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RRB NTPC

TEST SERIES

DATE- __/__/__

DAY- _____

INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set 20

QUESTION- 100

MARKS- 100

NEGATIVE MARK- 1/3

DURATION- 90 MIN.

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2. AS SOON AS THE EXAMINATION STARTS, YOU MUST CHECK THIS QUESTION BOOKLET AND IF THERE IS ANY UNPRINTED, MUTILATED OR PARTIALLY PRINTED PAGE OR QUESTION IN IT, THEN REPLACE IT WITH THE CORRECT QUESTION BOOKLET THROUGH THE EXAMINER.
3. THERE ARE A TOTAL OF 100 QUESTIONS IN THIS QUESTION BOOKLET.
4. THIS IS AN OBJECTIVE TEST, IN WHICH FOUR OPTIONS ARE GIVEN FOR THE ANSWER TO EACH QUESTION, YOU HAVE TO CHOOSE ONLY ONE OPTION WITH THE CORRECT ANSWER OUT OF THESE FOUR OPTIONS.
5. ANSWERS TO ALL QUESTIONS ARE TO BE WRITTEN ON SEPARATE ANSWER SHEETS.

6. INSTRUCTIONS FOR FILLING THE ANSWER SHEET ARE WRITTEN ON THE BACK SIDE OF THE ANSWER SHEET, READ THEM CAREFULLY BEFORE FILLING THE ANSWER SHEET.
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Total: 100 Que.

RRB NTPC Set 20

Time: 90 Min.

RRB NTPC CBT I

- 1). The development of _____ was termed as "Neolithic Revolution"?
- (a) Agriculture (b) Metallurgy (c) Megaliths (d) Homonization
- 2). Select the false statement about 'Varahamihira'.
- (a) He was a great scientist during the Mauryan age.
(b) He wrote 'Brihat Samhita'.
(c) He also wrote 'Pancha Siddhantika'.
(d) He wrote famous book on different branches of Jyotishastra.
- 3). "Foreign jurisdiction" is listed in the _____ list given in the Seventh Schedule in the Constitution of India.
- (a) Union (b) State (c) Global (d) Concurrent
- 4). Who was the First High Court Chief Justice against whom the Parliament initiated impeachment proceedings?
- (a) Justice V. Ramaswami
(b) Justice P. D. Dinakaran
(c) Justice Soumitra Sen
(d) Justice P. Sadashivam
- 5). The electoral rolls for all elections to Parliament are determined by the Election commission under which article?
- (a) Article 335 (b) Article 324 (c) Article 367 (d) Article 315
- 6). For the elections of _____, Election Commission of India is not concerned.
- (a) President (b) Lok Sabha
(c) State Legislative Assembly
(d) Panchayati Raj Institutions
- 7). Union Public Service Commission is mentioned under which Part of constitution?
- (a) 12 (b) 14 (c) 16 (d) 18
- 8). Which planet has maximum period of rotation about its own axis?
- (a) Venus (b) Earth (c) Jupiter (d) Neptune
- 9). Which river originates at Mahabaleshwar in Maharashtra?
- (a) Krishna (b) Kaveri (c) Godawari (d) Damodar
- 10). Which one of the following is correctly matched?
- (a) Right to property - Fundamental right
(b) Procedure established by law - Australia
(c) The 3-tier system - Ashok Mehta
(d) Rule of law – Britain
- 11). The Constituent Assembly was set up to make "Constitution of India" under the framework of which of the following?
- (a) Government of India Act of 1935
(b) Cripps Mission (c) Cabinet Mission
(d) Simon Commission
- 12). If no political party gets absolute majority in the legislative assembly of a state in India, the Governor will go by
- (a) the advice of the Home Minister of India.
(b) the advice of the President of India.
(c) the advice of the Speaker of legislative assembly of the state concerned.
(d) his/her own discretion.
- 13). Which organization has launched the BHIM mobile application?
- (a) NPCI (b) NITI Ayog (c) NSDL (d) NIC
- 14). In the context of various environment protection treaties/protocols and the places

associated with them, which of the following is NOT correctly paired?

- (a) Protocol on Biosafety – Cartagena
- (b) Convention on the prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade – Stockholm
- (c) Convention on the Control of Transboundary Movement of Hazardous Wastes and their Disposal – Basel
- (d) Convention on Biological Diversity – Nagoya

15). A person who is liable to pay money is known as _____.

