

IBPS CLERK – V MAINS GRAND TEST - 1

NAME: _____

Batch: _____

Date: _____

MAX MARKS: 200

MAX TIME: 2 Hours

-Ve Marking: 0.25

REASONING

Directions (1 – 5): In these questions, relationship between different elements is shown in the statements.

The statements are followed by two conclusions.

Give answer (a) If **Only Conclusion I** is true.

Give answer (b) If **Only Conclusion II** is true.

Give answer (c) If **either conclusion I or II** is true.

Give answer (d) If **neither Conclusion I nor II** is true.

1. **Statements:** $A \geq B = C \leq D$

Conclusions: I. $A \geq C$ II. $D > A$

2. **Statements:** $P < Q = M \geq N < O$

Conclusions: I. $Q > O$ II. $P < M$

3. **Statements:** $T > R < S = U > V; U \geq M$

Conclusions: I. $M \geq R$ II. $T \leq M$

4. **Statements:** $Q \leq P \geq M \leq N = T; N \leq O$

Conclusions: I. $O \geq T$ II. $O \leq Q$

5. **Statements:** $D > E = F \leq C \geq P < Q$

Conclusions: I. $E < Q$ II. $F \geq P$

Directions (6 – 10): Study the following information carefully and answer the questions given below:

In a certain code language, 'bank for my conductor' is written as 'ya ri vi pa'.

'for conductor is my' is written as 'ri vi pa da'.

'my computer is yours' is written as 'da vi pi du'.

'it yours tablet' is written as 'yu du ca'.

6. Which of the following is the code for 'conductor'?

(a) da (b) ri (c) ya (d) pa (e) ri or pa

7. Which of the following may represent 'ya pi du'?

(a) my computer tablet (b) yours computer bank
(c) yours tablet bank (d) computer for bank
(e) my tablet conductor

8. What is the code for 'my'?

(a) ri (b) pa (c) du (d) vi (e) da

9. What does the code 'pa' stand for?

(a) for (b) conductor (c) my (b) bank
(e) cannot be determined

10. In that code language 'my computer' can be coded as:

(a) pi vi (b) pi da (c) vi ri (d) pi ya (e) du pi

Directions (11-15): In each question below are two statements followed by two conclusions numbered I and II. you have to take the two given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the two statements disregarding commonly known facts.

Give answer (a) If only conclusion I follows

Give answer (b) If only conclusion II follows

Give answer (c) If either conclusion I or conclusion II follows

Give answer (d) If neither conclusion I nor conclusion II follows

Give answer (e) If both conclusion I and conclusion II follow.

11. **Statements:**

Some apples are oranges. Some oranges are potatoes

Conclusions:

I. No orange is apple.

II. At least some potatoes are oranges.

12. **Statements:**

No pen is pencil.

No pencil is ink.

Conclusions:

I. Some ink are pens.

II. Some pens being ink is a possibility

13. **Statements:**

No elephant is horse. All bulls are horses.

Conclusions:

I. No bull is elephant

II. Some bulls being elephant is a possibility.

14. **Statements:**

Some books are papers. No paper is bottle.

Conclusions:

I. No bottle is book.

II. Some bottles being book is a possibility.

15. **Statements:**

Some mobiles are tablets.

No tablet is personal Computer.

Conclusions:

I. No personal computer is mobile.

II. Some personal computers are mobiles.

Directions (16 – 20): Study the following information carefully and answer the questions given below:

Ten people are sitting in two parallel rows containing five people each, in such a way that there is an equal distance between adjacent people. In Row – 1, V, W, X, Y and Z are seated and all of them are facing south. In Row – 2, H, I, J, K and L are seated and all of them are facing north. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row.

Y is sitting to the immediate left of W. H is to the immediate left of person who faces V. L is sitting third to the right of J. Z is at the extreme end of the line. X faces L. W is sitting second to the right of the person who faces K. J is at the extreme end of the line.

16. Who amongst the following is sitting second to the left of v?

(a) Y (b) X (c) W (d) Z (e) None of these

17. Who amongst the following sit at the extreme ends of the two rows?

(a) I, J, W, Z (b) X, Z, J, L (c) W, X, K, J

(d) Z, Y, J, H (e) W, Z, J, L

18. Which of the following statements is true regarding K?

(a) K sits third to the right of J.

- (b) K is not an immediate neighbor of H.
 (c) K sits second to the left of I.
 (d) K faces Y
 (e) There are three persons to the left of K.

19. Which of the following statements is true regarding J?

- (a) J is at extreme right position
 (b) J is sitting between H and L (c) J faces V
 (d) K is an immediate neighbor of J
 (e) None is true

20. Who among the following sits exactly between X and Y?

- (a) W (b) V (c) Z (d) Cannot be determined
 (e) There is no person between X and Y

Directions (21 – 25): Study the following information carefully and answer the questions given below:

Seven friends – A, B, C, D, E, F and G – joined different languages courses viz, Marathi, Hindi, Bengali, Odiya, Telugu, Gujarathi and Malayalam on the seven different days of the same week from Monday to Sunday, but not necessarily in the same order.

Only three friends joined courses after D. Only two friends joined courses between D and the one who joined Bengali language. Only three friends joined language courses between the persons who joined Bengali and Odiya and Malayalam languages. Only one friend joined between G and the person who joined Telugu language. G joined courses neither on Tuesday nor on Wednesday. Neither G nor E joined Odiya language. Only three friends joined language courses between G and C. A joined language course on the day immediately before the one who joined Malayalam language. Neither D nor E joined Malayalam language. B joined Hindi language but neither on Wednesday nor Sunday. A did not join Gujarati language but joined in 1st day.

21. On which of the following days of the week A did join the language course?

- (a) Tuesday (b) Monday (c) Friday (d) Wednesday
 (e) Thursday

22. Who among the following did join the Bengali language course?

- (a) A (b) D (c) F (d) G (e) E

23. Who among the following joined the Odiya language course?

- (a) C (b) D (c) F (d) A (e) Either A or F

24. Which of the following combinations of Day – Person – Course is not correct?

- (a) Wednesday – F – Odiya
 (b) Saturday – G – Gujarati
 (c) Thursday – D – telugu (d) Monday – C – Bengali
 (e) Friday – B – Hindi

25. Who among the following joined the language course on the last day of the week, i.e. Sunday?

- (a) E (b) F (c) C (d) G (e) B

Directions (146 – 148): Study the following information carefully and answer the questions given below:

A and B are husband and wife. C is son of B. D is son of C. C is married to P. P is mother of M. R is daughter of M. M is mother of T.

