

AMCAT

APTITUDE –1-182

1) What are the largest four digit and smallest three digit number divisible by 6,15, 21 &24?
a)9235,420 b)9980,840 c)9240,840 d)9999,999

2) 4522 is not divided by?

a)7 b)17 c)19 d)21

3) If Lcm and HCF of 2 numbers are 234 and 13 respectively then the smallest factor of the Product of 2 numbers are?

a)2 b)3 c)4 d)5

4) A man can complete a job in 12 days and his wife can complete the same in 15 days. How Long will they take to complete the job if they work together?

a)6 2/3 days b)6 ½ days c)10 ½ days d)10 2/3 days

5) Given that the interest is only earned on principal, if an investment of rs.1000 amounts to Rs 1440 in 2 years, then what is the rate of interest earned?

a)20% b)22% c)21% d)11% e)44%

6) From the given choices select the odd man out:

a)AEK b)DFH c)TWZ d)MOQ

7) Choose the right option AZP:ZAR::TXK:?

a)UWL b)SYM c)SVM d)VWL

Select the correct option that fill the blanks to make the sentence meaningfully complete

8)What were the servants doing when the robbery_ place?

a)Take b)Took c)Was in d) Were in

9) We as human beings get easily _ by materialistic pleasure of modern age?

a) Distracted b)Attentive c)Devoted d)diligent

10) A content must be honoured. You cannot _on it?

a)Back out b)Give up c)Renege d)Renounce

11) Today _the inaugural day of the pub , the drinks were served free of cost?

a)Was b)Been c)is d)Being

12)In india, women _only 3% of senior management?

a)Contain b)Involve c)Comprise d)Contains e)Comprises

13) The meeting in the office was held behind _doors?

a) Close up b) Closing c) Close d) Closed

14) The road to hills _closed because of landslides?

a) Was b) Is c) Were d) Be

15) The note books used by _”Evergreen “ society are made of recycled paper?

a) A b)An c)The d)All

16) Ace to recent research by expects ,many women’s became victims of trafficking?

a) Women’s are becoming b)Women becomes c)Women became d)No improvement needed

17) The room is expensive because it has a spectacular view _the beach

a)Of b)From c)For d)To

Spotting errors

18) A) A tie is a very important B) Part of formal dressing C)For every men

a)A b)B c)C d)No error

19) A) As Maria returned home B) She found the hall to be empty as C) Everyone were hiding in the kitchen D) No error

a)A b)B c)C d)D

20) A) Harish like to play cricket B) And riding bicycle besides C) Playing videogames

a) A b)B c)C d)No error

21) What have we got for dinner? (Sentence improvement)

a) We got for the dinner b) We got for a dinner c) We gotten for dinner d) No change

22) With 15% profit , the selling price of dozen pencils is rs.13.80 then what is the cost price of a Pencil?

a) 1.15 rs b)1 re c)0.85 rs d)1.10rs

23) What is the value of i^{34} ?

a)-1 b)1 c)0 d)i

23)10 scooters, 5 motor cycles and 15 cars are packed in the parking area of the market. What is the probability of scooter?

a)1/6 b)1/2 c)3/5 d)1/3

24)From a group of 8 men and 8 women ,8 members are to be selected for a team such that women constitute at least 50% of the total. In how many ways it can be done?

a) $8c4*8c4+8c5*8c3+8c6*8c2+8c7*8c1+8c8$ b) 8^4*8^4 c) $8c4*8c4$

d) $8^4*8^4+8^3*8^5+8^2*8^6+8^7*8+1$

25) Riya sold her car for rs.50,000 less than what she bought it for and loss 8%. At what price should she have sold the car, if she wanted to gain as much as she lost in the first transaction?

- a) 6,25,000 b) 6,50,000 c) 6,75,000 d) 6,37,500 e) 7,00,000

26) 1 card is drawn from a pack of 52 cards each of the 52 cards being equally likely to be drawn. Find the probability that the card drawn is '9' of hearts?

- A) 1/13 b) 1/26 c) 1/52 d) 3/52

27) The value of $(8^{25} - 8^{26})$ is?

- a) $7 \cdot 8^{25}$ b) $7 \cdot 8^{26}$ c) $8 \cdot 8^{26}$ d) None

28) Find the remainder when (888...repeat 63 times) is divisible by 9?