- (a) Debtor (b) Creditor (c) Drawer (d) Payer

16). Which one of the following is not a function of the Election Commission of India?

- (a) Preparation of electoral rolls for the election of Parliament and State Legislature
- (b) Settlement of disputes regarding allotment of election symbols to parties at the time of election
- (c) Deciding the names of the political parties
- (d) Ensuring that voters' lists are updated regularly

17). In which position, does a human press more weight on the earth?

- (a) Lying Position (b) Sitting Position
- (c) Standing Position (d) None of above

18). Which element in Indian Constitution does not represent Gandhian element?

- (a) Uniform Civil Code (b) Panchayati Raj
- (c) Cottage Industry (d) Secularism

19). Which inert gas can form compounds?

- (a) Argon (b) Xenon (c) Helium (d) Krypton

20). In which of the following, the speed of sound is greatest?

- (a) Air (b) Gold (c) Glass (d) Water

21). The tax levied on goods which are unhealthy for social growth and consumption is called as

- (a) Tobin tax (b) Sin tax (c) Rare tax
- (d) Whale tax

22). Way and Means advances are temporary loan facilities provided by RBI to state and central government. Its duration is

- (a) 1 day (b) 14 days (c) 30 days (d) 90 days

23). The Election Commission is a

- (a) Constitutional body (b) Statutory body
- (c) Ad-Hoc body (d) Single Member Body

24). Which of the following site is not a Uranium deposit site of the following?

- (a) Singhbhum Belt (b) Mahadek Basin
- (c) Bhima Basin (d) Chambal Basin

25). Which article states that, it shall be the duty of the Union to protect every State against external aggression and internal disturbance?

- (a) Article 352 (b) Article 353 (c) Article 355
- (d) Article 356

26). The ideals of Liberty, Equality, and Fraternity (contained in the Preamble of the Constitution of India) are borrowed from the constitution of which country?

- (a) Australia (b) Canada (c) Germany
- (d) France

27). The SC decides the disputes between Centre and States, between two or more states. This power of SC comes under its

- (a) Original Jurisdiction (b) Appellate Jurisdiction
- (c) Advisory Jurisdiction (d) Criminal Jurisdiction

28). Under Delhi Sultanate, who among the following was the Chief Judicial officer?

- (a) Qazi-ul-Quzat (b) Sadr-us-Sadr
- (c) Diwan-i-insha (d) Wazir

29). The union Budget 2021-22 increased the custom duty on cotton from 0% to%.

- (a) 2 (b) 5 (c) 10 (d) 15

30). The Indian Women's Association Madras was founded by

- (a) Annie Besant (b) Sarojini Naidu
- (c) Usha Mehta (d) None of above

31). Which of the following is not a communicable disease?

- (a) AIDS (b) Osteoporosis (c) Measles
(d) Hepatitis A

32). Competition Commission of India is which kind of a body?

- (a) Constitutional (b) Statutory
(c) Single Member (d) Private

33). Starred question are those questions which requires a/an

- (a) written answer (b) oral answer
(c) both oral and written answer
(d) either oral or written answer

34). Which among the following was the emblem of the Cholas?

- (a) Carp (b) Tiger (c) Bow (d) Horse

35). Which article of constitution deals with the ordinance powers of governor in state?

- (a) Article 123 (b) Article 213 (c) Article 312
(d) Article 313

36). In India, National Vaccination Day is observed on _____ every year.

- (a) 17th March (b) 18th March (c) 19th March
(d) 16th March

37). Veteran Kathakali artist Chemancheri Kunhiraman Nair passed away on March 15, 2021. He was awarded the Padam Shri in _____.

- (a) 2006 (b) 2014 (c) 2017 (d) 2007

38). Which of the following has won the 2020–21 Vijay Hazare Trophy?

- (a) Uttar Pradesh (b) Karnataka (c) Mumbai
(d) Gujarat

39). In 2021, the Union Minister of State for Sports Kiren Rijiju inaugurated Khelo India State Centre of Excellence for rowing in _____.

- (a) Thiruvananthapuram (b) Chennai
(c) Mumbai (d) Srinagar

40). Which country chaired the 17th BIMSTEC Ministerial Meeting on April 1, 2021?

