3) 392 cm^2
- (4) Cannot be determined
- (5) None of the above



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Q120. Population in Millions

City	Total Population	Male Population
A	12	6.5
B	15	7.2
C	17	9.0
D	19	9.9
E	22	10.8

What is the average female population in million ?

- (1) 8.32
- (2) 8.86
- (3) 8.68
- (4) 9.12
- (5) None of these

Q121. A rectangular plot has a concrete path running in the middle of the plot parallel to the length of the plot. The rest of the plot is used as a lawn, which has an area of 253 sq m. If the width of the path is 4m and the length of the plot is greater than its breadth by 8m. What is the area of the plot ? (in sq m)

- (1) 896
- (2) 345
- (3) 432
- (4) 354
- (5) 682

\$\$\$ (122-126):

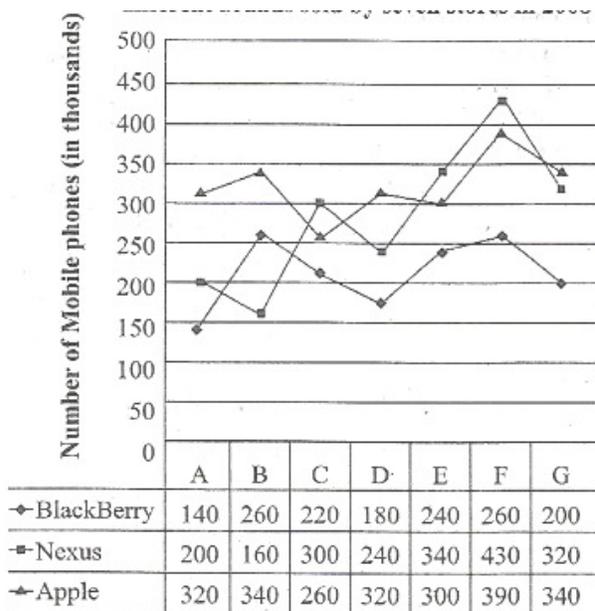
Refer to the graph and answer the given question.

Number of Mobile phones (in thousands) of three different brands sold by seven stores in 2008



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\$\$\$

Q122. What is the respective ratio between total number of BlackBerry mobile phones sold by stores C, D and G together and the total number of Apple mobile phones sold by the same store together ?

- (1) 3 : 4
- (2) 12 : 13
- (3) 4 : 9
- (4) 15 : 23
- (5) 5 : 9

Q123. Average number of Nexus mobile phones sold by all the given stores together is by what percent more than the number of BlackBerry mobile phones sold by all the given stores together ?

- (1) $32 \frac{1}{3}$
- (2) $33 \frac{4}{9}$
- (3) $30 \frac{5}{9}$
- (4) $33 \frac{1}{3}$
- (5) $32 \frac{2}{3}$

Q124. What is the difference between number of mobile phones of all three brands sold by stores F and B ?

- (1) 360000
- (2) 342000
- (3) 320000



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- (4) 348000
- (5) 356000

Q125. If the price of each BlackBerry mobile is Rs. 22,000/- price of each Nexus mobile is Rs.25,000/- and the price of each Apple mobile is Rs. 28,000/- by what percent are the total sales of store F more than the total sales of store D ? (rounded off to nearest integer)

- (1) 34%
- (2) 31%
- (3) 44%
- (4) 36%
- (5) 42%

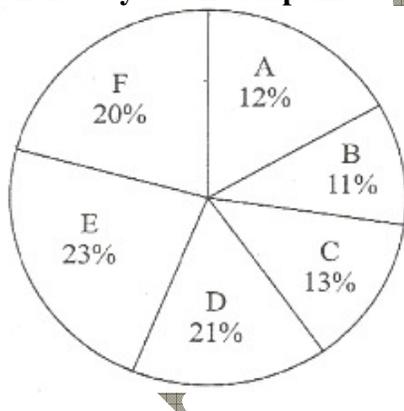
Q126. The number of Nexus mobile phones sold by each store increased by 15% from 2008 to 2009, and the number of Apple mobile phones sold by each store increased by 10% from 2008 to 2009, what was the total number of Nexus and Apple mobile phones sold by stores B and E together in 2009 ?

- (1) 1272100
- (2) 1279000
- (3) 1177200
- (4) 1277200
- (5) 1172100

\$\$\$ (127-132):

Refer to the pie-charts and the given questions.

Percentage of Academic books published by seven companies



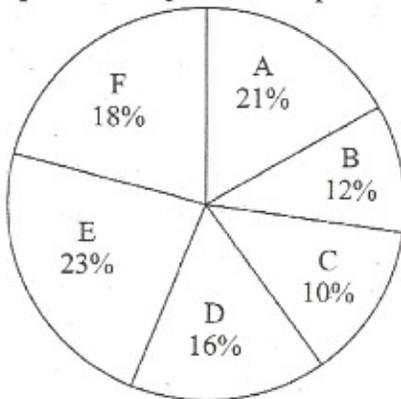
Total number of Academic books published by all the companies together = 19200

Percentage of Non-Academic books published by seven companies



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Total number of Non-Academic books published by all the companies together = 25600

\$\$\$

Q127. The number of Academic books published by Company E is what percent less than the number of Non-Academic books published by the same company ?

- (1) $40 \frac{5}{6}\%$
- (2) $45 \frac{5}{11}\%$
- (3) $41 \frac{1}{6}\%$
- (4) $43 \frac{2}{11}\%$
- (5) 25%

Q128. The number of Non-Academic books published by company C is what percent of the total number of Non-Academic books published by company B and D together ?

- (1) 36%
- (2) 40%
- (3) 38%
- (4) 48%
- (5) 32%

Q129. What is the respective ratio between the number of Academic books published by Company A and the number of Non-Academic books published by company D ?