- a) 4 b) 8 c) 0 d) 1

29) Out of 5 boys and 5 girls, a group of 5 has to be formed containing at least 3 boys. In how many ways, it can be done?

- a) 100 b) 120 c) 25 d) 126

30) 8 friends A, B, C, D, E, F, G, H are to be seated in a round table. Find the probability that A and B Never sit next to each other/

- a) 2/7 b) 5/7 c) 3/8 d) 5/8

31) Stephan travels from Alpheny to Newyork in 4 hrs at a speed of 60 kmph. How long will it take, if she averages to 40 kmph during her drive?

- a) 2.67 hrs b) 3.8 hrs c) 6 hrs d) 3 hrs

32) Spotting error: A) We have been saying it separately uphill B) Now but we thought it would be C) Better if we spoke in one voice

- a) A b) B c) C d) No error

33) Contagious- meaning

- a) Communicate b) Harmful c) Preventive d) Survival

34) Prime Minister Manmohan Singh received a warm welcome from the political leaders as he Reached Pakistan

- a) Rude b) Indifferent c) angry d) friendly

35) Futile (Opposite)

- a) Barren b) Useless c) Alive d) Productive

36) Instigate (Opposite)

- a) Stimulate b) Prompt c) Ferment d) Deceive e) Prevent

37) S1: Sameer has not been coming to office last week.

S6: Since his plaster will be removed after 30 days.

P: Doctors have advised him complete bed rest for 15 days.

Q: He had 6 fractures and was rushed to the hospital.

R: He met with a serious accident a few days ago

S: I think he would be on leave for this whole month.

- a) RQPS b) PSQR c) SPRQ d) QPRS

38) 215:474::537:?

- a) 126 b) 27 c) 25 d) 22

39) Suneetha moves a distance of 9m towards east. She then moves towards south & travels a distance of 4m. from the distance of 6m towards west. How far is the starting point from her final position?

- a) 3 m b) 4m c) 5m d) 7m

40) In the series, some alphabets are missing. Complete in logical manner.

_eb_ea_bacb_ca_bac_d

- a) bdddbb b) addbbb c) addddb d) bbbddd

41) A tourist drives 10km towards east and turns right and drives for another 3 km. He then drives another 3km towards west (turning to his right). He then turns to his left and walks another 2 km. Afterwards, he turns to his right and travels 4km. how far and in which direction will be from starting point?

- a) 10 km east b) 9km north c) 8km west d) 5km south

42) A man runs 14 km towards south, then 8 km towards north and then 8 km towards west. How far is he from the starting point?

- a) 5 km b) 6 km c) 10 km d) 14km

43) If WORD is coded as 9753, then DOOR is coded as

- a) 3579 b) 3559 c) 9357 d) 3775

44) Choose the answer option in the given set of words in meaningful order

1. Community 2. Locality 3. Family 4. Country 5. Person

- a) 4,1,2,3,5 b) 4,2,1,3,5 c) 5,3,2,1,4 d) 5,3,4,2,1

45) If BLACK is coded as DNCM, then ORANGE is coded as

- a) QTCPIG b) PSCOHF c) PSBOHF d) QTCOIG

ODD MAN:

- 46) a) DFE b) PRQ c) MPN d) SUT

- 47)a) FU b)DW c)CX d)NR
- 48)a)AD5 b)BC9 c)HA9 d)DB6
- 49) If north-west becomes east, north-east becomes south and so on then what does east become?
- a)South-west B)North-east c)North-west d)South-east

- 50)A child walks 6m towards west and then 20 m towards south. He then turns east and Walks another 12m. Then he walks 12m towards north. How far is he from his initial Position?
- a)10 m b)12m c)8m d)6m

- 51) Odd man:
- a)PRV b)LMP c)DGL d)BEL

- 52)Right Option:
- a)P4N b)Q5M c)P5N d)Q4N

- 53)Right Option: Introducing a woman, a man said, "Her husband is one only son of my father". How is the woman related to the man?
- a)Sister. b)Mother in law. c)Daughter. d)Wife.

- 54)The given sign signify something and on that basis, assume the given statements to be true and find which of the 2 conclusion I &II are definitely true.

Statements: A+B means A is equal to B.

A-B means A is not equal to B.

A£B means A is >B.

A*B means A<B,

A/B means A>=B.

Conclusions: I) D/G,G+F,F£E. II)D+F/E£G.

- a)Only I is true. b)Only II is true. c)Both are correct. d)None.