- (a) India (b) Bhutan (c) Sri Lanka
(d) Bangladesh

41). For the given question, two statements are given, each followed by two conclusions I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statements:

1. Children play in the playground.
2. It gives them a different approach to problem-solving and decision making.

Conclusions:

- I. Playing outdoor is very necessary for the overall development of a child.
II. There should be a balance between playing and studying for a child.

- (a) Only conclusion II follows.
(b) Conclusion I and II both follow.
(c) Neither I nor II follows.
(d) Only conclusion I follows.

42). In the following question, select the missing number from the given alternatives.

2	3	5
7	11	13
?	19	23
29	31	37

- (a) 15 (b) 16 (c) 17 (d) 18

43). In the English alphabet, which letter is 13th from right end?

- (a) L (b) M (c) N (d) O

44). In a particular code system 'FRESH' is written as 'MKXPC' and 'LIME' is written as 'AQRX' and 'ACID' is written as 'GYQW'. How is 'FRAME' written in that code system?

- (a) MYNCX (b) MKGRX (c) MKGCA
(d) MAXPW

45). Direction : In the following question a statement is given, followed by two arguments I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given arguments, if any is a strong argument.

Statement: Should the sale of alcohol near highways be banned?

Arguments:

I. No, people should have the freedom to decide as it is their fundamental right.

II: Yes, 90% of road accidents involve drivers who are under the influence of alcohol.

- (a) if only argument I is strong.
(b) if only argument II is strong.
(c) if both I and II are strong.
(d) if neither I nor II is strong.

46). A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
30, 30, 60, 240, ?, 30720

- (a) 250 (b) 345 (c) 1920 (d) 1250

47). If JPG = 19 and PNG = 23, then TIF = ?

- (a) 20 (b) 13 (c) 15 (d) 23

48). M is the son of P. Q is the granddaughter of O who is the husband of P. How is M related to O?

- (a) Son (b) Daughter (c) Mother (d) Father

49). Which of the following expression represents S is the paternal uncle of D?

$A \times B \rightarrow$ A is the brother of B

$A \div B \rightarrow$ A is the father of B

$A + B \rightarrow$ A is the husband of B

$A - B \rightarrow$ A is the granddaughter of B

- (a) $S \times Y \div D$ (b) $S + Y \div D$ (c) $S \times Y + D$
(d) $S + Y - D$

50). 'Size' is related to 'Medium' in the same way as 'Shape' is related to '_____'.
(a) Oval (b) Colour (c) Corner (d) Object

51). Select the letter will replace the question mark (?) in the following series.
K, Q, V, ?, C, E, F

- (a) Y (b) X (c) A (d) Z

52). In the following question, select the related word from the given alternatives.
Conference : Chairman :: Newspaper : ?

- (a) Reporter (b) Distributor (c) Printer
(d) Editor

53). In an examination, 45% of the candidate failed in Reasoning and 35% in Hindi. If 10% failed in both Reasoning and Hindi and 600 students passed in both the subjects then how many students passed in Reasoning ?

- (a) 1250 (b) 1100 (c) 955 (d) 1125

54). A person travels in North-East direction for 17 km, then he travels 8 km in the south direction. How far he is from his starting position?

- (a) 10 km (b) 8 km (c) 15 km (d) 12 km

55). If 1st Feb of 2020 is Monday. Ram will celebrate his birthday on 23rd of April. On which day of the week Ram will celebrate his birthday?

- (a) Tuesday (b) Wednesday (c) Sunday
(d) Saturday

56). A, B, C, D and E are standing facing north. B is 80m to the right of D. A is at 120m in the south of B. C is at a distance of 50m in the west of D. E is at a distance of 180m in the north of A. Which one is in the north-east of C?

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

57). Select the number that can replace the question mark (?) in the following series.
2, 6, 38, ?

- (a) 1444 (b) 1446 (c) 1448 (d) 1450

58). A question and two statements labeled (I), (II) are given. You have to decide which statement(s) is/are sufficient to answer the question.

What is Rashmi's rank in the class?

I. There are 25 students in the class.

II. There are 8 students who have scored less than Rashmi.

- (a) Both the statements together are needed.
(b) Statement I alone is sufficient.
(c) Statement II alone is sufficient.
(d) Either I or II alone is sufficient.

59). Select the option that is related to the third term in the same way as the second term is related to the first term.

Ganga : Gangotri :: Narmada : ?

- (a) Chamba (b) Nandi Hills (c) Amarkantak
(d) Vindhyas

- 60). In the question below is given a statement followed by some courses of action. You have to assume everything in the statement to be true and on the basis of the information given in the statement. Decide which of the suggested courses of action logically follow(s) for pursuing.