26. Who among the following is the grandson of A?

- (a) C (b) D (c) M (d) T (e) P

27. Who among the following is the granddaughter of C?

- (a) R (b) T (c) D (d) M (e) P

28. Who among the following is mother-in-law of P?

- (a) A (b) B (c) M (d) Either A or B
 (e) None of these

Directions (29 – 31): Study the following information carefully and answer the questions given below:

Among five persons – M, N, O, P and Q – each having different height. N is taller than O but shorter than M. Q is taller than only P. The second tallest person is 165 cm tall while the second shortest is 155 cm tall.

29. Who among the following is the tallest?

- (a) Q (b) O (c) M (d) N (e) None of these

30. Who among the following may be 160 cm tall?

- (a) O (b) N (c) Q (c) P (e) None of these

31. Who among the following is shorter than N but taller than Q?

- (a) P (b) M or O (c) M (d) O (e) None of these

Directions (32 – 35): Study the following information carefully and answer the questions given below:

M, V, K, D, T, J and R are seven friends studying in different classes – IIIrd, IVth, Vth, VIth, VIIth, VIIIth and IXth standards. Each of them has different favourite colours – yellow, blue, red, white, black, green and violet. J likes red and studies in class Vth. R likes violet and studies in Class IIIrd. M studies in class VIIIth and does not like either green or yellow. K likes white and does not study either in VIIth or in IVth. D studies in VIth and likes black. T does not study in IVth. V does not like green.

32. In which standard does K study?

- (a) IIIrd (b) Vth (c) IVth (d) VIIth
 (e) None of these

33. What is M's favourite colour?

- (a) Red (b) Yellow (c) Green (d) Blue
 (e) None of these

34. In which standard does 'V' study?

- (a) IVth (b) IXth (c) VIIIth (d) Data inadequate
 (e) None of these

35. What is V's favourite colour?

- (a) Green (b) Red (c) Yellow (d) Data inadequate
 (e) None of these

36. **Statement:** The Government is working on a proposal to double the investment threshold that defines micro, small and medium enterprises (MSMEs).

Which of the following cannot be a possible effect of the above proposal if it is accepted?

(a) The MSMEs would grow at rapid pace as many small entities prefer to be small for the fear of losing out the tax benefits.

(b) If the sizes of companies are bigger then they are less vulnerable and their issues can be addressed in a better way.

(c) The MSMEs would discard its basic structure and these would come in direct competition with the bigger companies

(d) The step would enable more companies to get tax benefits currently available to MSMEs.

(e) Technological up gradation and more R & D would be available to MSMEs.

37. Effect: The reserve Bank of India has increased the priority sector housing loans to Rs. 40 lakh per unit. Which of the following can be a possible **cause** of the above statement?

(a) The government is facing great challenge to provide affordable housing to the needy people.

(b) The definition of affordability in most of the cities has changed and more funds are needed to purchase a dwelling unit.

(c) Real estate developers are focusing on high-end luxury segment and ignoring the lower segment

(d) The cost of building materials have surpassed the prices of land for housing

(e) Banking industry has sought permission to finance and purchase also.

38. Statement: The Income Tax authorities carried out raids at three different business houses in the city last week.

Which of the following can be a possible **effect** of the above statement?

(a) The three business houses are regular defaulters in payment of their income tax.

(b) The income Tax department had received a tip off about the illegal activities going on in the three business houses.

(c) The government decided to look into the matter and has appointed an inquiry committee

(d) Other business houses took immediate action to clear off all their income tax dues in order to avoid a raid on their establishments.

(e) The authorities intend to conduct raids in several other business houses in the vicinity.

Directions (39-40): Read the following information carefully and answer the questions given below:

Point B is 4 metres towards the North of point A.

Point E is 8 metres towards the East of point B.

Point C is 5 metres towards the East of Point A.

Point D is 9 metres towards the West of point C.

39. How far should one walk from point A in order to reach point D?

(a) 4 metres (b) 9 metres (c) 5 metres

(d) 14 metres (e) 8 metres

40. If a person walks 4 metres towards the South from Point E and then walks after taking a right turn, which of the following points would he reach first?

(a) A (b) B (c) C (d) D (e) None of these

ENGLISH LANGAUGE

Directions (41 – 50): 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 are suggested, one of which fits the blanks appropriately. Find out the appropriate word in each case.

Prior to independence the healthcare sector in India was in a **(41)** with a large number of deaths and rampant spread of infectious diseases. After independence the Government of India laid **(42)** on primary healthcare and India has put in sustained efforts to better the healthcare system **(43)** the country. The government initiative was not enough to meet the demands of a growing population be it in primary, secondary or tertiary healthcare. Alternate sources of finance were critical for the sustainability of the health sector.

Till about 20 years ago, private sector ventures in the healthcare sector **(44)** of only solo practitioners, small hospitals and nursing homes. The quality of service provided was excellent especially in the hospitals run by charitable trusts and religious foundations. In 1980's realizing that the government on its own would not be able to **(45)** for health care, the government allowed the entry of private sector to reduce the **(46)** between supply and demand for healthcare. The establishment of the private sector has resulted in the **(47)** of opportunities in terms of medical equipment, information technology in health services, BPO, telemedicine and medical tourism.

Large companies and **(48)** individuals have now started five star hospitals which dominate the space for the high end market. The private sector has made **(49)** progress, but on the flip side it is also responsible for increasing **(50)** in the healthcare sector. The private sector should be more socially relevant and effort must be made to make private sector accessible to the weaker sections of society.

41. (a) Shambles (b) Failure (c) Demand (d) Prosperity (e) ruined

42. (a) bricks (b) emphasize (c) request (d) stress (e) important

43. (a) through (b) across (c) sharing (d) with (e) on

44. (a) made (b) comprise (c) consisted (d) is (e) contained

45. (a) cater (b) provide (c) manage (d) survive (e) give

46. (a) gap (b) position (c) distance (d) length (e) thought

47. (a) reduction (b) sea (c) cropping (d) disabling (e) emergence

48. (a) needy (b) destitute (c) bigger (d) affluent (e) much

49. (a) slowly (b) improve (c) many (d) improvised (e) tremendous

50. (a) speed (b) pace (c) inequality (d) uniformity (e) seriousness

Directions (51 – 60): 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.