- 55) A people namely A,S,D,F,G,H,J &K are sitting around a circular table facing the centre of the table. D is facing North-East &G is sitting 3 position away from D in clockwise direction. J is sitting adjacent to S on his right. K is sitting adjacent to S &F is not sitting opposite to D. Which direction is A is facing?

- a)South. b)West. c)East. d)North.

- 56)Logical Series:

A)Palm. B)Finger. C)Eye. D)Stomach. E)Elbow.

1)3,2,1,4,5. 2)3,2,1,5,4. 3)2,3,1,5,4. 4)3,1,2,5,4.

- 57) 5 students are sitting in a row. A is sitting between C & D .when will A be in the middle?

Statement:1) C is between B & A.

2) D is between A & E.

A) Statement 1 alone is sufficient B) Statement 2 alone is sufficient. C) Both statements put together are sufficient. D)Both the statements are put together are not sufficient. E) Either of the statements are sufficient.

- 58) Is $P < Q$?

Statements:1) $P/5 < Q/5$.

2)- $P+Y > -Q+Y$.

A) Statement 1 alone is sufficient B) Statement 2 alone is sufficient. C) Either of the statements are sufficient. D)Both statements put together are sufficient. E)Both the statements are put together are not sufficient.

- 59)Find the ration of distances covered by a car & a cyclist when it is given that the car moves for 1.5hrs at 30kmph & the cyclist moves for 1 hour at 25kmph?

- a)6:5 b)9:5 c) 3:2 d) 5:1

- 60) Akhil travels first half of the distance at 50m/s &2nd half at 75m/s. The total distance travelled is 3km.Find the arrange speed of travel for the entire journey?

- a).60m/s b).62.5m/s c).55m/s d).65m/s

- 61).What is the value of $(5^2 \cdot 25^8 / 625)^{2/7}$?

- 62).During a quality control conference, if 30 employees are seated in a column, then 50 columns could be formed. however, if 25 employees are seated in a column, then many such columns could be formed?

- a)105 b)100 c)75 d)60

- 63) T fill a storage tank of wheat,20 containers full of wheat are required. how many containers of wheat will be registered to fill the same tank if the capacity of the tank is reduced to two –fifth of their present capacity?

- a)30 b)25 c)50 d)60

64). What is the value of the expression ?

$3\sqrt{(\sqrt{0.0007}^{29})}$

a)0.03 b)0.3 c)3 d)0.27 e)0.027

65) Markets like Janpath & Connaught place have a lots of shops selling very trendy clothes.

a)Have lots of shops selling. b)Have lot many number of shops selling. c) Have a lot number of shops that were selling. d)No improvement needed.

66). A. Guilt and self pleasure are. B. two most strong drives. C. of nay human act.

1.a 2.b 3.c 4.No error.

67).There are many table producing mills in the market that complete with each——

to gain the largest share of the market.

a)Purson b)other c)contestants d)Individual

68)Neither sri rekha—— rain will be able to attend the meeting on Sunday.

a)Or b)Nor c)And d)But also

69)The note books used by—— 'Evergreen' society are made of recycled paper.

a)a b)an c)the d) all

70)The teacher announced in the exam hall, "All you have—— now"

a)is an b)are an c)the d)all

71).a)juhu reach in Mumbai was filled with b)Innumerable people who had gathered there.

c)To see the discovered newly ancient temple.

1)a 2)b 3)c 4)None.

72) A. In the film fraternity ,there are many people, B. Who hits to be in the limelight, but many just want C. to stay away from any kind of comfort.

1)A 2)B 3)C 4)No error.

73)A person's shadow always—— beside him/her, no matter

A.Is B. Stays C. Walks D. Be

74)The efforts put in by the top management to retain him went in A. revoked ——
As he decided to shift to a computer company.

A. Failure B. Facility C. Waste D. Vain.

SYNONYMS:

75) Sterilize

a) Freshen b) Potent c)Mitigate d)Disinfect

76)The detection verdict was quick surprising as the ruling party was re-elected for the first time in 50 years.

a)Judgement b)Decision c)Order d)Chaos

77) This hotel has a good _ service .they pack the cars safely.

a)Bell boy b)Call Boy c)Rallet d)Doorman

78) Order 1.Judgement 2.Arrest 3.Police 4.Crime 5.Complaint 6>Court Hearing

a)4,5,3,2,6,1 b)4,3,2,5,6,1 c)5,4,3,2,6,1 d)4,3,5,6,2,1

79)Problem: How is Mr.Sharma related to santhosh?