Statement: "OTT platforms have become important for the entertainment of peoples".

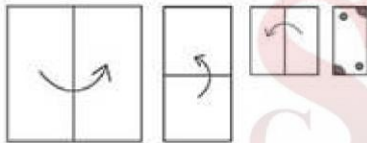
Assumptions:

- I. OTT platforms are the only medium of entertainment.
- II. People enjoy the contents of these platforms.

- (a) If only argument I is implicit.
- (b) If only argument II is implicit.
- (c) If neither I nor II is implicit.
- (d) If both I and II are implicit.

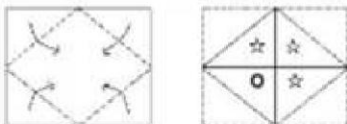
- 61). The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figure. How would this paper look when unfolded?

Question figure:



- (a)
- (b)
- (c)
- (d)

- 62). A paper is folded and cut as shown in the following figures. How will this paper appear when unfolded?



- (a)
- (b)
- (c)
- (d)

- 63). Select the option in which the given figure is embedded. (Rotation is NOT allowed)



- (a)
- (b)
- (c)
- (d)

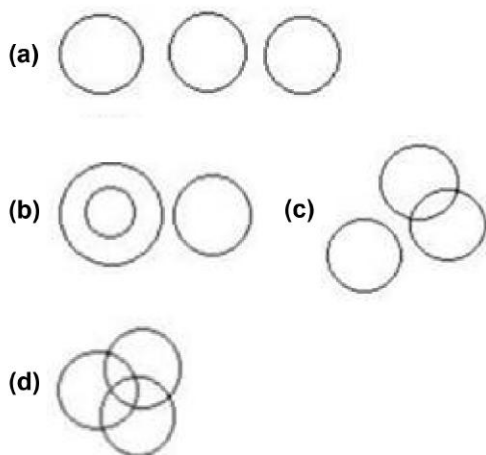
- 64). Select the option in which the given figure is embedded. (Rotation is not allowed)



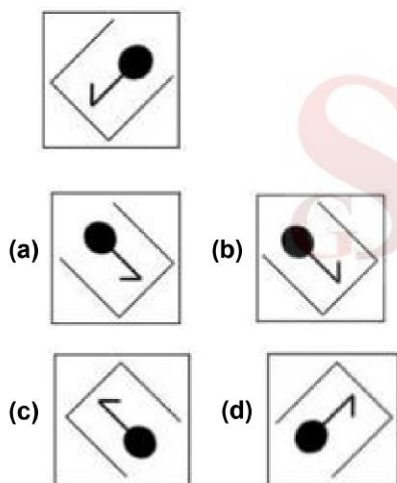
- (a)
- (b)
- (c)
- (d)

- 65). Select the Venn diagram that best represents the relationship between the following classes.

Reptile, Mammal, Lizard



- 66). Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.



- 67). Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

1. All singers are honest.
2. Some players are singers.

Conclusions:

- I. All players are honest.
- II. Some players are honest.

- (a) Neither conclusion I nor II follows.
 (b) Both conclusions I and II follow.
 (c) Only conclusion II follows.
 (d) Only conclusion I follows.

Eight boxes i.e. K, L, M, N, O, X, Y and Z are kept one above the other in a stack. The lowermost stack is numbered 1, the stack above it is numbered 2 and so on until the topmost stack is numbered 8. All the information is not necessarily in the same order.

Two Boxes are placed between Box K and Box Z. Box L placed two places above Box K. Five boxes are placed between Box L and Box Y.

Two Boxes are placed between Box M and Box N which placed adjacent to Box K. Only one box is placed between Box O and Box X. Box X does not place adjacent to Box K.

- 68). How many boxes are placed below Box X?
 (a) Three (b) One (c) Two (d) More than three

- 69). How many boxes are placed between Box O and Box Z?
 (a) Three (b) One (c) Two (d) Four

- 70). Direction: In given question below, a statement is followed by some assumptions. An assumption is something supposed or taken in for granted. You have to consider the statement and the following assumptions and then decide which of the assumptions is implicit in the statement.

Statement:

Playing badminton is good for health.

Assumptions:

- I. One should daily play badminton to maintain good health.
- II. All non-healthy people must play badminton to maintain good health.