- (1) $5 : 7$
- (2) $9 : 16$
- (3) $7 : 9$
- (4) $4 : 5$
- (5) $3 : 5$

Q130. What is the difference between the number of Academic books and Non-Academic books published by company F?

- (1) 580



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- (2) 640
- (3) 512
- (4) 644
- (5) 768

Q131. The number of Non-Academic books published by company A is **approximately** what percent more than the number of Academic books published by company E ?

- (1) 26%
- (2) 22%
- (3) 10%
- (4) 18%
- (5) 32%

Q132. How many Non-Academic books were published by company D ?

- (1) 3722
- (2) 3658
- (3) 3264
- (4) 3584
- (5) 4096

Q133. Rs. 1,500/- were invested for 5 years in scheme A which offers simple interest at a rate of 14% p.a.. The amount received after 5 years and some additional money, is then invested in scheme B. For 2 years, which offers compound interest (compounded annually) at a rate of 20% p. a.. If the compound interest received from scheme B after 2 years is Rs. 1,408/-, what was the additional money invested in scheme B apart from the amount received from scheme A ?

- (1) Rs.450/-
- (2) Rs. 650/-
- (3) Rs. 500/-
- (4) Rs. 280/-
- (5) Rs. 520/-

Q134. In what respective ratio two varieties of rice costing Rs. 36 per kg and Rs. 60 per kg be mixed; so that by selling the mixture of Rs. 54 per kg 20% profit is earned ?

- (1) 3 : 2
- (2) 7 : 5
- (3) 5 : 3
- (4) 5 : 2
- (5) 4 : 3

Q135. 8 years ago, Jyoti's age was equal to the Swati's present age. If the sum of Jyoti's age 10 years from now and Swati's age 6 years ago is 88 years. What was Kusum's age 14



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years ago if Kusum is 8 years younger to Swati ? (in years)

- (1) 22
- (2) 14
- (3) 25
- (4) 24
- (5) 16

\$\$\$ (136-140):

In the given questions, two equations numbered I and II are given. You have to solve both the equations and

Give answer:

- (1) if $x < y$
- (2) if $x > y$
- (3) If $x \geq y$
- (4) If $x \leq y$
- (5) If relationship between x and y cannot be established.

\$\$\$

Q136. I. $2x^2 - 7x + 3 = 0$
II. $2y^2 - 7y + 6 = 0$

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

Q137. I. $4x^2 + 16x + 15 = 0$
II. $2y^2 + 3y + 1 = 0$

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

Q138. I. $9x^2 - 45x + 56 = 0$
II. $4y^2 - 17y + 18 = 0$

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5



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Q139. I. $2x^2 + 11x + 14 = 0$
II. $2y^2 + 15y + 28 = 0$

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

Q140. I. $6x^2 + 11x + 4 = 0$
II. $4y^2 - 7y - 2 = 0$

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) 5

Q141. Poverty line is expressed in terms of an overall.....

- (1) Per Capita income
- (2) Per Capita consumption expenditure
- (3) Per Capita entertainment expenditure
- (4) Per Capita development expenditure
- (5) Per Capita GDP

Q142. Who of the following is the author of the English novel 'The Namesake' ?

- (1) Shobha De
- (2) Jhumpa Lahiri
- (3) Shashi Tharoor
- (4) Upamanyu Chhaterjee
- (5) V. S. Naipaul

Q143. The Abbreviation 'UIDAI' stands for.....

- (1) Unique Identification Division of All India
- (2) Unique Identification Department of Ancient India
- (3) Unique Identity Division of Ancient India
- (4) Unique Identification Authority of India
- (5) None of the above

Q144. Kanha Tiger Reserve is situated in Mandla District of:

- (1) Rajasrhan



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- (2) Uttar Pradesh
- (3) Chattisgarh
- (4) Madhya Pradesh
- (5) Maharashtra

Q145. Which of the following is a global international organization dealing with the rules of trade between nations ?

- (1) IMF
- (2) IDA
- (3) UNO
- (4) WTO
- (5) UNESCO

Q146. Excise duty is the tax levied on :

- (1) Production of goods
- (2) Import of goods
- (3) Sale of goods
- (4) Profits on sale of goods
- (5) Income from other sources

Q147. Union Budget is presented in the parliament by the.....

- (1) Prime Minister
- (2) Commerce Minister
- (3) Minister for Parliamentary Affairs
- (4) Union Finance Minister
- (5) Lok Sabha Speaker

Q148. A tax based on the value of the property/product is called :

- (1) Fringe Benefit Tax
- (2) Value Added Tax
- (3) Minimum Alternative Tax
- (4) Turnover Tax
- (5) Ad Valorem tax

Q149. The term 'Plastic money' refers to.....

- (1) ATM/Credit Cards
- (2) Plastic coated Currency Notes
- (3) Foreign Currency Notes
- (4) Travelers Cheque
- (5) None of the above

Q150. It is mandatory to quote the following identification number on all large value



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financial transactions.

- (1) PAN number
- (2) Voter ID
- (3) PIN
- (4) Ration Card number
- (5) Phone number

Q151. The Term 'FTZ' stands for.....

- (1) Free Trade Zone
- (2) Food Trade Zone
- (3) Foreign Trade Zone
- (4) Fiscal Trade Zone
- (5) Financial Trade Zone

Q152. International day of 'Non-Violence' is observed every year on

- (1) 15th August
- (2) 2nd October
- (3) 26th January
- (4) 31st January
- (5) None of these

Q153. In addition to India and China the following nations are also members of 'BRICS'.....