When wealth came into existence, a moral structure was made around money. The Puritan legacy inhibited luxury and self-indulgence. Thoughtful people spread a practical gospel that emphasized hard work, temperance and frugality and the result was quite remarkable.

The world has been affluent since its founding. But it was, by and large, not corrupted by wealth. For centuries, it remained industrious, ambitious and frugal. Over the past 30 years, much of that has been shredded. The social norms and institutions that encouraged frugality and spending what you earn have been undermined. The institutions that encourage debt and living for the moment have been strengthened.. The moral guardians are forever looking for decadence out of movies and reality shows. But the most rampant decadence today is financial decadence, the trampling of decent norms about how to use and harness money.

The deterioration of financial traditions has meant two things. First, it has meant an **explosion** of debt that inhibits social mobility and ruins lives. Second, **the transformation has led to a stark financial polarization**. On one hand, there is what is called an investor class. It has tax- deferred savings plans, as well as an army of financial advisers. On the other hand, there is the lottery class, people with little access to financial planning but plenty of access to payday lenders, credit cards and lottery agents.

The loosening of financial inhibition has meant more options for the well – educated but more temptation and chaos for the most vulnerable. Social norms, the invisible threads that guide behavior, have deteriorated. Over the past years, people have been more socially conscious about protecting the environment and inhaling tobacco. They have become less socially conscious about money and debt.

The agents of destruction are many and state governments have also played a role. They hawk their lottery products with **aggression**, which some people call a tax on stupidity. Twenty per cent of the world's population consists of frequent players, spending about \$60 billion a year. Aside from the financial toll, the moral toll is comprehensive. Here is the government, the guardian of order, telling people that they don't have to work to build for the future. They can **strike it rich** for nothing.

Payday lenders have also played a role. They seductively offer fast cash – at **absurd** interest rates – to 15 million people every month. Credit card companies have played a role. Instead of targeting the financial astute, who pay off their debts, they have found that they can make money off the young and vulnerable. Fifty – six per cent of students in their final year of college carry four or more credit cards. The nation's leaders have played a role as they have always

had an incentive to shove costs for current promises onto the backs of future generations. It has only now become respectable to do so. The market itself has played a role. Software stalwarts built socially useful products to make their fortune. But what message do the salary packages that their top, managers get send across the country when they ignore millions of fellow countrymen who suffer from poverty, malnutrition or hunger? Austerity has become a thing of the past.

The list could go on. But there could be some recommendations. First, raise public consciousness about debt the way the anti-smoking activists did with their campaign. Second, create institutions that encourage **thrift**. Foundations and religious institutions could issue short – term loans to cut into the payday lenders' business. Colleges could reduce credit card advertising on campus. The tax code should tax consumption not income.

But the most important thing is to shift values. The 'wise' made it prestigious to embrace certain middle class virtues. Now it's socially acceptable to undermine those virtues. It is considered normal to play the debt game and imagine that decisions made today will have no consequences in the future.

51. What does the author mean by the phrase '**the transformation has led to a stark financial polarization**' as used in the passage?
- The deterioration of social norms has benefited only the wealthy and the knowledgeable while the vulnerable class of people has fallen into a debt trap.
 - Since moral inhibitions no longer exist, the debt agents provide loans only to the affluent class thus widening the gap between the rich and the poor.
 - The debt culture is being utilized as a measure to draw money from the wealthy class by credit card companies
 - Both (a) & (b)
 - None of these
52. Which of the following is true in context of the passage?
- Ever since its existence, money has ruined lives owing to lack of awareness among people regarding its unrestricted usage
 - Government has taken many initiatives to control the rampant money lending business to protect vulnerable sections of the society.
 - Government throughout the world have been putting tax on amount of consumption of an individual rather than his / her income
 - Credit card companies are discreet enough to provide credit cards to only those people who guarantee repaying money in the future
 - None is true
53. Which of the following can be the most appropriate title for the given passage?
- The debt culture and government initiatives to curtail it
 - Breaking social barriers – taking the route of financial indulgence

- (c) Accumulation of debt – a lesson for the future generations
 (d) Effect of ‘consumerism’ on the world market
 (e) Lack of perseverance for saving money in India.

54. Which of the following, according to the author, has / have been responsible for the encouragement of culture of debt in the society lately?

- (A) The changing lifestyle which makes it impossible for, a common man to sustain himself without debts and loans.
 (B) Breaking down of moral institutions which supported economic prudence.
 (C) Provision for easy availability of loans to every sector of the society regardless of their ability to repay these.

- (a) Only A (b) Only B (c) Both A and C
 (d) Both B and C (e) None of these

55. The author of the given passage seems to be definitely

- ____
 (a) Suggesting that the agents of debts be banned from the society.
 (b) Unaware of the benefits associated with the easy availability of loans these days
 (c) in favour of bringing back the financial restrictions once imposed by the society
 (d) not supportive of campaigns related to anti- tobacco and saving the environment
 (e) None of these

Directions (56 – 58): Choose the word / group of words which is most similar in meaning to the word / phrase printed in bold as used in the passage.

56. **THRIFT**

- (a) Compassion (b) Prudence (c) pleasure
 (d) Acceptance (e) Frugality

57. **STRIKE IT**

- (a) Smash (b) Reveal (c) Register (d) Assume
 (e) Become

58. **AGGRESSION**

- (a) Violence (b) Hostility (c) Offensively
 (d) Determination (e) Belligerence

Directions (59 – 60): Choose the word / phrase which is most opposite in meaning to the word printed in bold as used in the passage.

59. **EXPLOSION**

- (a) Deflation (b) Split (c) Reduction (d) Simplification
 (e) Alteration

60. **ABSURD**

- (a) Expensive (b) Diplomatic (c) Consistent
 (d) Invariable (e) Reasonable

Directions (61 – 65): Read each sentence to find out whether there is any grammatical error in it. The error if any will be in one part of the sentence, the number of that part will be the answer. If there is no error, the answer is (e). i.e., ‘No error’. (Ignore the errors of punctuation, if any.)