- (a) Only assumption I is implicit.
 (b) Only assumption II is implicit.
 (c) Either assumption I or II is implicit.
 (d) Neither assumption I nor II is implicit.

- 71). Speed of boat in still water is 7 times to speed of current. If a person covers 40 km in 5 hrs in downstream then what is speed of boat in still water?

- (a) 5 km/h (b) 6 km/h (c) 7 km/h (d) 8 km/h

- 72). Basket A has 3 Blue, 2 Green and 5 Red balls. If three balls are picked at random from Basket A, what is the probability that at least one is Red?

- (a) 14/17 (b) 16/19 (c) 11/12 (d) 13/18

Direction: Study the following information carefully and answer the given questions:

73). Evaluate: $4^3 \times 64^2 \div 16^3 = 4^?$

- (a) 7 (b) 6 (c) 4 (d) 3

74). The greatest number which when subtracted from 5834, gives a number exactly divisible by each of 20, 28, 32 and 35 is:

- (a) 1120 (b) 4714 (c) 5200 (d) 5600

75). A man purchases 105kg of rice at the rate of Rs 10 per kg and 35kg of rice at the rate of Rs 12 per kg. After mixing both, he sells it at 30% profit. What is the total selling price of the rice?

- (a) Rs.1911 (b) Rs.1956 (c) Rs.1867
(d) Rs.1891

76). Find the least perfect square number, which when divided by 4, 5 and 6 gives remainder 0 in each case.

- (a) 144 (b) 900 (c) 3600 (d) 1600

77). The compound interest and simple interest on a certain sum of money for 2 years at same rate of interest are Rs. 208 and Rs. 200. What was the rate %?

- (a) 5% (b) 6% (c) 8% (d) 10%

78). If $a^2 + b^2 + c^2 = 21$, and $a + b + c = 7$, then $(ab + bc + ca)$ is equal to:

- (a) 14 (b) 8 (c) 28 (d) 12

79). CP of 20 articles is equal to SP of 12 articles and discount on 10 articles is equal to profit on 5 articles. Find the difference between profit % and discount %?

- (a) 53.82% (b) 83.33% (c) 66.66% (d) 50%

80). In a class of 60 students, 40% are girls. The average weight of the boys is 62kg and that of the girls is 55kg. What is the average weight of the whole class?

- (a) 59kg (b) 58.8kg (c) 59.2kg (d) 58.6kg

81). A milkman sells the milk at the cost price but he mixes water in it and thus he gains 9.09%. The quantity of water in the mixture of 10 litres is:

- (a) 909.09 ml (b) 990.90 ml (c) 833.33 ml
(d) None of these

82). The last two digits of the number 39^4 are:

- (a) 36 (b) 41 (c) 72 (d) 88

83). The average of a, b and c is 14, average of c, d and e is 20, average of e and f is 25 and average of e and c is 22. Find out the average of a, b, c, d, e and f.

- (a) 18 (b) 32 (c) 16 (d) 12

84). Find the value of $\frac{\sqrt{37} - 6}{\sqrt{37} + 6}$:

- (a) $73 + 12\sqrt{37}$ (b) $73 - 12\sqrt{37}$ (c) $71 - 12\sqrt{37}$
(d) $71 + 12\sqrt{37}$

85). Two inlet pipes can fill a tank in 7 hours and 8 hours, respectively. Both pipes are opened simultaneously and it is observed that due to leakage in the bottom, it took 16 minutes more to fill the tank. When the tank is full, in how much time, will the leak empty it?

- (a) 60 hrs (b) 50 hrs (c) 76 hrs (d) 56 hrs

86). If $a : b = 3 : 4$ and $b : c = 3 : 8$, then $2a : 3b : 7c$ is equal to:

- (a) 9 : 18 : 112 (b) 15 : 21 : 117 (c) 6 : 15 : 104
(d) 30 : 21 : 350

87). If Rahim decreases his speed by 25% then he will take 2 more hours to reach his destination. How much time will Rahim take reach his destination with his usual speed?

- (a) 8 hours (b) 4 hours (c) 5 hours (d) 6 hours

88). Compute: $10584 \div 168 - 63$

- (a) 1 (b) 0 (c) $\frac{540}{5}$ (d) $\frac{504}{5}$

89). A container contained a mixture of two liquid products M and N in the ratio 3 : 2. When 20 litres of the mixture was taken out and 20 litres of liquid N was poured into the container. This ratio became 9 : 16. Find the quantity of liquid M contained in the jar initially.