- (1) Bangladesh, Russia and Sri Lanka
- (2) Belgium, Romania and South Africa
- (3) Belgium, Russia and Saudi Arabia
- (4) Brazil, Russia and South Africa
- (5) Bhutan, Russia and Sri Lanka

Q154. Which of the following is a Statutory quasi-judicial authority mandated by the parliament to preserve the freedom of press and maintain and improve the standards of newspapers ?

- (1) Press Trust of India
- (2) Press Information Bureau
- (3) United News of India
- (4) NAM News Network
- (5) Press Council of India

Q155. India's largest 700MW ultra mega solar power plant is planned in the state of Madhya Pradesh in:

- (1) Bhopal district
- (2) Ujjain district



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- (3) Khandwa district
- (4) Rewa district
- (5) Indore district

Q156. India's Tax Administration Reform Commission submitted its first report to Finance Minister in June 2014 and this commission is headed by :

- (1) Shri Y. V. Reddy
- (2) Shri D. Subba Rao
- (3) Other than those given as option
- (4) Shri Parthasarathy Shome
- (5) Shri Bimal Jalan

Q157. The remote sensing satellite 'Yaogart XX' has recently been put in orbit by :

- (1) Australia
- (2) Singapore
- (3) China
- (4) Thailand
- (5) New Zealand

Q158. Gagan Narang is an Indian sportsman associated with :

- (1) Badminton
- (2) Air rifle shooting
- (3) Golf
- (4) Wrestling
- (5) Athletics

Q159. James Bond, often referred by his code name, 007 is the fictional protagonist of a series of novels and short stories, first published in 1953. The character was originally created by journalist and author:

- (1) John Pearson
- (2) Kingsley Amis
- (3) Ian Fleming
- (4) Raymond Benson
- (5) Johan Gardner

Q160. Who amongst the following has recently been selected to receive the 2014 Rajiv Gandhi National Sadbhavana Award for his outstanding contribution towards the promotion of communal harmony, peace and goodwill ?

- (1) Spiritual leader Dalai Lama
- (2) Noted flute player Pt. Hari Prasad Chaurasia
- (3) Noted film director Shyam Benegal
- (4) Noted film maker Muzaffar Ali
- (5) Superstar of Indian film music Ilayaraja



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Q161. The 'World' s AIDS Day' is observed throughout the world on

- (1) first of December every year
- (2) last Monday of September
- (3) last Sunday of November
- (4) first of November every year
- (5) first Sunday of October

Q162. The 'Cabinet Committee on Investments' has been set up to

- (1) scrutinize investment proposals
- (2) attract overseas investors
- (3) facilitate stalled projects
- (4) market and policies of the government
- (5) clear investment proposals expeditiously

Q163. The official currency of the 'Republic of Austria' is

- (1) Euro
- (2) Peso
- (3) Austrian Pound
- (4) Lira
- (5) Austrian Dollar

Q164. The host of the Eighteenth (2014) SAARC summit is:

- (1) Sri Lanka
- (2) India
- (3) Bhutan
- (4) Pakistan
- (5) Nepal

Q165. The process by which the central bank of a country controls the supply of money in the economy by exercising its control over interest rates in order to maintain price stability and achieve high economic growth is known as:

- (1) Economic Policy
- (2) Monetary Policy
- (3) Fiscal Policy
- (4) Credit Policy
- (5) Budgetary Policy

Q166. The scientist who co-discovered the deadly 'Ebola' strain in 1976 is:

- (1) Professor Peter Piot
- (2) Professor Butel Janet
- (3) Professor Paul Farrell



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- (4) Professor Michel Heffernan
- (5) Professor Graham David

Q167. The national capital of Brazil is :

- (1) Quito
- (2) Santiago
- (3) Salvador
- (4) Brasilia
- (5) Bogota

Q168. A banknote, of which a portion is missing or which is composed of more than two pieces is known as

- (1) A mutilated banknote
- (2) A counterfeit banknote
- (3) A soiled banknote
- (4) A damaged banknote
- (5) A defective banknote

Q169. The abbreviation KTCA stands for:

- (1) National Thermal Control Authority
- (2) National Terrorist Control Authority
- (3) National Transportation Control Authority
- (4) National Transport Corporation Authority
- (5) National Tiger Conservation Authority

Q170. As stated by Shri Arun Jaitley in his Budget Speech for 2014-15, the amount provided for 2014-15 for the Welfare of Scheduled Castes under the SC plan is :

- (1) Rs. 50,548/-
- (2) Rs. 54,548/-
- (3) Rs. 32,548/-
- (4) Rs. 32,387/-
- (5) Rs. 50,387/-

Q171. In India, the regulator of the commodity market is :

- (1) Forward Markets Commission (FMC)
- (2) National Stock Exchange (NSE)
- (3) Securities and Exchange Board of India (SEBI)
- (4) Insurance Regulatory and Development Authority (IRDA)
- (5) Reserve Bank of India (RBI)

Q172. For his role in one of the biggest corporate frauds in the country, market



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regulator SEBI recently barred B. Ramalinga Raju, founder and former chairman of Satyam Computer Services from the market for a period of:

- (1) 18 years
- (2) 12 years
- (3) 10 years
- (4) 21 years
- (5) 14 years

Q173. As per Census 2011, the total population of India on 1st March 2011 was 1210.6 million. Of this the urban population was:

- (1) 433.1 million
- (2) 399.1 million
- (3) 477.1 million
- (4) 377.1 million
- (5) 499.1 million

Q174. In order to promote financial inclusion, the Reserve Bank of India has recently allowed minors to operate bank accounts independently provided their age is above:

- (1) 14 years
- (2) 13 years
- (3) 16 years
- (4) 10 years
- (5) 08 years

Q175. Finance Minister Arun Jaitley recently announced launch of 'Van Bandhu Kalyan Yojana' for the welfare of:

- (1) Tribal Communities
- (2) Economically weaker sections
- (3) Minority Communities
- (4) Other than those given as options
- (5) Rural and Village Communities

Q176. The recent WTO talks failed to agree on TFA or Global Customs Rules. Expand the term TFA.