Statements:1) Santhosh mother has two daughter 2)Santhosh's sister is the wife of Mr.Sharma's son.

a)1 alone sufficient b)2 alone is sufficient c)Both statement are sufficient d)Both statement are not sufficient e)Either 1 or 2 is sufficient.

80) Problem: What is the selling price of the sofa set?

Statements:1) The cost price of sofa set is given 2)The selling price of 2 sofa sets are given.

a)1 alone sufficient b)2 alone is sufficient c)Both statement are sufficient d)Both statement are not sufficient e)Either 1 or 2 is sufficient.

81) In a class of 25 students the probability that any one of the 10 girls will be absent on any given day is 0.2.The probability of one of the boys being absent is 0.3. calculate the probability that all the students are present on a Tuesday?

a)(0.3)^10 *(0.2)^15 b)(0.7)^10*(0.8)^15 c)(0.8)^10*(0.7)^15 d)(0.2)^10*(0.3)^15

82) A 3 digit number 7a2 is adde3d to another 3 digit number 685 which results in a 4 digit number 1367. This 4 digit number is divisible by 11 . what is the value of a+b?

a)8 b)9 c)10 d)11

83) A cistern can be filled by 2 pipes A and B in 10 and 15 hrs respectively is then emptied by a tap in 8 hrs. if all the tap are opened the cistern will be filled in?

- a)21 hrs b)22 hrs c)23hrs d)24 hrs e)None
- 84) Pulse rate of teenager is 12 beats in 10 sec. at this rate would his pulse rate be more than, equal to, or less than 100 beats/min
a)< than b)> than c) = d)Data insufficient
- 85). A Certain sum of money an amounts to Rs 2500 in a span Of 5 years and further to Rs.3000 in a span of 7 years at simple interest The sum is
a) Rs.1000 b) Rs.1200 c) Rs.1050 d) 1250
- 86). A Started a business with Rs.2,70,000 I was joined by B. 3 months later How much money did B invested if the profit share of A at the end of the year was three. Fifth of the total profit?
a) Rs.2,80,000 b) Rs. 1,00,000 c) Rs.2,70,000 d) 2,40,000
- 87). I read $\frac{3}{8}$ of a book on 1 day & $\frac{4}{5}$ of the remainder on another day. If now there were 30 pages unread, the book contains..
a) 240 pages b) 230 pages c)340 pages d)140 pages e) NONE
- 88) Odd One:
1.BAD 2. FEH 3. POS 4.TOS
- 89) a) bb c MN b) dd e OP c) gg f QP d) mm n WX
- 90) a) AFB b)MRN c) KPL d) RXS
- 91) a) CEH b) PRV c) TVY d) MOR
- 92) In an certain code, SPECIFY is written as 1916539625. How is ABOUT written In that code?
a) 13162120 b) 12162120 c) 12152019 d) 12152120
- 93) One gear of pulley rotates at a speed of 3 revolutions/sec, another gear rotates At 5 revolutions/sec, If both start together, after how many seconds will they be together again?
a) 3 b) 5 c)15 d) 20

94) A bag contains 4 strawberries and 8 grapes. What is the probability that both the Fruits drawn from it are strawberries?

- a) $\frac{1}{3}$ b) $\frac{1}{2}$ c) $\frac{2}{5}$ d) $\frac{2}{3}$

95). If $a=2$ and $b^2-ab=-1$, then what is the value of $\log(a+b)$ (a^3+b^3)?

- a)1 b) -1 c) 2 d) -2

96)What is the probability of getting an dd sum of the scores in a throw of 2 dice?

- a) $\frac{1}{3}$ b) $\frac{1}{2}$ c) $\frac{2}{5}$ d) $\frac{2}{3}$

97)A book store offers a 10% discount on all the books sold it as additional discount of 5% on the total bill. If the total bill after the initial discount is more than or equal to Rs.1000. Dikshan bought 3 books worth Rs.450, Rs520 and Rs.250 respectively. How much money was dikshan able to save as a result of the various discounts offered by the store?

- a) Rs.102 b) Rs.176.9 c) Rs.61
d) Rs.183 e) None

98)How many 3 letter words with or without meaning can be formed out of the letters of the word 'SIGNATURE' if repetition of letters is not there?