- (a) 45 litres (b) 16 litres (c) 36 litres
(d) 30 litres

90). Three numbers are in the ratio 3 : 5 : 11. If the sum of the first and the third is greater than

the second by 333. The sum of three numbers is :

- (a) 741 (b) 703 (c) 1197 (d) None of these

91). A sum was put at simple interest at a certain rate for 3 years. Had it been put at 3% higher rate; it would have fetched Rs. 2700 more. The sum is:

- (a) Rs 20000 (b) Rs 25000 (c) Rs 40000
(d) Rs 30000

92). If $x^2 = x + 6$, then find the value of x^3 ?

- (a) $5x + 4$ (b) $7x + 6$ (c) $3x + 2$ (d) $4x + 3$

93). The lengths of diagonals of a rhombus are 10 cm and 24 cm. Its area is:

- (a) 240 cm^2 (b) 60 cm^2 (c) 120 cm^2
(d) 180 cm^2

94). A delivery boy started from his office at 10 a.m. to deliver an article. He rode his scooter at a speed of 32 km/h. He delivered the article and waited for 15 minutes to get the payment. After the payment was made, he reached his office at 11.25 a.m., travelling at a speed of 24 km/h. Find the total distance travelled by the boy.

- (a) 32 km (b) 35 km (c) 40 km (d) 30 km

95). The sum of two positive numbers is 240 and their HCF is 15. Find the number of pairs of numbers satisfying the given condition.

- (a) 8 (b) 2 (c) 5 (d) 4

96). If $a = 43$, $b = 42$, $c = 41$, then find the value of $a^3 + b^3 + c^3 - 3abc$

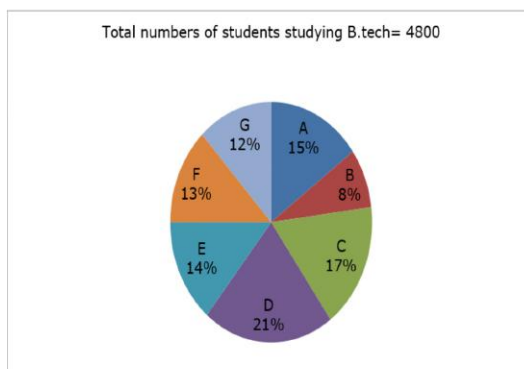
- (a) 325 (b) 362 (c) 378 (d) 256

97). The radii of two right circular cylinders are in the ratio 3 : 2 and the ratio of their volumes is 27 : 16. What is the ratio of their heights?

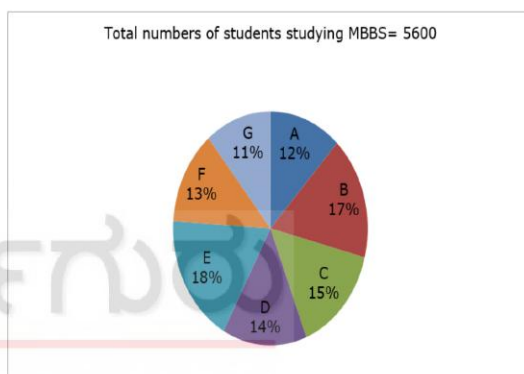
- (a) 8 : 9 (b) 3 : 4 (c) 4 : 3 (d) 9 : 8

Direction: Study the following information carefully and answer the questions given below.

Percentage wise distribution of students studying in B.tech and MBBS in seven different colleges A, B, C, D, E, F and G.



100% = 4800, therefore, 1% = 48



100% = 5600 therefore, 1% = 56 .

98). What is the total number of students studying MBBS in colleges A, C and G together?

- (a) 2740 (b) 2128 (c) 2354 (d) 2228

99). The sum of weights of A and B is 140 kg. 50% of A's weight is $\frac{2}{3}$ times the weight of B. Find the difference between their weights.

- (a) 14 kg (b) 21 kg (c) 20 kg (d) 28 kg

100). Simplify:

$$\frac{15\frac{1}{5} + 13\frac{3}{5} + 17\frac{2}{3} + 11\frac{1}{3} + 16\frac{4}{5}}{2\frac{3}{4} \times \frac{1}{11} \div 5 \times 5 + \frac{3}{4}}$$

- (a) $373/5$ (b) $363/5$ (c) 373 (d) $333/5$