MBA Entrance Test Sample Paper with Answer Key

Name: **Form Number:**
Total Time :- 2 Hours Questions: 100 MCQs **Total Marks :-** 200

1. A software engineer has the capability of thinking 100 lines of code in five minutes and can type 100 lines of code in 10 minutes. He takes a break for five minutes after every ten minutes. How many lines of codes will he complete typing after an hour?
a. 250 b. 220 c. 150 d. 200

2. A monkey starts climbing up a tree 20ft. tall. Each hour, it hops 3ft. and slips back 2ft. How much time would it take the monkey to reach the top?
a. 21 hours b. 12 hours c. 18 hours d. 15 hours

3. If a light flashes every 6 seconds, how many times will it flash in ¾ of an hour?
a. 450 b. 451 c. 350 d. 425

4. If the radius of a circle is diminished by 10%, then its area is diminished by:
a. 10% b. 19% c. 20% d. 36%

5. A boat travels 20 kms upstream in 6 hrs and 18 kms downstream in 4 hrs. Find the speed of the boat in still water and the speed of the water current?
a. 1/2 kmph b. 7/12 kmph c. 5 kmph d. none of Above

6. At what time after 4.00 p.m. is the minutes hand of a clock exactly aligned with the hour hand?
a. 4:21:49.5 b. 4:27:49.5 c. 3:21:49.5 d. 4:21:44.5

7. A shop keeper sold a T.V set for Rs.17,940 with a discount of 8% and earned a profit of 19.6%.What would have been the percentage of profit earned if no discount was offered?
a. 24.8% b. 25% c. 26.4% d. None of these

8. One of Mr. Horton, his wife, their son, and Mr. Horton's mother is a doctor and another is a lawyer.
(i) If the doctor is younger than the lawyer, then the doctor and the lawyer are not blood relatives.
(ii) If the doctor is a woman, then the doctor and the lawyer are blood relatives.
(iii) If the lawyer is a man, then the doctor is a man. Whose occupation you know?
a. Mr. Horton: he is the doctor b. Mr. Horton's son: she is the lawyer
c. Mr. Horton: he is not the doctor d. Mr. Horton's mother: she is the doctor

9. In the given figure, PA and PB are tangents to the circle at A and B respectively and the chord BC is parallel to tangent PA. If AC = 6 cm, and length of the tangent AP is 9 cm, then what is the length of the chord BC?
a. 4 cm b. 8 cm c. 6 cm d. 5 cm

10. Which number is the odd one out? 9678 4572 5261 3527 7768
a. 7768 b. 3527 c. 4572 d. 9678

11. Sam and Mala have a conversation. Sam says I am certainly not over 40 Mala Says I am 38 and you are at least 5 years older than me · Now Sam says you are at least 39 all the statements by the two are false. How old are they really?

a. Mala = 38 yrs, Sam =31 yrs.
b. Mala = 38 yrs, Sam = 41 yrs
c. Mala = 31 yrs, Sam = 41 yrs.
d. Mala = 45yrs, Sam = 41 yrs

12. There are 3 triplet brothers. They look identical. The oldest is John, he always tells the truth. The second is Jack, he always tells a lie. The third is Joe, he either tells the truth or a lie. Jimmie Dean went to visit them one day. He was wondering who was who? So he asked each person a question. He asked the one who was sitting on the left: "Who is the guy sitting in the middle?". The answer was "He is John." He asked the one who was sitting in the middle: "What is your name?". The answer was "I am Joe." He asked the one who was sitting on the right: "What is the guy sitting in the middle?". The answer was "He is Jack." Jimmie Dean got really confused. Basically, he asked 3 same questions, but he got 3 different answers. which is not true?

a. left most is joe
b. middle is jack
c. right is john
d. middle is john

13. A three-digit number consists of 9,5 and one more number. When these digits are reversed and then subtracted from the original number the answer yielded will be consisting of the same digits arranged yet in a different order. What is the other digit?

a. 1
b. 2
c. 3
d. 4

14. Solid cube of 6 * 6 * 6. This cube is cut into to 216 small cubes. (1 * 1 * 1). The big cube is painted in all its faces. Then how many of cubes are painted at least 2 sides.

a. 56
b. 45
c. 23
d. 28

15. There is a shortage of tube lights, bulbs and fans in a village – Gurgaon. It is found that
(i). All houses do not have either tube light or bulb or fan.
(ii). Exactly 19% of houses do not have just one of these.
(iii). At least 67% of houses do not have tube lights.
(iv). At least 83% of houses do not have bulbs.
(v). At least 73% of houses do not have fans.

a. 42 %
b. 46 %
c. 50 %
d. 54 %

16. If 9 engines consume 24 metric tons of coal, when each is working 8 hours a day; how much coal will be required for 8 engines, each running 13 hours a day, it being given that 3 engines of the former type consume as much as 4 engines of latter type.

a. 22 metric tons.
b. 27 metric tons.
c. 26 metric tons.
d. 25 metric tons.