- (1) Trade Fostering Agreement
- (2) Trade Factoring Agreement
- (3) Trade Facilitation Agreement
- (4) Trade Featuring Agreement
- (5) Other than those given as options

Q177. The process of conversion of a physical cheque into electronic form is known as :

- (1) Cheque Negotiation



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- (2) Cheque Endorsement
- (3) Cheque Truncation
- 4) Cheque Alteration
- (5) Cheque Crossing

Q178. The earlier system of Prime Lending Rate (PLR) has now been replaced by :

- (1) Reverse Repo Rate System
- (2) Repo Rate System
- (3) Exchange Rate System
- (4) Bank Rate System
- (5) Base Rate System

Q179. The author of the book 'Strictly Personal: Manmohan and Gursharan' recently published by Harper Collins is :

- (1) Natwar Singh
- (2) P. C. Parekh
- (3) Gursharan Kaur
- (4) Sanjaya Baru
- (5) Daman Singh

Q180. In his Budget (2014-15) Speech Minister of Railways Shri D. V. Sadananda Gowda has informed that the number of unmanned Level Crossings is around :

- (1) 11563
- (2) 21348
- (3) 21563
- (4) 30348
- (5) 11348

Q181. A Compact Disk (CD) is a(n) ----- data storage of the type.

- (1) Magnetic
- (2) Sequencer
- (3) Electro-mechanical
- (4) Electrical
- (5) Optical

Q182. What does the term GUI in computing stand for ?

- (1) Graphical Utility Interface
- (2) Graphical User Input
- (3) Graphical User Interface
- (4) Graphics User Intake
- (5) Graphics User Information



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Q183. Which one of the following is not the operation of operating system ?

- (1) Networking
- (2) Process management
- (3) Booting
- (4) Resource management
- (5) File management

Q184. One advantage of dial-up internet access is.....

- (1) It utilizes existing telephone service
- (2) Modem speeds are very fast
- (3) It utilizes broadband technology
- (4) It uses a router for security
- (5) It is wireless service

Q185. A document created in a word processing program or a budget created in a spreadsheet are, both examples of documents created in.....

- (1) machine language
- (2) an operating system
- (3) a window platform
- (4) system software
- (5) application software

Q186. A saved document is referred to as.....

- (1) file
- (2) folder
- (3) project
- (4) data
- (5) word

Q187. Programs such as Internet Explorer that serve as navigate windows into the web are called :

- (1) Networks
- (2) Hypertext
- (3) Web Site
- (4) Web Browser
- (5) Internet

Q188. By an intranet we mean:

- (1) A LAN of an organization
- (2) A wide area network for all branches of an organization
- (3) Personal Network of top management of an organization
- (4) A network connecting all computers of an organization using Internet protocol
- (5) Metropolitan Area Network



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Q189. The brain of a computer is.....

- (1) Floppy Disk
- (2) CPU
- (3) CD
- (4) COBOL
- (5) Megabyte

Q190. Example of telecommunication device is a.....

- (1) modem
- (2) printer
- (3) keyboard
- (4) scanner
- (5) mouse

Q191. What is the full form of internet communication language TCP/IP?

- (1) Transmission Control Practice/ Internet Practice
- (2) Transmission Control Protocol/ Internet Protocol
- (3) Transport Control Protocol/ Internet Protocol
- (4) Transport Component Practice/ International Practice
- (5) Telephone Call Protocol/ International Protocol

Q192. Chip is a common nickname for a(n).....

- (1) Transistor
- (2) Semi conductor
- (3) Resister
- (4) Hard disk
- (5) Integrated circuit

Q193. A device that not only provides surge protection, but also furnishes the computer with battery backup power during a power outage is.....

- (1) Battery strip
- (2) UPS
- (3) Surge strip
- (4) USB
- (5) Memory

Q194. Select the best description of Read Only Memory (ROM).

- (1) Volatile used to store only memory
- (2) Volatile used to store information that does not change during system operation
- (3) Volatile used to store information that changes during system operation
- (4) Non-volatile used to store information that changes during system operation



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(5) Non-volatile used to store information that does not change during system operation

Q195. MIPS in measuring processor speed stands for.....

- (1) Monthly Instructions Per Second
- (2) Million Instructions Per Second
- (3) More inputs per system
- (4) Million inputs per second
- (5) More instructions per system

Q196. What is the ultimate purpose of defragmentation ?

- (1) Delete temporary files
- (2) Format the PC
- (3) Make the PC faster
- (4) Create more free space
- (5) Reduce power consumption

Q197. Programs such as Mozilla Firefox that serve navigate windows into the web are called.....

- (1) Web browser
- (2) Networks
- (3) Internet
- (4) Hyper Text
- (5) Word processor

Q198. In ROM BIOS, the acronym BIOS stands for.....-

- (1) Basic Input Output System
- (2) Basic Input Organizational System
- (3) Basic Industry Operating System
- (4) Base Input Operating Set
- (5) Basic Initiative Output Set

Q199. is a method in which multiple communication devices are connected to one another efficiently.

- (1) Routing
- (2) Redundancy
- (3) Detecting
- (4) Modem
- (5) None of the above

Q200. The Database Management System (DBMS) is.....