61. It was an evening of (a) / fun and frolic as the city’s glitterati (b) / and high- profile businessmen made sure (c) / that they didn’t miss the show. (d) / No error (e)

62. Results founding that boys not only (a) / play more than girls, but (b) / they start earlier, an outcome that (c) / could be clearly related to a cultural influence (d) / No error (e)

63. Videogames may not (a) / necessarily adversely affect (b) / the academic results in children (c) / contrary to most parents’s perception. (d) / No error (e)

64. Celebrities showed their childlike side (a) / yesterday, as most of them turn up wearing (b) / cartoon T- shirts for the screening of (c) / the latest animated film in town. (d) / No error (e)

65. The study focusing exclusively to (a) / critically ill children found that children with chronic illnesses, (b) / especially respiratory illnesses, are most likely, (c) / to develop influenza that requires critical care. (d) / No error (e)

Directions (66 – 70): Rearrange the following sentences (A), (B), (C), (D), (E) and (F) to make a meaningful paragraph and then answer the questions which follow:

(A) In fact according to mainstream economists it is inevitable and a necessary evil in any economy.

(B) It is thus important for every nation to maintain this reserve of labour force to maintain an optimal level of unemployment.

(C) Unemployment is popularly believed to be an index which measures the economic condition of a nation.

(D) This is because it helps avert inflation by providing a reserve army of labour which keeps wages in check.

(E) The problem, however, only emerges when governments indirectly facilitate unemployment in order to curb inflation through various policies and frameworks, depriving a large population of its fundamental rights.

(F) But contrary to popular belief unemployment is not always disadvantageous to the economy of a state.

66. Which of the following sentences should be the **SIXTH (LAST)** after rearrangement?

- (a) A (b) B (c) C (d) E (e) F

67. Which of the following sentences should be the **FIRST** after rearrangement?

- (a) A (b) B (c) C (d) D (e) E

68. Which of the following sentences should be the **FIFTH** after rearrangement?

- (a) A (b) B (c) C (d) E (e) F

69. Which of the following sentences should be the **SECOND** after rearrangement?

- (a) A (b) B (c) D (d) E (e) F

70. Which of the following sentences should be the **THIRD** after rearrangement?

- (a) A (b) E (c) D (d) F (e) C

Directions (71 – 75): Each question below has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits the meaning of the sentence as a whole.

71. As the boat _____, all those on board fortunately managed to reach the bank of the river _____, with the help of the life boats.

- (a) Capasized, drowned (b) Fell, harmlessly

- (c) dropped, uninjured (d) deceased, unhurt
(e) sank, safely
72. Ashmia ___ her team with a lot of skill and the ___ increase in the sales by the team is a measure of her success.
(a) dominates, poor (b) condemns, sudden
(c) manages, significant (d) directs, worthless
(e) overpowers, exceptional
73. On being asked for the passport, he ___ to his dismay that he had ___ to bring it along with him to the airport.
(a) shocked, failed (b) realized, forgotten
(c) pleaded, neglected (d) understood, lost
(e) recognized, missed
74. Helen quickly ___ the career ladder and is now the ___ managing director, the company has ever appointed.
(a) jumped, shortest (b) entered, oldest
(c) started, junior most (d) climbed, youngest
(e) ascended, inexperienced
75. A famous economist says that the government should do more to ___ jobs in the area in order to curb the ___ rate of unemployment.
(a) create, rising (b) need, increasing
(c) employ, high (d) invent, growing
(e) generate, slowing
- Directions (76 – 80):** Which of the phrases (a), (b), (c) and (d) given below each statement should replace the phrase given in bold in the following sentence to make the sentence grammatically meaningful and correct. If the sentence is correct as it is and 'No correction is required', mark (e) as the answer.
76. The corruption charges were a huge blow to his reputation and **his business suffered** to a great extent.
(a) his business suffers to (b) his business suffered on
(c) his business suffering to (d) his business suffers on
(e) No correction required
77. Airline companies pay nearly 25 billion dollars for **their right of fly** over the countries other than their parent country.
(a) their right to fly (b) their right in flying
(c) their right to flying (d) there right to flight
(e) No correction required
78. When he fell down the ditch, he shouted with all his might **so that to catch** someone's attention.
(a) Such that to catch (b) so as to catch
(c) so that to catching (d) so then to catch
(e) No correction required
79. To disparity between the earnings of the poor and the rich **has widen in** the last few decades.
(a) have widen in (b) has widened on
(c) have widened in (d) has widened in
(e) No correction required
80. **Instead of teaching abstracted** concepts, the new and improved textbooks tell stories of real people so that the children can identify with the characters.
(a) in spite of teaching abstracted
(b) instead of taught abstract
(c) Instead of teaching abstract
(d) In spite of taught abstract (e) No correction required

NUMERICAL ABILITY

81. In an urn there are 4 red balls and 3 blue balls. If two balls are drawn at random, find the probability that none is red.
(a) $\frac{2}{7}$ (b) $\frac{4}{7}$ (c) $\frac{1}{7}$ (d) $\frac{3}{7}$
82. On annual day of a school some chocolates were to be distributed equally among 420 children. But on that particular day, due to some reason 140 more children of another school joined them; hence each child got 1 chocolate less. How many chocolates were originally supposed to be distributed among the children?
(a) 1640 (b) 1680 (c) 1690 (d) 1600
(e) None of these
83. Raj kumar got the result of his 8th class. Each subject consists of a maximum of 140 marks. If he scores 98 marks in science; 129 marks in Sanskrit; 131 marks in Maths, 110 marks in English and 120 marks in Hindi, what was his percentage of marks in all the five subject?
(a) 84% (b) 82% (c) 77% (d) 79%
(e) None of these
84. If Suresh sells an article at a price of Rs. 9300, he obtains a gain of Rs. 3100. At what price should he sell the article so that he gets a profit of 25%?
(a) Rs. 7250 (b) Rs. 7350 (c) Rs. 7650
(d) Rs. 7750 (e) None of these
85. There is a circular ground whose area is 246400 sq. metre. If a person runs at the speed of 14.08 m/sec, then how much time will he take to complete the circle?
(a) 125 sec. (b) 130 sec. (c) 100 sec.
(d) 120 sec. (e) None of these
- Directions (86 – 90):** What should come in place of the question mark (?) in the following number series?
86. 2 4 16 96 768 ? 92160
(a) 7680 (b) 7580 (c) 7608 (d) 7090 (e) 7860
87. 14 36 ? 300 894 2676 8022
(a) 101 (b) 102 (c) 103 (d) 104
(e) None of these
88. 5 8 13 20 ? 44 61
(a) 29 (b) 30 (c) 31 (d) 32 (e) 37
89. 11 16 31 56 91 136 ?
(a) 171 (b) 181 (c) 185 (d) 191 (e) 197
90. 3 4 12 45 196 ?
(a) 985 (b) 990 (c) 995 (d) 1000 (e) 1005
91. The simple interest accrued in 2 years on a principal of Rs. 24000 is one-eighth of the principal. What is the rate of simple interest p.c.p.a.?
(a) 5 (b) 4.5 (c) 6.25 (d) 7.25 (e) None of these
92. If a person runs 14.35 km in five weeks, then what distance does he travel every day?
(a) 400 m (b) 410 m (c) 405 m (d) 415 m
(e) None of these
93. If a train 280 metre long runs at the speed of 7.4 m / second, how much time will it take to cross a platform 460 metre long?
(a) 95 sec. (b) 96 sec. (c) 98 sec. (d) 99 sec.
(e) 100 sec.