17. To 15 liters of water containing 20% alcohol, we add 5 liters of pure water. What is % alcohol.

a. 20%
b. 34%
c. 15%
d. 14%

18. There are 3 societies A, B, C. A lent cars to B and C as many as they had Already. After some time, B gave as many tractors to A and C as many as they have. After some time c did the same thing. At the end of this transaction each one of them had 24. Find the cars each originally had.

a. A had 21 cars, B had 39 cars & C had 12 cars
b. A had 39 cars, B had 39 cars & C had 12 cars
c. A had 39 cars, B had 21 cars & C had 19 cars
d. A had 39 cars, B had 21 cars & C had 12 cars

19. Five racing drivers, Alan, Bob, Chris, Don, and Eugene, enter a contest that consists of 6 races. The results of all six races are listed below: Bob always finishes ahead of Chris. Alan finishes either first or last. Eugene finishes either first or last. There are no ties in any race. Every driver finishes each race. In each race, two points are awarded for a fifth-place finish, four points for fourth, six points for third, eight points for second, and ten points for first. If Frank enters the third race and finishes behind Chris and Don, which of the following must be true of that race?

a. Eugene finishes first. b. Alan finishes sixth.
c. Don finishes second. d. Frank finishes fifth

20. An emergency vehicle travels 10 miles at a speed of 50 miles per hour. How fast must the vehicle travel on the return trip if the round-trip travel time is to be 20 minutes?

a. 72 miles per hour b. 75 miles per hour c. 65 miles per hour d. 78 miles per hour

21. There is a certain relation between two given words on one side of : : and one word is given on another side of : : while another word is to be found from the given alternatives, having the same relation with this word as the given pair has. Select the best alternative. Horse : Jockey : : Car : ?

a. Mechanic b. Chauffeur c. Steering d. Brake

22. 500 men are arranged in an array of 10 rows and 50 columns according to their heights. Tallest among each row of all are asked to fall out. And the shortest among them is A. Similarly, after resuming that to their original positions that the shortest among each column are asked to fall out. And the tallest among them is B. Now who is taller among A and B?

a. A b. B c. Both are of same height d. None

23. Ronald and Michelle have two children. The probability that the first child is a girl, is 50%. The probability that the second child is a girl, is also 50%. Ronald and Michelle tell you that they have a daughter. What is the probability that their other child is also a girl?

a. 1/2 b. 1/3 c. 1/4 d. 1/5

24. Ram bought ‘a’ flower for ‘b’ rupees, where ‘a’ and ‘b’ are integers. If he had bought 10 more flowers, he would have got all for Rs. 2 and saved 80 paisa a dozen. What are the respective vales of ‘a’ and ‘b’?

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

25. In a certain axle, INSTITUTION is written as NOITUTITSNI. How is PERFECTION written in that code?

a. NOICTEFREP b. NOITCEFERP c. NOITCEFRPE d. NOITCEFREP

26. If BELIEF is written as afkkdi, how is SELDOM written in that code?

a. tfkenp b. rfkfnp c. rfkenn d. rdkcnl

27. In a code language, DISTANCE is written as IDTUBECN and DOCUMENT is written as ODDVNTNE. How is THURSDAY written in that language?

a. DTVSTEYA b. HTTQRYAD c. HTVSTYDA d. HTVSYADS

28. In a certain language, CHAMPION is coded as HCMAIPNO, how is NEGATIVE coded in that code?

a. ENAGITEV b. NEAGVEIT c. MGAETVIE d. EGAITEVN

29. If PEOPLE is coded as PLPOEE, how is TREND coded?
a. TREDN b. DNERT c. NDETR d. TNERD

30. In a certain code. MUNICIPALITY is written as INMUAPCIYTLI. How is JUDICIAL written in that code?
a. UJDILACI b. IDUJLACI c. IDJULAIC d. IDJULACI

31. If CIGARETTE is coded as GICERAETT then DIRECTION will be coded as:
a. RIDTCENOI b. NORTECDII c. NOIETCRID d. IRDCTIONE