- (1) Hardware system stores information
- (2) Hardware system used to create, maintain and provide controlled access to a database



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- (3) Hardware system used to create, maintain and provide uncontrolled access to a database
- (4) Software system used to create, maintain and provide uncontrolled access to a database
- (5) Software system used to create, maintain and provide controlled access to a database

---Answer---

A1.4	A33.3	A65.1
A2.2	A34.4	A66.5
A3.3	A35.2	A67.1
A4.2	A36.2	A68.4
A5.5	A37.4	A69.2
A6.1	A38.1	A70.5
A7.2	A39.4	A71.4
A8.1	A40.4	A72.5
A9.1	A41.2	A73.3
A10.4	A42.1	A74.5
A11.4	A43.5	A75.3
A12.1	A44.3	A76.2
A13.5	A45.2	A77.1
A14.5	A46.2	A78.1
A15.3	A47.1	A79.5
A16.1	A48.4	A80.2
A17.4	A49.1	A81.3
A18.5	A50.3	A82.1
A19.4	A51.5	A83.5
A20.2	A52.1	A84.2
A21.3	A53.5	A85.1
A22.4	A54.5	A86.4
A23.5	A55.2	A87.2
A24.2	A56.1	A88.1
A25.4	A57.3	A89.4
A26.5	A58.3	A90.3
A27.3	A59.4	A91.4
A28.4	A60.4	A92.2
A29.3	A61.2	A93.1
A30.5	A62.4	A94.5
A31.2	A63.3	A95.4
A32.4	A64.3	A96.1



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A97.3	A132.5	A167.4
A98.5	A133.2	A168.1
A99.4	A134.3	A169.5
A100.3	A135.5	A170.1
A101.5	A136.5	A171.1
A102.2	A137.1	A172.5
A103.1	A138.2	A173.4
A104.4	A139.3	A174.4
A105.5	A140.1	A175.1
A106.3	A141.2	A176.3
A107.3	A142.2	A177.3
A108.5	A143.4	A178.5
A109.4	A144.4	A179.5
A110.1	A145.4	A180.1
A111.5	A146.1	A181.5
A112.2	A147.4	A182.3
A113.3	A148.5	A183.1
A114.2	A149.1	A184.1
A115.4	A150.1	A185.5
A116.1	A151.1	A186.1
A117.5	A152.2	A187.4
A118.3	A153.4	A188.4
A119.3	A154.5	A189.2
A120.1	A155.4	A190.1
A121.2	A156.4	A191.2
A122.4	A157.3	A192.5
A123.5	A158.2	A193.2
A124.3	A159.3	A194.5
A125.3	A160.4	A195.2
A126.2	A161.1	A196.4
A127.5	A162.2	A197.1
A128.1	A163.1	A198.1
A129.2	A164.5	A199.1
A130.5	A165.5	A200.5
A131.2	A166.1	

---answer---

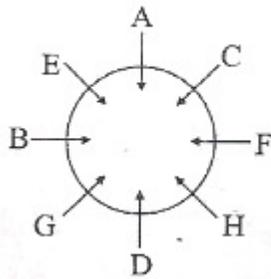
---Explanation---



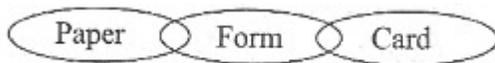
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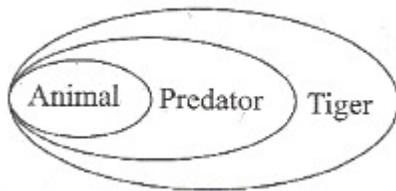
E1.



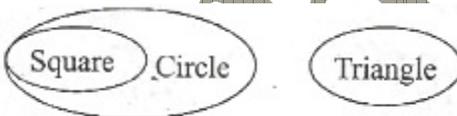
E6.



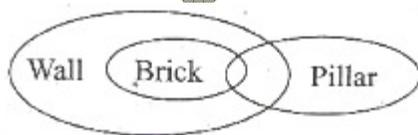
E7.



E8.



E9.





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E10.



E16. **Conclusions :**

I. $N > R \rightarrow$ Follow

II. $R = N \rightarrow$ Not Follow $\{ \because N > R \}$

E17. **Conclusions :**

I. $B > Z \rightarrow$ Not Follow

$\{ \because$ Relationship not exist)

II. $W < A \rightarrow$ Not Follow

$\{ \because$ Relationship not exist)

E18. **Conclusions :**

I. $I > M \rightarrow$ Follow

II. $L < H \rightarrow$ Follow

E19. **Conclusions :**

I. $C \geq G \rightarrow$ Not Follow

$\{ \because$ Relationship not exist)

II. $F > E \rightarrow$ Not Follow $\{ \because E > F \}$

E20. **Conclusions :**

I. $V \geq U \rightarrow$ Not Follow

$\{ \because$ Relationship not exist)

II. $V < R \rightarrow$ Follow

E21. By using I we get, $Q > R, S > T > P$

By using II we get, $Q > R > S, T, P$

E23. By using both we get,

<u>Mon</u>	<u>Tues</u>	<u>Wed</u>	<u>Thursday</u>	<u>Friday</u>
Botany	Math	Physics	Chem	Zoology



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E26. **Step I:** 89 fun at 28 16 base camp 35 53 here 68 the.

Step II: 16 89 fun at 28 base camp 35 53 68 the here.

Step III: 68 16 89 at 28 base camp 35 53 the here fun.

Step IV : 28 68 16 89 at base 35 53 the here fun camp.

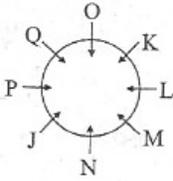
Step V: 53 28 68 16 89 at 35 the here fun camp base.

Step VI: 35 53 28 68 16 89 the here fun camp base at.

E33.