- a) 84 b) 504 c)181440 d)362880

99)From a deck of 52 cards, 4 cards are selected so as to include at least 1 spade card. In how many ways can this be done?

- a) $52C4 - 39C4$ b) $52C13$
c) $52C4 - 13C4$ d) $13C4$

100) A shopkeeper offers 'Buy 1, Get 1 Free' offer on a T-shirt marked at Rs 2400 of after a sale, the shopkeeper earns a profit of 33.33%, then what is the actual price of the T-shirt?

- a) Rs.900 b) Rs.800 c) 1200 d)1000 e)1500

101)For the post of 2 receptionists there are equally qualified candidates in how many ways Can they selected?

- a) 132 b) 66 c) 12 d)24

102)Every year before the festive season, the shopkeeper of the price of the products by 35% & this introduces 2 succeeded discounts of 10% and 15% respectively what is the % loss or gain?

- a) 8.875% loss b) 3.27% loss c)3.27% gain d) No profit, No Loss

e) 8.875% gain

103) What is the highest power of 5 contained in 200!?

a) 40 b) 49 c) 15 d) 57

104) The letters of word "ARRANGE" are arranged such that two R's are never together.

The possible no of ways of doing soon is

a) 900 b) 60 c) 15 d) 800

105) The largest measuring cylinder that can accurately fill 3 tanks of capacity 98, 182 & 266 l each, is of capacity:

a) 2l b) 7l c) 14l d) 98l

106) $0.00001 + 0.000001 + 0.00010 + 0.00100 =$

a) 0.0001111 b) 0.001111 c) 0.001111 d) 0.0010111

107) $(15 * 25 * 100 * 30 * 10 * 42 * 4 * 14)$ will end with how many zeros?

a) 7 b) 8 c) 5 d) 4

108) what is the value of $25^{1.5}$?

a) 325 b) 32.5 c) 125 d) None

109) What is the remainder when we divide $125!$ By 10^{31} ?

a) 4 b) 0 c) 125 d) None

110). A17R : D12P :: GTN :: ?

a) H2K b) J3M c) J2L d) H3K

111) Odd man

A) FHKO

B) CEHL

C) ZBEJ.

D) XZCG

112) 24:50::102:?

A) 204

B) 206.

C) 152.

D) 156

113) If COMPUTER is coded as GKQLYPIN, code of SENATE is

A) WAREXA

B) WALRXA

C) WARWXA

D) WAERAX.

114) 9, 54, 135, 252,

A) 400

B) 405

C) 380

D) 420

115) Faizal is standing at point A facing North. He walks 15 km to his left and taken an about turn and walks 30m. How far and in which direction is he from the starting point?

A) 15m west

B) 15m east

C) 45m east

D) 45m west

116) Rahul went to his mother's mother-in-laws only son's daughter's husband's son's maternal uncle and asked for some money. How is the person related to rahul?

A) Brother B) Cousin C) Father D) Uncle

117) 79, 64, 26, 15,

A. 9

B. 6

C. 10

D. 8

118) Odd Man

A. ESOR

B. POLIT

C. LUFTE

D. STUOL

119) Excessive amounts of mercury in drinking water, associated with certain types of industrial pollution have been shown to cause Hobson's disease. Island L has an economy based entirely on subsistence level agriculture, modern industry of any kind is unknown. The inhabitants of island L have unusually high incidence of Hobson's disease.

- A) Mercury in drinking water is actually perfectly safe.
- B) Mercury in drinking water must have sources other than industrial pollution
- C) Hobson's disease must have causes other than mercury in drinking water
- D) Both option 1 and 2
- E) Both option 3 and 2

120) What is the value of square of $7\frac{1}{2}$, when it is expressed as a mixed fractions?

- A) $49\frac{1}{2}$
- B) $49\frac{1}{2}$
- C) $56\frac{1}{4}$
- D) $14\frac{1}{4}$

121) if $\log 103 = 0.4771$, value of $\log 108.1$

- A) 0.7
- B) 0.9
- C) 1.1
- D) 1.3

122) $\log 50.2$ is equal to

- A) 1 B) 2 C) -2 D) -1

123) In a shooting competition, the probability that Rahul will hit the target is $\frac{5}{7}$ and the probability that Sheela will hit the target is $\frac{3}{4}$. So, what is the probability that both of them hit the target?