94. If a trader sells his stock of oranges at Rs. 18270, he gains 45 per cent. What is the cost price of total stock of oranges?
(a) Rs. 12600 (b) Rs. 13600 (c) Rs. 12650
(d) Rs. 13650 (e) None of these
95. If the numerator of a fraction is increased by 20% and its denominator by 25%, then the fraction so obtained is $\frac{3}{5}$. What is the original fraction?
(a) $\frac{3}{5}$ (b) $\frac{3}{8}$ (c) $\frac{5}{8}$ (d) $\frac{7}{11}$ (e) None of these
- Directions (96- 105):** What will come in place of the question mark (?) in the following questions?
96. $\frac{12}{13} + \frac{1}{26} + 1\frac{1}{13} = ?$
(a) $1\frac{1}{26}$ (b) $2\frac{1}{26}$ (c) $1\frac{3}{26}$ (d) $\frac{11}{26}$ (e) None of these
97. $4 \times 566 \div 5 + 24.2 - 36 = (?)^2$
(a) 20 (b) 21 (c) 22 (d) 23 (e) 25
98. $5252 + 2525 = ? \times 25$
(a) 310.8 (b) 311.8 (c) 311.08 (d) 312.8
(e) 312.08
99. $8 \times ? = 4888 \div 4$
(a) 150.75 (b) 125.75 (c) 125.05 (d) 152.75
(e) None of these
100. $39254 + 5217 - 2286 = ? \times 50$
(a) 813.7 (b) 843.7 (c) 834.7 (d) 943.77
(e) None of these
101. $(62.5 \times 14 \times 5) \div 25 + 41 = (?)^3$
(a) 4 (b) 5 (c) 9 (d) 8 (e) 6
102. $(23 \times 23 \times 23 \times 23 \times 23 \times 23)^5 \times (23 \times 23)^2 \div (23)^2 = (23)^?$
(a) 32 (b) 30 (c) 9 (d) 7 (e) 11
103. 27% of 510 + ? = 266.3
(a) 182.6 (b) 122.6 (c) 123.6 (d) 128.6
(e) None of these
104. $2\sqrt{2} \times 3\sqrt{3} \times 7\sqrt{2} \times 4\sqrt{3} = ?$
(a) 1080 (b) 1008 (c) 1800 (d) $40\sqrt{3}$ (e) $168\sqrt{6}$
105. $\frac{5}{8}$ of $\frac{4}{9}$ of $\frac{3}{5}$ of 222 = ?
(a) 42 (b) 43 (c) 39 (d) 37 (e) None of these
106. A car covers a distance from town A to town B at the speed of 58 kmph and covers the distance from town B to town A at the speed of 52 kmph what is the approximate average speed of the car?
(a) 55 kmph (b) 52 kmph (c) 48 kmph
(d) 50 kmph (e) 60 kmph
107. Mr. Phanse invests an amount of Rs. 24,200 at the rate of 4 p.c.p.a for 6 years to obtain a simple interest. Later he invests the principal amount as well as the amount obtained as simple interest for another 4 years at the same rate of interest. What amount of simple interest will he obtain at the end of the last 4 years?
(a) Rs. 4,800 (b) Rs. 4,850.32 (c) Rs. 4,801.28
(d) Rs. 4,700 (e) None of these
108. In a sale, perfumes are available at a discount of 25% on the selling price. If a perfume costs Rs. 5,985 in the sale, what is the selling price of the perfume?
(a) Rs. 6,020 (b) Rs. 7,860 (c) Rs. 7,680
(d) cannot be determined (e) None of these
109. What approximate value should come in place of the question mark (?) in the following question?
 $754 \div \sqrt{4136} \times 24 = ?$
(a) 294 (b) 276 (c) 265 (d) 300 (e) 288
110. The cost of 15 digit cameras and 21 handy cameras is Rs. 3,54,900. What is the cost of 5 digit cameras and 7 handy cameras?
(a) Rs. 1,25,500 (b) Rs. 1,18,300 (c) Rs. 2,15,100
(d) Cannot be determined (e) None of these
111. A canteen requires 56 kgs. of rice for seven days. How many kgs. of rice will it require for the months of April and May together?
(a) 496 (b) 480 (c) 498 (d) 488
(e) None of these
112. How much part of a day is 45 minutes?
(a) $\frac{1}{42}$ (b) $\frac{1}{24}$ (c) $\frac{1}{32}$ (d) $\frac{1}{48}$ (e) None of these
113. The total number of students in a school is 31700. If the ratio of boys to the girls in the school is 743 : 842 respectively, what is the total number of girls in the school?
(a) 14860 (b) 16480 (c) 15340
(d) Cannot be determined (e) None of these
114. The sum of five consecutive even numbers A, B, C, D and E is 130. What is the product of A and E?
(a) 720 (b) 616 (c) 660 (d) 672
(e) None of these
115. If the square of a number is subtracted from 4052 and the difference is multiplied by 15, the answer so obtained is 41340. What is the number?
(a) 36 (b) 1024 (c) 32 (d) 1296
(e) None of these
- Directions (116 – 120):** Study the following table carefully and answer the questions given below it.
Number of units (in crores) sold by six different mobile phone manufacturing companies during the given years.
- | Year | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
|------|-------|-------|-------|-------|------|------|
| E | 105.8 | 82.0 | 38.2 | 115.6 | 29.5 | 37.5 |
| F | 101.2 | 86.0 | 88.5 | 118.7 | 30.5 | 39.0 |
| G | 104.5 | 98.3 | 57.5 | 109.9 | 47.5 | 41.5 |
| H | 109.8 | 97.5 | 97.8 | 105.8 | 44.5 | 43.5 |
| I | 190.0 | 102.5 | 112.9 | 106.8 | 78.5 | 51.5 |
| J | 98.3 | 105.5 | 108.5 | 107.5 | 38.6 | 53.5 |
116. What is the average number of mobile phones sold by companies H taking all the years together? (in crores)
(a) 83.15 (b) 82.15 (c) 81.15 (d) 84 (e) 82.25
117. What is the average number of mobile phones sold by all the companies in the year 2008? (in crores)
(a) 81.9 (b) 83.9 (c) 82.15 (d) 81.6 (e) 83.2
118. The difference between the total number of mobile phones sold by all the companies in the years 2007 and 2011 is (in crores)
(a) 306.3 (b) 315.3 (c) 305.3 (d) 308.3
(e) None of these
119. By what per cent approximate is the number of mobile phones sold by company G in the year 2006