Words	create	and	new	ideas	
Codes	ba	fa	ri	gi	
Words	thoughts	insights	always	better	solution
Codes	ma	jo	sha	to/ki	ki/to

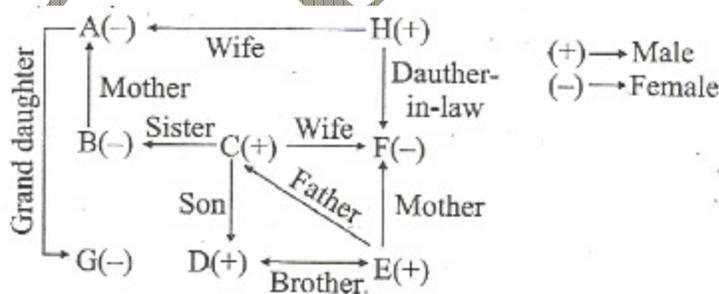
E41.



E43. Except in 'Option (5)', First person is sitting immediate right to the second person.

E45. O,Q

E46.



E49. AFN OHP EGT UCB IMD

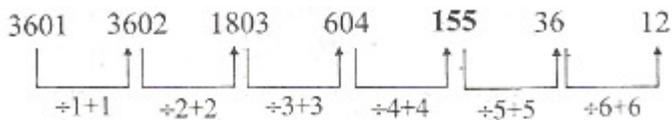


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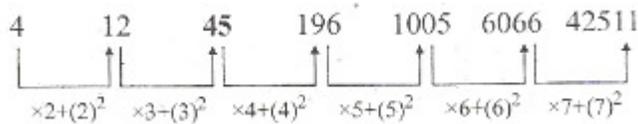
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E50. AFN **HOP** EGT CBU DIM

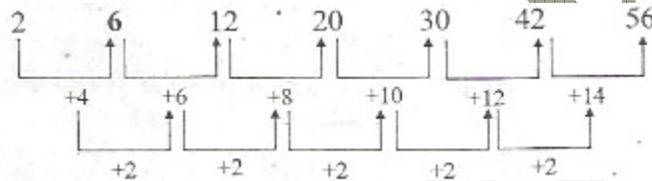
E91.



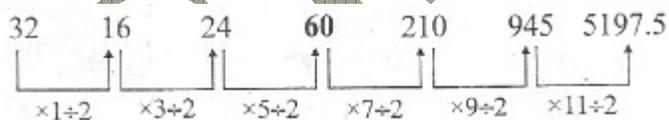
E92.



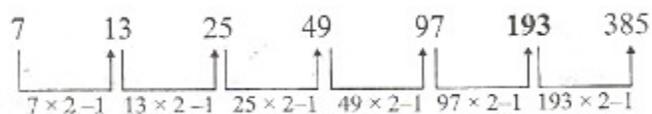
E93.



E94.



E95.





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E96. Let the common ratio be x .

The amount invested in Debit Funds = $4x$

The amount invested in Equity Funds = $5x$

After one year, Mr. X's total amount (including dividend)

$$= 4x \times 130/100 + 5x \times 130/100 \Rightarrow 11.7x$$

Amount reinvested in Equity Funds = $11.7x \times 7/13$

$$11.7x \times 7/13 = 94500$$

$$6.3x = 94500$$

$$\Rightarrow x = \text{Rs. } 15000/-$$

\therefore The original amount invested in Equity Funds

$$= 5 \times 15000 \Rightarrow \text{Rs. } 75,000/-$$

E97. Let the son's present age be x years.

Father's present age = $(x + 30)$ years

After ten years. Father's age = $x + 30 + 10 = x + 40$

Son's age = $x + 10$

According to question.

$$3(x + 10) = x + 40$$

$$3x + 30 = x + 40$$

$$2x = 10$$

$$x = 5 \text{ years}$$

E98. Change in area = $20 - 20 - 20 \times 20 / 100 = -4\%$

\therefore 4% area is decreased.

Let x be the initial area.

Then, $96x/100 = 192$

$$\Rightarrow 96x = 19200$$

$$\Rightarrow x = 19200/96$$

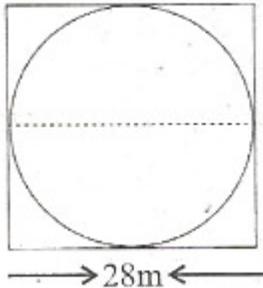
$$x = 200 \text{ m}^2$$

E99.



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$$\begin{aligned}\text{Required area} &= \text{Area of square} - \text{Area of circle} \\ &= 28^2 - \frac{22}{7} \times 14^2 \\ &= 784 - 616 \\ &= 168 \text{ m}^2\end{aligned}$$

$$\begin{aligned}\text{E100. Ratio between work done by Amit and Sujit} &= 100 : 80 = 5 : 4 \\ \text{Total work done by Amit} &= 576000 \times \frac{5}{9} = 320000 \\ \text{Total working hours by Amit} &= 8 \times 5 = 40 \text{ hours} \\ \therefore \text{Amit's speed} &= 320000 / 40 = 8000 \text{ depression/hour}\end{aligned}$$

$$\text{E101. Required profit} = 30 - 10 - \frac{300}{100} = 17\%$$

$$\begin{aligned}\text{E102. By I and III we get.} \\ \text{S.I.} &= \text{Rs. } 3,000/- \\ \text{Difference of C.I. and S.I.} &= \text{Rs. } 100/- \\ \text{By using formula of Rate,} \\ \text{Rate} &= \frac{2 \times \text{Difference in C.I. \& S.I.}}{\text{S.I.}} \times 100 \\ \text{Rate} &= \frac{2 \times 100}{3000} \times 100 = 6.67\%\end{aligned}$$

$$\begin{aligned}\text{E103. By I and II we get,} \\ \text{Speed} &= \frac{x + y}{n} \\ \text{By II and III we get,} \\ \text{Speed} &= \frac{y}{n} \\ \text{By I and III we get,} \\ \text{Let the length of the train} &= L \\ \text{Speed} &= \frac{L}{m} \\ m \times \text{Speed} &= L \quad \dots(i)\end{aligned}$$

$$\text{Speed} = \frac{x + L}{n}$$



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$$\text{Speed} \times n = x + m \times \text{Speed}$$
$$\text{Speed} = \frac{x}{n} - m$$

E105. By using I and III we get,
Let the common ratio be x .