- a) $\frac{2}{5}$ b) $\frac{1}{5}$ c) $\frac{20}{21}$ d) $\frac{15}{28}$

124) which smallest number must be assigned to # to make the number 15#794 divisible by 9?

- a) 1 b) 2 c) 3 d) 4

125) The difference in simple interest and compound interest on a principle of Rs 10,00,000 in three years at % per annum is

- a) Rs. 4000

- b) Rs. 5000
- c) 4,864
- d) 4500

126) The HCF of two numbers is 12. Which one of the following can be their LCM?

- a) 36
- b) 60
- c) 82
- d) 108

127) Given that $\log 64x = \frac{2}{6}$, what is the value of x?

- A. 2
- B. 4
- C. 6
- D. 8

128) if the sum of two numbers and their HCF and LCM are 3 and 60 respectively then the sum of the reciprocal of the two numbers is

- a) $\frac{1}{10}$ b) $\frac{1}{5}$ c) $\frac{3}{10}$ d) $\frac{3}{20}$

129) what is the remainder if 8^{25} is divided by 7?

- a) 25 b) 8 c) 1 d) 0

130) $(x^n - 27)$ is divided by $(X-3)$, when n is equal to

- a) 1
- b) 2
- c) 3
- d) 4

131) A number X when divided by 13 leaves a remainder 12. What is the remainder when we divide x^{13} by 13?

- a) 12 b) 0 c) 1 d) 10 e) 4

132) A, B, C, D & E play the following game. Each person picks one card from cards numbered three 1 to 10. The person who picks the greatest numbered card loses and is out of the game. Now, the remaining four return their cards to the pack & draw again & again the person with the greatest

numbered card loses. This process is repeated till only one person is left in the game who is declared as the winner. What is the probability that A is the winner?

- a) $3\frac{1}{4}$ b) $\frac{4}{17}$ c) $\frac{1}{5}$ d) $\frac{5}{24}$

133) A phone company offers 5 phone plan options: call waiting, call forwarding, voice mail, Conferencing & caller ID. A customer can choose 3 options. The number of ways one can avail the plan option is

- a) 5 b) 10 c) 3 d) 20

134) A bag contains orange flavoured candies only. Malini takes one candy without looking into the bag. What is the probability that she takes out an orange flavoured candy?

- a) 0 b) $\frac{1}{2}$ c) $\frac{1}{3}$ d) 1

135) Product of 2 odd number is

- a) Always odd b) Always even c) Sometimes odd d) Sometimes even
d) % by 6

136) If a ball is drawn at random from a box containing 6 red, 4 blue and 5 white balls, What is the probability that the ball drawn is red or blue?

- a) $\frac{1}{3}$ b) $\frac{2}{3}$ c) $\frac{7}{15}$ d) $\frac{2}{5}$

137) Among the following options, which one does not lie in the given range:

$$\frac{1}{6} < x < \frac{17}{12}$$

- a) $\frac{2}{7}$ b) $\frac{1}{2}$ c) $\frac{4}{3}$ d) $\frac{13}{11}$ e) $\frac{20}{13}$

138) Solve: $\sqrt{19} - \sqrt{13} + \sqrt{5} - \sqrt{13} + \sqrt{169}$ is

- a) $\sqrt{7}$ b) 1 c) 0 d) $\sqrt{5}$ e) $\sqrt{2}$

139) Amit bought 10 cycles for Rs. 1750 each. He sold 4 cycles for Rs. 8400, 3 for Rs. 1900. Each At what price should he sell the remaining cycles so as to earn an average profit of Rs. 320 Per cycle.

- a) Rs. 1900 b) 2000 c) 1800 d) 2050 e) 2200

140) Population of a village is 8000. If 6% men and 10% women are added, population becomes 8600, the number of men in the village was

- a) 4800 b) 5000 c) 5060 d) 6000

141) A started a business with 2,70,000 and was joined by B 3 months later. How much money did B invest if the profit share of A at the end of the year was three fifths of the total profit?

- a) Rs. 2,80,000 b) Rs. 1,00,000 c) Rs. 2,70,000 d) Rs. 2,40,000

142) A chemical mixture requires 2 chemicals, A & B in the proportion 3:2. The mixture is to be prepared in a tank of capacity 50l. Pipe A can fill the tank with chemical A in 15 minutes and pipe B can fill the tank with chemical B in 30 min. If both the pipes are opened when the tank is empty, then for how long should the pipes A and B run to obtain the mixture in minutes?