32. One multiple choice question carries 10 marks in some exam. There is a total of 3 such questions. What is the probability that a candidate who is choosing the options at random will get all the answers right?
a. 2 % b. 4% c. 6% d.33%

33. In a geometric Progression series, the first term is 3 and r = 4. Which of the following can be obtained from this series:
a. 27, 91, 2354, 6785 b. 27, 5832, 6859, 8746
c. 27, 1728, 110592, 7077888 d. 27, 88765, 988786, 10992379, 9013745

34. The total strength of the class is 90 and the number of girls is twice that of boys. Suraj is ranked 14th from the top. Suppose there are 10 girls ahead of Suraj. Find the number of boys after Suraj in the ranking order.
a. 24 b. 25 c. 26 d. 28

35. There are fifteen girls standing in a line facing North. Suman is standing at 11th position from the right side. Radhika is standing at 9th position from the left side. Mina is standing between Suman and Radhika. Find the number of girls standing to the right of Mina.
a. 5 girls b. 6 girls c. 7 girls d. 8 girls

36.In the following, a number series is given. In the series only one number is wrong. Find out the wrong number: 5/2, 3, 11/2, 7
a. 5/2 b. 3 c. 11/2 d. 7

37. The average of a number of terms is 8. If each term is added by 2, what is the new average of the data set?
a. 8.5 b. 9.5 c. 10 d. Insufficient data

38.The average of a series is 25. If the series is split into two series, such that the average of one of the series is 15, then the average of the other series is:
a. 12.5 b. 5 c. 10 d. Data Insufficient

39. A and B together can complete a task in 20 days. B and C together can complete the same task in 30 days. A and C together can complete the same task in 30 days. What is the respective ratio of the number of days taken by A when completing the same task alone to the number of days taken by C when completing the same task alone?
a. 3:1 b. 3:2 c. 1:3 d. 2:3

40. Khan and Samip can do a certain task in 8 days. Samip and Yawer can do the same job in 12 days. Khan, Samip, and Yawer if working together can do the job in 6 days. In how many days can Khan and Yawer complete the job?
a. 8 days b. 16 days c. 32 days d. 6 days

41. Two persons A and B together can do a piece of work in 8 days. A alone does the same work in 12 days. Then if B alone works, he can do the same work in?
a. 100 days b. 33.33 days c. 24 days d. 80 days

42. Three people A, B, and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?
a. 10 days b. 15 days c.20 days d. 25 days

43. How many ways can you arrange the alphabet of the English language, if you were to form all the words that have three alphabets in them?
a. 15 b. 156 c. 1560 d. 15600

44. Two men earn a yearly salary in the ratio 10:13. If there spending is in the ratio of 4:5 and the man spending lesser of the two saves Rs. 6000 while the other one saves Rs. 8000, then find the salary of the person who is higher paid.
a. Rs. 12000 b. Rs. 14000 c. Rs. 13000 d. Rs. 11000

45. If the ratio of the ages of Priya and Sunanda is 6:5 at present, and after fifteen years from now, the ratio will be changed to 9:8, then find the Priya's current age.
a. 22 years b. 30 years c. 34 years d. 38 years

46. P, Q, and R played cricket. P's runs are to Q's runs and Q's runs are to R's runs at 3:2. All of them scored a total of 342 runs. How many runs did P make?
a. 140 b. 154 c. 168 d. 162

47. What is the area of a triangle with base 5 meters and height 10 meters?
a. 20 square meters b. 35 square meters c. 25 square meters d. 40 square meters

48. In a kilometre race, A beats B by 40 meters or by 5 seconds. What is the time taken by A over the course?
a. 1 minute 57 seconds b. 2 minutes c. 1.5 minutes d. None of these

49. What is the probability of getting an even number when a dice is rolled?
a. 1/5 b. 1/2 c. 1/3 d. ¼

50. Find the missing term of the given expression: 18.834 + 818.34 -? = 618.43
a. 217.644 b. 218.744 c. 217.744 d. 217.844

51. If each side of a square is increased by 50%, the ratio of the area of the resulting square to the area of the given square is:
a. 5:4 b. 9:4 c. 4:5 d. 4:9