less than that sold by the same company in the year 2009?

- (a) 4.5% (b) 5.5% (c) 3.5% (d) 5% (e) 6.1%

120. The respective ratio between the number of mobile phones sold by company G in the year 2008 and that sold by company I in the year 2010 is

- (a) 115 : 157 (b) 157 : 115 (c) 23 : 29
(d) 29 : 23 (e) None of these

GENERAL AWARENESS

121. The head of the Reserve Bank of India is officially known as

- (a) President of RBI
(b) Chief Executive of RBI
(c) Managing Director (MD) of RBI
(d) Executive Director of RBI
(e) Governor of RBI

122. Which of the following is the Central Bank of our Country?

- (a) State Bank of India (b) Central Bank of India
(c) National Bank for Agriculture and Rural Development
(d) Reserve Bank of India (e) None of these

123. People normally go to a bank for withdrawal or / and depositing their money. In addition to that banks provide many other services these days. Which of the following is/ are such new series?

- A. Sale of insurance policies
B. Loans for higher studies for children.
C. Acceptance of bills for Telephone / Electric Supply Services on behalf of such organizations.
(a) Only A (b) Only B (c) Only C
(d) Both A and B (e) All A, B and C

124. India has different categories of Commercial banks. Which of the following is not one such category?

- (a) Private Banks (b) Commodity Banks
(c) Nationalized Banks (d) Co-operative Banks
(e) Foreign Banks

125. Government of India these days is very keen about the credit to the rural people. Which the following is the product launched by the banks to provide loan / credit to the farmers **quickly**?

- (a) Kisan Vikas Patra (b) Indira Vikas Patra
(c) Kisan Credit Card (d) National Savings Scheme
(e) All of these

126. Coins of which of the following denominations are easily available in India and are used by all of us in our day-to-day shopping?

- A. Rs. 5 B. Rs. 2 C. Rs. 50
(a) Only A (b) Only B (c) Only C
(d) Both A and B (e) All A, B and C

127. Government of India gives subsidy to which of the following products to help farmers indirectly?

- (a) Tractors (b) Power Tillers (c) Pesticides
(d) Chemical Fertilizers (e) None of these

128. In India Union Budget is always presented in the Parliament in the month of _____.

- (a) February (b) March (c) April (d) December
(e) January

129. 'Rupee' is the currency of

- (a) Nepal (b) Indonesia (c) Myanmar
(d) Bangladesh (e) Libya

130. The two main seasons of cropping in India are known as _____.

- (a) Hot – Cold (b) Winter – spring
(c) Summer – winter (d) Rainy – Cold
(e) Kharif - Rabi

131. Who amongst the following is / was not a famous cricket player?

- (a) M. S. Dhoni (b) Kapil Dev (c) Ramesh Krishnan
(d) Sunil Gavaskar (e) Sachin Tendulkar

132. The maximum crop area (about 75%) in India is covered by _____

- (a) food crops (b) Ornamental plants
(c) cash crops (d) Vegetables (e) Jute and cotton

133. Which of the following terms is **not** related with the banking operations?

- (a) Current Account (b) Exchange Rate
(c) Investment rate (d) Domestic Saving Rate
(e) Veto Power

134. Loan taken by a small farmer will be considered a loan for agricultural purpose by a bank:

- A. Purchase of tractor B. Purchase of seeds
C. Purchase of gold for marriage of the daughter
(a) Only A (b) Only B (c) Both A and B
(d) Only C (e) None of these

135. International Day of Non – violence is observed on the birth day of _____

- (a) Jawahar Lal Nehru (b) Indira Gandhi
(c) Rajiv Gandhi (d) Sonia Gandhi
(e) Mahatma Gandhi

136. The National Stock Exchange is located in _____.

- (a) New Delhi (b) Mumbai (c) Kolkata
(d) Chennai (e) Bangalore

137. Which of the following is a Private Bank functioning in India?

- (a) Axis Bank (b) Bank of Baroda (c) Dena Bank
(d) Punjab National Bank (e) Bank of Maharashtra

138. Which of the following prizes / Awards is given for excellence in the field of Sports?

- (a) Pulitzer Prize (b) Shanti Swarup Bhatnagar Award
(c) Arjuna Award (d) Shram Vir Purushkar
(e) None of these