- a) (10,10) b) (9,9) c) (12,12) d) (9,12) e) (12,9)

143) 2,3,6,18,108..... a) 54 b) 1002 c) 216 d) 1944

144) Odd Man: a) BAK b) DCM c) HCQ d) MNW

145) Policy : NJJAZ :: Insurance:

- a) GOQVPBLDC b) GOQVQBLDC c) GOQVRBLDC d) GOQVPBLEC

146) From the given anagrams, select the odd one out:

- a) Olive b) Apple c) Litchi d) Egg

147) Radha is the only daughter of Rakesh's father in law's wife. How is Radha Related to Rakesh?

- a) Daughter b) Sister c) Cousin d) Wife

148) A is the only brother of B. P is the only nephew of B. How is P related to A?

- a) Son b) Daughter c) Brother d) Can't say

149) Arrange: 1) Dough 2) Flow 3) Cake d) Oven e) Bell

- a) 14325 b) 12435 c) 21435 d) 21345

150) Problem: Is P divisible by 12?

Statements: i) P is divisible by 8 ii) P is divisible by 3

- a) Statement 1 Alone is sufficient b) Statement 2 alone is sufficient c) Both Statement put together are sufficient d) Both Statement even put together are not sufficient e) Either of the stmt is sufficient in ensuring questions.

151) Problem: In a certain code Language, '129' means 'enjoy the life which number means

'enjoy' ?

Statement: i) In that language '913' means the 'whole life'

ii) In that Language '527' means 'Smile and Enjoy'

- a) Statement 1 Alone is sufficient b) Statement 2 alone is sufficient
c) Both Statements put together are sufficient
d) Both Statements even put together are not sufficient
e) Either of the Statement is sufficient in ensuring questions

152) Micro-sms pvt ltd produces 1200 phones everyday by out of them, $2\frac{1}{3}\%$ are faulty and $4\frac{1}{3}$ are defective in packaging, then how many non-faulty and non-defective packaged phones are produced every day?

- a) 80 b) 120 c) 1080 d) 1120

153) What is the value of $\log 3^{1.5} + \log 3^6$?

- a) 2 b) 2.7 c) 1.8 d) None

154) In a match, awards are given to each of 11 numbers of the team and a trophy to the team. In all winning team gets 2.75 kg weight awards of the weight of the match winning Trophy is 1.275kg, what is the weight of the award given to each player?

- a) 200 gm b) 150 gm c) 124 gm d) 134 gm

155) of $a=2$, $b=1$, then what is the value of $\log(a+b) (a^2-b^2)$?

- a) 1 b) -1 c) 2 d) -2

156) A car engine is half filled & hold 15l of petrol. What fraction of the engine is fill if it contains 18l of petrol?

- a) $\frac{1}{4}$ b) $\frac{2}{3}$ c) $\frac{2}{5}$ d) $\frac{3}{5}$

157) of LCM of 2 prime number a & b ($a > b$) is 667, then the value $7b-5a$ is

- a) 18 b) 16 c) 14 d) 12

158) If the sum of the squares of two number's is 164 and their HCF and LCM are 2 and 40 respectively then the number's are

- a) 4,8 b) 4,10 c) 8,10 d) 10,12

159) Write 0.555 as a fraction

- a) $\frac{1}{5}$ b) $\frac{5}{9}$ c) $\frac{1}{3}$ d) $\frac{4}{5}$

160) In a quiz competition the host asked a questions a provided 3 possible answers what is the probability that the answer choice which rohit selects for a questions is wrong?

- a) $\frac{1}{3}$ b) $\frac{1}{2}$ c) $3c1 \cdot \frac{3}{2}$ d) $\frac{2}{3}$

161) A company decides new ID for all employees. The id would comprise of 5 letters initials that can be formed using the alphabet of English language such that fifth letter is always a consonant how many such combinations are possible?

- a) $26^3 + 21^3$ b) $21^4 \cdot 26$ c) $21^3 \cdot 26^2$ d) $26^4 \cdot 21$

162) A teacher asks the student to solve for x, where the given expression is $(\frac{a}{b})^x - 1 = (\frac{b}{a})^x - 3$ Find x.

- a) 1 b) 2 c) $\frac{1}{2}$ d) 4

163) what is the least amount that a person can have, such that when he distributes it into groups of Rs.16 or Rs.18 or Rs.20 or Rs.25, be in always left with Rs.4?