52. A rectangular carpet has an area of 60 square meter. If its diagonal and longer side together equal 5 times the shorter side, the length of the carpet is:

a. 5m b. 12m c. 13m d. 14.5m

53. If $A \subset B \subset C$, then (A-B) U(B-C) U(A-C) =…….

a. $A \cap B \cap C$ b. AUBUC c. { } d. None of these

54. Find the number of elements in the power set of {1,2}

a. 4 b. 0 c. 2 d. None of these

55. Find the 15^{th} term of an arithmetic progression whose first term is 2 and the common difference is 3.

a.45 b.38 c.44 d.40

56. The sum of the terms of an infinite G. P is 7 and the sum of the cubes of the terms is 1225. Find the first term of the series.

a. 35/3 b.35/2 c.15/2 d. 9/4

57. What is the sum of first 15 terms of an A. P series, whose 11^{th} and 7^{th} terms are 5.25 and 3.25 respectively.

a. 56.25 b. 60 c. 52.5 d. None of these

58. A man can row a boat at 10 kmph in still water and the speed of the stream is 8 kmph. What is the time taken to row a distance of 90 km down the stream?

a. 8hrs b. 5 hrs c. 15 hrs d. 20 hrs

59. Eight persons participated in a shooting competition. The top score in the competition is 85 points. Had the top score been 92 points instead of 85 points, the average score would have been 84. Find the number of points scored in the competition.

a. 645 b. 655 c. 665 d. 636

60. Which word does not belong with the others?

a. index b. glossary c. chapter d. book

61. Which word is the odd man out?

a. trivial b. unimportant c. important d. insignificant

62. A garrison of 500 persons had provisions for 27 days. After 3 days a reinforcement of 300 persons arrived. For how many more days will the remaining food last now?

a. 15 DAYS b. 16 DAYS c. 14 DAYS d. NONE

63. if log 2 = 0.30103 and log 3 = 0.4771, find the number of digits in $(648)^5$

a. 13 b. 15 c. 12 d. 10

64. If log4x+log2x=12log4 x+log2x=12, then xx is equal to:

a. 256 b. 16 c. 1024 d. 8

65. Which is the least among the following?
a. 0.3 b. $(0.3)^2$ c. 0.35 d. 0.29

66. What decimal of an hour is a second?
a. 0.00026 b. 0.00025 c. 0.00024 d. 0.00027

67. Find the odd man out. 12,21,32,45,60,77,9512,21,32,45,60,77,95
a. 45 b. 32 c. 95 d. 21

68. Find the odd man out. 3, 5, 15, 75, 1120 ,843753, 5, 15, 75, 1120, 84375
a. 15 b. 1120 c. 84375 d. 3

69. 8 litres are drawn from a cask full of wine and is then filled with water. This operation is performed three more times. The ratio of the quantity of wine now left in cask to that of the water is 16 : 65. How much wine did the cask originally hold?
a. 26 b. 24 c.30 d.32

70. A jar full of whiskey contains 40% alcohol. A part of this whisky is replaced by another containing 19% alcohol and now the percentage of alcohol was found to be 26%. The quantity of whisky replaced is:
a. 3/4 b. 3/2 c. 2/3 d. 4/3

71. In what ratio should rice at Rs.9.30 per kg be mixed with rice at Rs. 10.80 per kg so that the mixture be worth Rs.10 per kg?
a. 8:7 b. 7:8 c. 1:7 d. 8:1

72. At a game of billiards, A can give B 1515 points in 6060 and A can give C 2020 points in 60.60. How many points can B give C in a game of 90?
a. 12 POINTS b. 10 POINTS c. 20 POINTS d. 22 POINTS

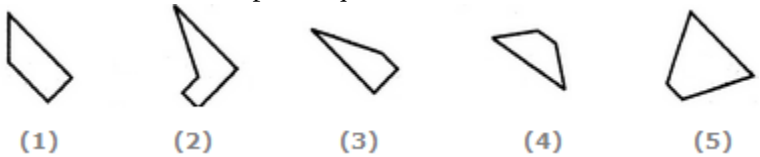
73. How many days are there in y weeks y days?
a. 8y b. $8y^2$ c. 16y d. 21y

74. A boat covers 6 km upstream and return back to the starting point in 2 hours. If the flow of the stream is 4 km/hr, what is the speed of the boat in still water?
a. 5km/hr b. 6km/hr c. 7.3 km/hr d. 8km/hr

75. A clock is set at 4am. It loses 16 minutes in 24 hours. What will be the correct time when the clock indicates 9pm on the 4th day?
a. 8pm b. 7pm c. 10pm d. 11pm

76. A watch which gains uniformly is 5 minutes slow at 6am on Monday and is 5 minutes 48 seconds fast at 6pm on the following Monday. When was it correct?
a. 5:20 pm on Wednesday b. 5:20 pm on Thursday
c. 4:20 pm on Wednesday d. 4:20 pm on Thursday

77. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.



a. 124 b. 235 c. 134 d. 245

78. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form an equilateral triangle.

a. 124 b. 135 c. 134 d. 345

79. The school principal has received complaints from parents about bullying in the school yard during recess. He wants to investigate and end this situation as soon as possible, so he has asked the recess aides to watch closely. Which situation should the recess aides report to the principal?
a. A girl is sitting glumly on a bench reading a book and not interacting with her peers.
b. Four girls are surrounding another girl and seem to have possession of her backpack.
c. Two boys are playing a one-on-one game of basketball and are arguing over the last basket scored.
d. Three boys are huddled over a handheld video game, which isn't supposed to be on school grounds.

80. Zachary has invited his three buddies over to watch the basketball game on his wide-screen television. They are all hungry, but no one wants to leave to get food. Just as they are arguing about who should make the food run, a commercial comes on for a local pizze-ria that delivers. The phone number flashes on the screen briefly and they all try to remember it. By the time Zachary grabs a pen and paper, each of them recollects a different number.
#1: All of the men agree that the first three numbers are 995.
#2: Three of them agree that the fourth number is 9.
#3: Three agree that the fifth number is 2.
#4: Three agree that the sixth number is 6; three others agree that the seventh number is also 6.
Which of the numbers is most likely the telephone number of the pizzeria?
a. 995-9266 b. 995-9336 c. 995-9268 d. 995-8266

81. Rita, an accomplished pastry chef who is well known for her artistic and exquisite wedding cakes, opened a bakery one year ago and is surprised that business has been so slow. A consultant she hired to conduct market research has reported that the local population doesn't think of her shop as one they would visit on a daily basis but rather a place they'd visit if they were celebrating a special occasion. Which of the following strategies should Rita employ to increase her daily business?
a. making coupons available that entitle the coupon holder to receive a 25% discount on wedding, anniversary, or birthday cakes.

b. exhibiting at the next Bridal Expo and having pieces of one of her wedding cakes available for tasting.
c. placing a series of ads in the local newspaper that advertise the wide array of breads.
d. moving the bakery to the other side of town.

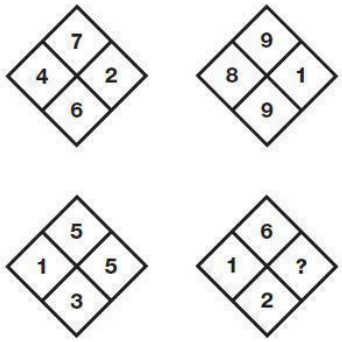
82. If A + B means A is the mother of B; A - B means A is the brother B; A % B means A is the father of B and A x B means A is the sister of B, which of the following shows that P is the maternal uncle of Q?
a. Q - N + M x P b. P + S x N – Q c. P-M+N x Q d. Q-S%P

83. If A is the brother of B; B is the sister of C; and C is the father of D, how D is related to A?
a. Brother b. Sister c. Nephew d. can not be determined

84. Pointing to Varman, Madhav said, "I am the only son of one of the sons of his father." How is Varman related to Madhav?
a. Nephew b. Uncle c. Father or Uncle d. Father

85. P is the mother of K; K is the sister of D; D is the father of J. How is P related to J?
a. Mother b. Grandmother c. Aunt d. Data Inadequate

86. Find the missing Number?



a. 10 b. 12 c. 16 d. 21

87. How many letters of the word FAINTS, will their order in the word and that when the letters are arranged in the alphabetical order, remain the same?
a. 2 b. 3 c. 4 d. 1

88. A man was murdered in his office. The suspects are Ericsson, Maggi, Joel, Benny and Sona. A calendar found near the man has blood written 6, 4, 9, 10, 11. Who is the killer:
a. Maggi b. Joel c. Benny d. Ericsson

89. There are three boxes in a table. One of the boxes contains Gold and the other two are empty. A printed message contains in each box. One of the messages is true and the other two are lies. The first box says, 'The Gold is not here'. The Second box says, 'The Gold is not here'. The Third box says, 'The Gold is in the Second box'. Which box has the Gold?
a. FIRST BOX b. SECOND BOX c. THIRD BOX d. NONE

90. If A is substituted by 4, B by 3, C by 2, D by 4, E by 3, F by 2 and so on, then what will be total of the numerical values of the letters of the word SICK?