139. Santosh Trophy is associated with the game of _____.

- (a) Cricket (b) Football (c) Hockey (d) Tennis
(e) Golf

140. Which of the following is a method of 'Irrigation' prevalent in India?

- (a) Igloo (b) Fog (c) Drip (d) Delta (e) Lagoon

141. Cotopaxi, a beautiful snow covered volcano is located in which country?

- (a) Cuba (b) USA (c) Ecuador (d) Chile (e) China

142. With reference to the fourth bi-monthly Monetary Policy Report 2015 – 16, what is the Current Repo Rate in India?

- (a) 7.25% (b) 6.25% (c) 6.75% (d) 6.50%
(e) 5.75%

- 143.** The ARSAT2 is a communication satellite launched by which country?
 (a) Australia (b) Argentina (c) South Korea
 (d) Angola (e) China
- 144.** Which country has been severely affected by Super typhoon Dujan?
 (a) Philippines (b) Japan (c) China (d) Bangladesh
 (e) Nepal
- 145.** Who among the following has been crowned the prestigious UK Crime Writer's Association Gold Dagger award?
 (a) JK Rowling (b) Robert Galbraith
 (c) Michael Robotham (d) Rolf Harris (e) None
- 146.** India's Ayanika Paul represents which of the following sport / event?
 (a) Shooting (b) Tennis (c) Basketball
 (d) Table Tennis (e) Cricket
- 147.** Who is the author of the book "Rebooting Government"?
 (a) Pranab Mukherjee (b) Nandan Nilekani
 (c) Arun Jaitley (d) Manmohan Singhr (e) None
- 148.** Which of the following automaker is in news for emission cheating scandal?
 (a) Volkswagen (b) Hyundai (c) Ford
 (d) General Motors (e) Maruti
- 149.** On which of the following days International Day of Older Persons is celebrated?
 (a) September 30 (b) September 29 (c) October 1
 (d) October 2 (e) October 5
- 150.** The Champions of the Earth award is the highest environmental award given by which organization?
 (a) United Nations (b) World Bank
 (c) World Trade Organization (d) European Union
 (e) None
- 151.** Who emerged as the winner of 11th Hero MTB Himalaya 2015?
 (a) Luis Leao Pinto (b) Andi Seewald (c) Pau Zamora
 (d) Peter Butt (e) None
- 152.** Which among the following has been ranked top in terms of brand value, globally?
 (a) Google (b) Coca Cola (c) Apple (d) Samsung
 (e) Nokia
- 153.** Which type of cloud most often produces severe thunderstorm and hail storms?
 (a) Cumulus (b) Cirrus (c) Cumulonimbus
 (d) Stratus (e) None
- 154.** According to WHO standards, the level of Particulate Matter 2.5 should not exceed ___ per cubic meter. Fill the blanks with correct option?
 (a) 10 micrograms (b) 15 micrograms
 (c) 25 micrograms (d) 50 micrograms (e) None
- 155.** The chang La Seed bank, world's highest research and development facility is located in which place?
 (a) Leh (b) Masoorie (c) Tibet (d) Shimla
 (e) Kanyakumari
- 156.** Which city is the venue for the World Junior Circuit Finals Scheduled to be held in January, 2016?
 (a) Bengaluru (b) Chennai (c) Indore (d) Jaipur
 (e) Vizag
- 157.** Which country has recently adopted Cow as national animal?
 (a) Sri Lanka (b) Bhutan (c) Nepal (d) Singapore
 (e) India
- 158.** The Lapis Lazuli is a historic corridor connects Afghanistan with which region of the world?
 (a) Europe (b) South Asia (c) Africa
 (d) North America (d) Australia
- 159.** The Chemical used in indelible ink (Election ink) is ___?
 (a) Sodiym Nitrate (NaNO₃)
 (b) Potassium Nitrate (KNO₃)
 (c) Silver Nitrate (AgNO₃) (d) Silver Iodide (KI)
 (e) None
- 160.** The "Ease of Doing Business Index" is prepared and published by ___?
 (a) World Trade Organization (b) World Bank Group
 (c) United Nations (d) European Union (e) None

COMPUTER KNOWLEDGE

- 161.** If you type a word that is not in Word's dictionary, a wavy ___ underline appears below the word.
 (a) red (b) green (c) blue (d) black (e) None of these
- 162.** ___ software allows users to perform calculation on rows and columns of data.
 (a) word processing (b) Presentation graphics
 (c) Database Management System
 (d) Electronic Spreadsheet (e) None of these
- 163.** When you quickly press and release the left mouse button twice, you are ____
 (a) Primary – clicking (b) pointing
 (c) Double – clicking (d) Secondary – clicking
 (e) None of these
- 164.** A computer program that will search its database to find items whose tent contains all or at least one of the words given to it.
 (a) Search engine (b) Internet – Explorer
 (c) Searching Techniques (d) Particular Keywords
 (e) None of these
- 165.** To print a document, press ___, then press ENTER.
 (a) SHIFT + P (b) CTRL + P (c) ALT + P
 (d) ESC + P (e) None of these
- 166.** Digital photos and scanned images are typically stored as ___ graphics with extension such as .bmp, .png, .jpg, .tif or .gif.
 (a) Vector (b) bitmap (c) either vector or bitmap
 (d) Neither vector nor bitmap (e) None of these
- 167.** Which of the following is the communication protocol that sets the standard used by every computer that accesses web-based information?
 (a) XML (b) DML (c) HTTP (d) HTML
 (e) None of these
- 168.** Which of the following contains information about a single "entity" in the database – like a person, place, event, or thing?
 (a) query (b) form (c) record (d) table
 (e) None of these