- a) Rs.1796 b) Rs.1804 c) 2596 d) 3604

164) Find the probability of getting a multiple of 3 in the throw of a dice

- a) $\frac{1}{2}$ b) $\frac{1}{3}$ c) $\frac{2}{3}$ d) $\frac{1}{4}$

165) If $764xy$ is divisible by 90, then what is the value of $x+y$?

- a) 1 b) 3 c) 5 d) 6

166) Microscope of power 1000x can make things appear 1000 times larger when placed under it. How large will an object of diameter $3 \cdot 10^{-4}$ mm appear when placed under it?

- a) 0.003mm b) 3mm c) 0.03mm d) 0.3mm

167) A software engineer creates a LAN game where an 8 digit code made up of 1,2,3,4,5,6,7,8 has to be decided on as a universal code. There is a condition that each number has to be Used and no number can be repeated. What is the probability that first 4 digits of the code are even number?

- a) $\frac{1}{70}$ b) $\frac{1}{840}$ c) $\frac{1}{8}$ d) $\frac{1}{40320}$

168) 2 Content managers can complete developing questions for a module in 15 days. 7 days after they start working, 10 members join them. How many days will they take to complete the remaining work if they are all equally efficient?

a) $1^{5/6}$ b) $1^{1/44}$ c) 2 d) $2^{1/6}$

169) A television manufacturing company has decided to increase the sale to beat the economic slowdown. It decides to reduce the price of television sets by 25% as a result of which sales increased by 20%. What is the effect on the total revenue of the company?

a) Decrease by 20% b) Increase by 20% c) Increase by 10% d) decrease by 10%

170) A bread making machine can make bread of 50kg in 3 minutes. How many such machines are required to make breads of 300kg in 6 min?

a) 6 b) 3 c) 4 d) 5

171) What is the value of the expression?

$\log(xy/z) + \log(yz/x) + \log(zx/y)$, if $x=1$?

a) 0 b) $\log y + \log z$ c) $\log y - \log z$ d) $\log y / \log z$

172) Consider: A; A boat travels 300m upstream in 15 min.

B: its speed downstream in $8/5$ times its speed upstream.

Which of the following options provides the correct relationship between the speed of current and speed of boat?

a) Speed of current = $12/10$ times speed of the boat b) Speed of current = $3/13$ times speed of the boat c) Speed of current = $12/10$ times speed of the boat d) Speed of current = $9/13$ times speed of the boat .

173) The probability of an appliances having a blown fuse is 6% if the probability of it having a broken wire is 4%. Also 1% of the appliances to be repaired come in with both a blown fuse and a broken wire. What is the probability that an appliance has either of the problems on both?

a) 0.24 b) 0.12 c) 0.11 d) 0.09

174) Out of 9 people waiting for their turns for an interview in how many ways can a selection of 4 be made if 1 particular person is always selected?

a) $8p3$ b) $9p4 - 1p1$ c) $9p4$ d) $8c3$ e) $8p4$

175) In a promotional sale, a company sells a gymnasium kit consisting of bag with rs.999, a towel worth rs.199 a pair of shoes worth rs.1999 a slipper worth rs.199 for rs.2999 what is the net saving for the buyer?

a) 0.14 b) 0.2 c) 0.1 d) 0.25

176) If RESULT is coded as SFTVMU, then EXAM is coded as

a) FWBO b) DYZL c) FYBN d) DXZL

177) If STICK is coded as RSHBJ, then REPLY is coded as

a) SFQNX b) QDOKX c) SFQMZ d) QDOMX

178) CEHL:MORV :: WYBF:

a) GIKM b) GILP c) GJMP d) GHJM

179) If 1022834 represents vaccine, which word is represented by 4820548?

a) ECHELON b) ECLIPSE c) ESCAPES d) ESTIMATE

180) If GULMOHAR is coded as TFONLSZI, PIPAL will be coded as

a) QJQBM b) QJQBN c) KRKZO d) KIKZO

181) Given signs signify something and on that basis assume the given statement to be true

'#' denotes '>' '/' denotes '=', '+' denotes '#' '+' denotes '<', '%' denotes 'a little more than "", ' denotes 'a little less than if AC%BC, then

a) A/C b) B#C c) C#B d) B+A

182) 8, 12, 24, 60,

a) 120 b) 108 c) 142 d) 100 e) 99