Amount invested in scheme A = $2x$

Amount invested in scheme B = $3x$

$$45000 = 2x$$

$$\Rightarrow x = \text{Rs. } 22,500/-$$

\therefore Amount invested in scheme B = $3 \times 22500 = \text{Rs. } 67,500/-$

By using II and III we get,

Let the total amount invested = Rs. x

$$40x / 100 = 45000$$

$$\Rightarrow x = \text{Rs. } 1,12,500/-$$

\therefore Amount invested in scheme B = $1125000 - 45000 = \text{Rs. } 67,500/-$

E107.

Post	I	II	III	IV	V	VI
Percentage of short listed candidates	6.8	4.9	2.3	5.2	3.1	6.9

E108. Required average

$$= \frac{5200 + 8400 + 7600 + 2600 + 3800 + 4400 + 6000}{7}$$

$$\Rightarrow \frac{38000}{7} = 5428.57 \approx 5500$$

E109. Total number of Shortlisted candidates = 1645

Total number of Eligible candidates = 25200

\therefore Required percentage = $\frac{1645}{25200} \times 100 = 6.5\%$

E110. Total number of Shortlisted

Candidates from State E = 1535

Candidates from State G = 1845

\therefore Required ratio = $1535 : 1845 = 307 : 369$

E112.



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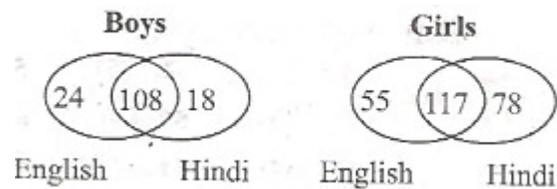
State	A	B	C	D	E	F	G
Percentage	5.6	5.2	5.4	4.7	4.1	3.8	4

E113. Total number of candidates shortlisted from all states
for Post V = 1650 from all states

for Post VI = 2780

$$\begin{aligned}\text{Required ratio} &= 1650 : 2780 \\ &= 165 : 278\end{aligned}$$

E114.



E116. $24 + 108 + 55 + 117 = 304$

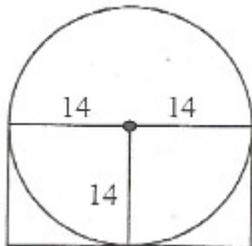
E117. Total number of students speaking only Hindi = 96

Total number of girls speaking only Hindi = 78

$$\therefore \text{Required percentage} = \frac{78}{96} \times 100 = 81.25\%$$

E118. Required ratio = $108 : 117$
 $= 12 : 13$

E119. The Area of circle = $22/7 \times (r)^2$



$$22/7 \times r^2 = 616$$

$$r = \sqrt{616 \times 7/22}$$



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$$\Rightarrow r = 14\text{cm}$$

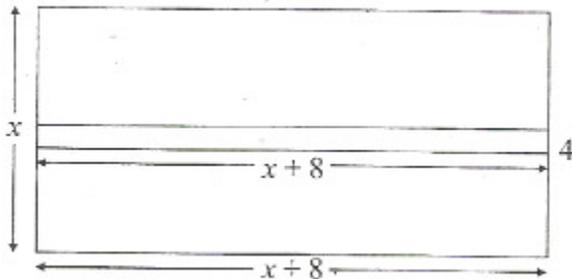
Length of rectangle = 28 cm

Breadth of rectangle = 14 cm

$$\begin{aligned}\therefore \text{Area of rectangle} &= \text{Length} \times \text{Breadth} \\ &= 28 \times 14 \\ &= 392 \text{ cm}^2\end{aligned}$$

$$\begin{aligned}\text{E120. Required average} &= 5.5 + 7.8 + 8 + 9.1 + 11.2 / 5 \\ &= 41.6 / 5 \\ &= 8.32\end{aligned}$$

E121.



According to question,

$$x(x + 8) - 4(x + 8) = 253$$

$$x^2 + 8x - 4x - 32 = 253$$

$$x^2 + 4x - 285 = 0$$

$$x^2 + 19x - 15x - 285 = 0$$

$$x(x + 19) - 15(x + 19) = 0$$

$$(x + 19)(x - 15) = 0$$

$$x = 15\text{m}$$

$$\therefore \text{Area of plot} = 15 \times 23 = 345 \text{ m sq}$$

$$\begin{aligned}\text{E122. Required ratio} &= 220 + 180 + 200 / 260 + 320 + 340 \\ &= 600 / 920 \\ &= 15 : 23\end{aligned}$$

$$\begin{aligned}\text{E123. Required percentage} &= 284.28 - 214.28 / 214.28 \times 100 \\ &= 700000 / 21428\end{aligned}$$



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$$= 32 \frac{2}{3}\%$$

E124. Total number of mobile phones sold by store F = 1080

Total number of mobile phones sold by store B = 760

$$\therefore \text{Required difference} = 1080 - 760 = 320000$$

E125. Total sales of store F

$$= 260 \times 22000 + 430 \times 25000 + 390 \times 28000$$

$$= 5720000 + 10750000 + 10920000 = 27390000$$

Total sales of store D

$$= 180 \times 22000 + 240 \times 25000 + 320 \times 28000$$

$$= 3960000 + 6000000 + 8960000 = 18920000$$

$$\therefore \text{Required percentage} = \frac{27390000 - 18920000}{18920000} \times 100 \approx 44\%$$