- 169.** The acronym HTML stands for ____
 (a) High Transfer Machine Language
 (b) High Transmission Markup Language
 (c) Hypertext Markup Language
 (d) Hypermedia Markup Language
 (e) None of these
- 170.** What is the function of the Central Processing Unit of a Computer?
 (a) Creates invoices
 (b) Performs calculations and processing
 (c) Deletes Data (d) Corrupts the data
 (e) None of these
- 171.** If your computer keeps rebooting itself, then it is likely that
 (a) It has a virus (b) It does not have enough memory
 (c) there is no printer (d) there has been a power surge
 (e) It needs a CD - ROM
- 172.** The three main parts of the processor are ____
 (a) ALU, control Unit and Registers
 (b) ALU, control Unit and RAM
 (c) Cache, Control Unit and Registers
 (d) Control Unit, Registers and RAM
 (e) RAM, ROM and CD- ROM.
- 173.** By firmware we understand ____
 (a) Physical equipment used in a computer system
 (b) A set of instructions that causes a computer to perform one or more tasks.
 (c) the people involved in the computing process
 (d) a set of programs that is pre-installed into the read only memory of a computer during the time of manufacturing
 (e) None of these
- 174.** CD – ROM is an example of ____
 (a) Input Device (b) Output Device
 (c) Both input and Output (d) Pointing Device
 (e) None of these
- 175.** An input device that is used widely in Supermarkets is
 (a) Keyboard (b) Mouse (c) Trackball
 (d) Bar code reader (e) None of these
- 176.** Compiler is the
 (a) name given to the computer operator
 (b) Part of the digital machine to store the information
 (c) operator of Boolean Algebra
 (d) Part of arithmetic logic unit
 (e) translator of source program to object code.
- 177.** Viruses, Trojan horses and Worms are ____
 (a) able to harm computer system
 (b) unable to detect if present on computer
 (c) user – friendly applications
 (d) Harmless applications resident on computer
 (e) None of these
- 178.** An object typically hides its data, but allows outside code to access ____
 (a) The methods that operate on the data
 (b) The data files (c) Private data members
 (d) The pseudo code (e) None of these
- 179.** Programs designed to perform specific tasks related to managing computer resources are called ____
 (a) System software (b) Operating System
 (c) Application Software (d) Utility Program
 (e) None of these
- 180.** Which of the following is not an integral part of computer?
 (a) CPU (b) Mouse (c) Monitor (d) UPS
 (e) None of these
- 181.** A combination of hardware and software that allows communication and electronic transfer of information between computers is a ____
 (a) Network (b) Backup system (c) Server
 (d) Peripheral (e) Modem
- 182.** What is a major feature of the World Wide Web that makes it simple to learn and use?
 (a) Database interface (b) Graphical text interface
 (c) Graphical user interface
 (d) Point – to – point protocol (e) None of these
- 183.** Which of the following menu types is also called a dropdown menu?
 (a) Fly-down (b) Pop-down (c) Pop-Up
 (d) Pull-Up (e) Pull-down
- 184.** Which of the following is not necessary to be considered computer literate?
 (a) The ability to write the instructions that direct a computer
 (b) An awareness of the computer's importance, versatility, and pervasiveness in society.
 (c) Knowledge of what computers are and how they work
 (d) The ability to interact with computers using simple applications
 (e) None of these
- 185.** CD – ROM stands for –
 (a) Compactable Read only Memory
 (b) Compact Data Read only Memory
 (c) Compactable Disk Read Only Memory
 (d) Compact Disk Read Only Memory
 (e) Connected Disk Read Only Memory
- 186.** Free hard – disk space used to extend the capacity of RAM is termed –
 (a) Cache (b) Flash memory (c) ROM
 (d) Virtual Memory (e) Volatile
- 187.** The computer to which a user's computer connects in order to access the Internet is called a
 (a) Notebook (b) PDA (c) Supercomputer
 (d) Server (e) laptop
- 188.** MS Excel is used for
 (a) Letter writing (b) Spread Sheet calculation
 (c) Presentation (d) Painting (e) None of these
- 189.** The ability to exchange information through the use of computer equipment and software is
 (a) Data entry (b) The Internet (c) Data retrieval
 (d) Electronic Communication (e) None of these
- 190.** ____ is a feature for scheduling and multiprogramming to provide an economical interactive system of two or more users
 (a) Time sharing (b) Multitasking
 (c) Time tracing (d) Multiprocessing
 (e) None of these

191. The disks stores information in
 (a) Tables (b) Rows and Columns (c) Blocks
 (d) Tracks and Sectors (e) All of these
192. The word processor used by DOS to write the programs or instructions
 (a) WordStar (b) WordPad (c) Notepad
 (d) Ms- Word (e) EDIT
193. Origin of Internet can be tracked from
 (a) ARPANet (b) Radio Network (c) Satellite network
 (d) Indian army network (e) Air Force network
194. System proposal is prepared in ____ phase of SDLC
 (a) Conception (b) Initiation (c) Analysis
 (d) Design (e) Construction
195. In word you can force a page break ____
 (a) By positioning your cursor at the appropriate place and pressing the F1 Key
 (b) By positioning your cursor at the appropriate place and pressing Ctrl + Enter
 (c) By using the Insert / Section Break
 (d) By changing the font size of your document
 (e) None of these
196. When the computer is switched on, the booting process performs the
 (a) Integrity Test (b) Power – On Self - Test
 (c) Correct Functioning Test (d) Reliability Test
 (e) Shut - Down
197. A joystick is primarily used to / for ____
 (a) Control sound on the screen
 (b) Computer gaming (c) Enter text
 (d) Draw pictures (e) Print text
198. To display the contents of a folder in windows Explorer you should ____
 (a) Click on it (b) collapse it (c) name it
 (d) Give if a password (e) rename it
199. A(n) ____ appearing on a web page opens another document when clicked.
 (a) anchor (b) URL (c) Hyperlink (d) Reference
 (e) Heading
200. ____ is a Windows utility program that locates and eliminates unnecessary fragments and rearranges files and unused disk space to optimize operations.
 (a) Backup (b) Disk cleanup (c) Disk Defragmenter
 (d) Restore (e) Disk Restorer

***** ALL THE BEST *****

IBPS CLERK – V MAINS GRAND TEST – 1 ANSWER KEY

1	a	21	b	41	a	61	e	81	c	101	e	121	e	141	c	161	a	181	a
2	b	22	e	42	d	62	a	82	b	102	a	122	d	142	c	162	d	182	c
3	d	23	c	43	b	63	c	83	a	103	d	123	e	143	b	163	c	183	c
4	a	24	d	44	c	64	b	84	d	104	b	124	b	144	c	164	a	184	a
5	d	25	a	45	b	65	a	85	a	105	d	125	c	145	c	165	b	185	d
6	e	26	b	46	a	66	d	86	a	106	a	126	d	146	a	166	b	186	d
7	b	27	a	47	b	67	c	87	b	107	c	127	d	147	b	167	c	187	d
8	d	28	d	48	d	68	b	88	c	108	b	128	a	148	a	168	d	188	b
9	e	29	c	49	e	69	e	89	d	109	e	129	a	149	c	169	c	189	d
10	a	30	a	50	c	70	a	90	e	110	b	130	e	150	a	170	b	190	a
11	b	31	d	51	d	71	e	91	c	111	d	131	c	151	a	171	a	191	d
12	d	32	e	52	d	72	c	92	b	112	c	132	a	152	c	172	a	192	e
13	a	33	d	53	b	73	b	93	e	113	e	133	e	153	c	173	d	193	a
14	b	34	a	54	b	74	d	94	a	114	c	134	c	154	a	174	c	194	b
15	c	35	c	55	c	75	a	95	c	115	a	135	e	155	a	175	d	195	b
16	d	36	c	56	e	76	e	96	a	116	a	136	b	156	c	176	e	196	b
17	a	37	b	57	e	77	a	97	b	117	b	137	a	157	c	177	a	197	b
18	c	38	d	58	d	78	b	98	c	118	c	138	c	158	a	178	a	198	a
19	e	39	a	59	c	79	d	99	d	119	d	139	b	159	c	179	d	199	c
20	b	40	c	60	e	80	c	100	b	120	a	140	c	160	b	180	d	200	c