a. 11 b. 12 c. 13 d. 10

91. A cuboid shaped wooden block has 6 cm length, 4 cm breadth and 1 cm height. Two faces measuring 4 cm x 1 cm are colored in black. Two faces measuring 6 cm x 1 cm are colored in red. Two faces measuring 6 cm x 4 cm are colored in green. The block is divided into 6 equal cubes of side 1 cm (from 6 cm side), 4 equal cubes of side 1 cm (from 4 cm side). How many cubes will have green color on two sides and rest of the four sides having no color?

a. 8 b. 6 c. 5 d. 4

92. The average temperature for Monday, Tuesday and Wednesday was 40 degree Celsius. The average for Tuesday, Wednesday and Thursday was 41 degree Celsius, and that for Thursday being 45 degree Celsius. What was the temperature on Monday?

a. 42-degree b. 50-degree c. 45-degree d. 40-degree

93. A person walks 8 km. in the East direction. Therefrom, he moves 5 km. in the North-West direction. From that place he walks 6km. in the South direction. His last point will be in the direction _____ from starting point?

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

94. One-fifth of a number is equal to 1/5 of another number. If 35 is added to the first number, it becomes four times of the second number. The second number is

a. 30 b. 40 c. 50 d. 70

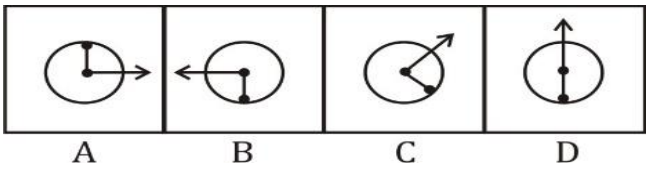
95. Two trains, one from P to Q and the other from Q to P, start simultaneously. After they meet, the trains reach their destinations after 99 hours and 1616 hours respectively. The ratio of their speeds is

a. 2:3 b. 2:1 c. 3:2 d. 4:3

96. How many seconds will a 500 meter long train moving with a speed of 63 km/hr, take to cross a man walking with a speed of 3 km/hr in the direction of the train ?

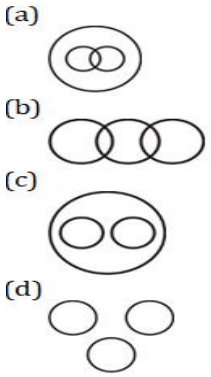
a. 50 b. 30 c. 28 d. 42

97. Choose the figure which is different from the others in the given set.



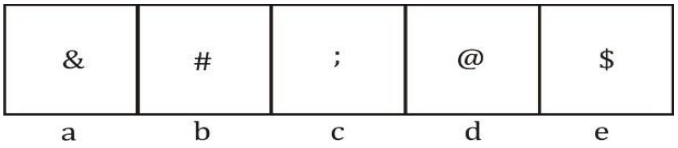
a. a b. b c. c d. d

98. Which of the following correctly represents the relationship between: Eyes, Forehead and Face



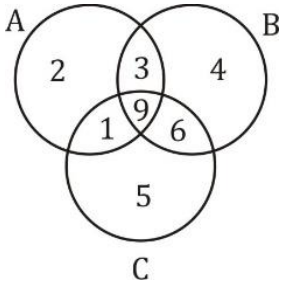
a. (a) b. (b) c. (c) d. (d)

99. Choose figure that is different from the rest.



a. b b. c c. e d. a

100. The given Venn diagram represents the sports preference of a group of school students. There are three games: A-Hockey, B-Cricket, C-Squash. How many students plays at least one game?



a. 15 b. 21 c. 30 d. 25

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Answer Key

1. a
2. c
3. b
4. b
5. b
6. a
7. d
8. a
9. a
10. b
11. b
12. d
13. d
14. a
15. a
16. c
17. c
18. d
19. d
20. b
21. b
22. a
23. b
24. a
25. d
26. b
27. d
28. a
29. d
30. d
31. a
32. b
33. c
34. c
35. d
36. b
37. c
38. c
39. c
40. a
41. c
42. b
43. d
44. c
45. b
46. d
47. c
48. b
49. b
50. b
51. b
52. b
53. c
54. a
55. c
56. a
57. a
58. b
59. c
60. d
61. c
62. a
63. b
64. a
65. b
66. d
67. c
68. b
69. b
70. c
71. a
72. b
73. a
74. d
75. c
76. b
77. b
78. b
79. b
80. a
81. c
82. c
83. d
84. c
85. b
86. b
87. a
88. b
89. a
90. a
91. a
92. a
93. a
94. b
95. d
96. b
97. d
98. c
99. b
100. c