E126. Nexus mobiles sold by store Band E in 2009

$$= (160 + 340) \times \frac{115}{100} = 575000$$

Apple mobiles sold by stores B and E in 2009

$$= (340 + 300) \times \frac{110}{100} = 704000$$

$$\therefore \text{Total number of mobiles} = 1279000$$

E127. Required Loss Percentage

$$\frac{25600 \times \frac{23}{100} - 19200 \times \frac{23}{100}}{25600 \times \frac{23}{100}} \times 100$$

$$= 25\%$$

E128. Required percentage of Non-Academic books

$$= \frac{25600 \times \frac{10}{100}}{25600 \times \frac{28}{100}} \times 100$$

$$= 35.71\% \approx 36\%$$

$$E129. \text{Required ratio} = \frac{19200 \times \frac{12}{100}}{25600 \times \frac{16}{100}} = 9 : 16$$

E130. Required difference = $25600 \times \frac{18}{100} - 19200 \times \frac{20}{100}$

$$= 4608 - 3840 = 768$$

E131. Required percent

$$25600 \times \frac{21}{100} - 19200 \times \frac{23}{100} / 19200 \times \frac{23}{100} \times 100$$



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$$\begin{aligned} &= 5376 - 4416 / 4416 \times 100 \\ &= 21.73\% \approx 22\% \end{aligned}$$

E132. Books published by company D
 $= 25600 \times 16 / 100 = 40\%$
 $= 4096$

E133. For scheme A,

$$\text{Simple interest} = 1500 \times 5 \times 14 / 100 = 1,050/-$$

$$\text{Amount} = 1500 + 1050 = \text{Rs. } 2,550/-$$

Let the amount invested in scheme B be Rs. x.

$$1408 = x \left\{ (1 + 20/100)^2 - 1 \right\}$$

$$1408 = x \left\{ 36 - 25/25 \right\}$$

$$x = \text{Rs. } 3200/-$$

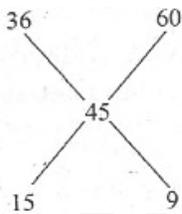
Additional money invested in scheme B apart from the amount received from scheme A = $3200 - 2550 = \text{Rs. } 650/-$.

E134. Let the value of mixture be x.

According to question,

$$x \times 120/100 = 54$$

$$x = \text{Rs. } 45/-$$



$$\therefore \text{Required ratio} = 15 : 9 = 5 : 3$$

E135. Let the present age of swati be x.

$$\text{So, Jyoti's age} - 8 = x$$

$$\text{Jyoti's age} = x + 8$$

According to question,

$$x + 8 + 10 + x - 6 = 88$$

$$2x = 76$$

$$x = 38 \text{ years}$$

$$\therefore \text{Kusum's age} = x - 8 - 14$$

$$= 38 - 8 - 14 = 16 \text{ years}$$



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E136. I. $2x^2 - 7x + 3 = 0$

$$2x^2 - 6x - x + 3 = 0$$

$$2x(x - 3) - 1(x - 3) = 0$$

$$(2x - 1)(x - 3) = 0$$

$$x = 1/2, 3$$

II. $2y^2 - 7y + 6 = 0$

$$2y^2 - 4y - 3y + 6 = 0$$

$$2y(y - 2) - 3(y - 2) = 0$$

$$(y - 2)(2y - 3) = 0$$

$$y = 2, 3/2$$

E137. I. $4x^2 + 16x + 15 = 0$

$$4x^2 + 10x + 6x + 15 = 0$$

$$2x(2x + 5) + 3(2x + 5) = 0$$

$$(2x + 3)(2x + 5) = 0$$

$$x = -3/2, -5/2$$

II. $2y^2 + 3y + 1 = 0$

$$2y^2 + 2y + y + 1 = 0$$

$$2y(y + 1) + 1(y + 1) = 0$$

$$(2y + 1)(y + 1) = 0$$

$$y = -1/2, -1$$

so, $x < y$

E138. I. $9x^2 - 45x + 56 = 0$

$$9x^2 - 24x - 21x + 56 = 0$$

$$3x(3x - 8) - 7(3x - 8) = 0$$

$$(3x - 7)(3x - 8) = 0$$

$$x = 7/3, 8/3$$

II. $4y^2 - 17y + 18 = 0$

$$4y^2 - 9y - 8y + 18 = 0$$

$$y(4y - 9) - 2(4y - 9) = 0$$

$$(y - 2)(4y - 9) = 0$$

$$y = 2, 9/4$$

so, $x > y$



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E139. I. $2x^2 + 11x + 14 = 0$

$$2x^2 + 7x + 4x + 14 = 0$$

$$x(2x+7) + 2(2x+7) = 0$$

$$(x+2)(2x+7) = 0$$

$$x = -2, -7/2$$

II. $2y^2 + 15y + 28 = 0$

$$2y^2 + 7y + 8y + 28 = 0$$

$$y(2y+7) + 4(2y+7) = 0$$

$$y = -4, -7/2$$

so, $x \geq y$

E140. I. $6x^2 + 11x + 4 = 0$

$$6x^2 + 8x + 3x + 4 = 0$$

$$2x(3x+4) + 1(3x+4) = 0$$

$$(2x+1)(3x+4) = 0$$

$$x = -1/2, -4/3$$

II. $4y^2 - 7y - 2 = 0$

$$4y^2 - 8y + 1y - 2 = 0$$

$$4y(y-2) + 1(y-2) = 0$$

$$(y-2)(4y+1) = 0$$

$$y = 2, -1/4$$

so, $x < y$

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