

Seat No.

Total No. of Pages : 28

P.G. Entrance Examination, 2024
M.B.A (Distance / Excutive Mode)
Subject Code : 71136

Day and Date : Sunday, 19-05-2024
Time : 03:30 pm to 05:00 pm

Total Marks : 100

Instructions :

- 1) Do not write anything on the Question Booklet. Blank page is attached for rough work.
 - 2) Separate answer sheet is provided to answer the questions
 - 3) All questions are compulsory.
 - 4) Each question carries one mark. Select the correct alternative from a), b), c), d) and blacken the oval bearing right answer.
 - 5) This is to be done in a given Answer Sheet. Use only black ball point pen.
 - 6) Calculators, Mobiles and Pagers are not allowed.
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- 1) Amit covers a distance at a speed of 24 km/hr in 6 min. If he wants to cover the same distance in 8 min, what should be his speed?

a) 18 km/hr	b) 21 km/hr
c) 30 km/hr	d) 15 km/hr
- 2) 4 women and 12 children together take four days to complete a piece of work. How many days will four children alone take to complete the piece of work if two women alone can complete the piece of work in 16 days?

a) 32	b) 24
c) 16	d) 12

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- 3) A train having length 150 m passes a platform of 550 m length. The time taken for it is 56 seconds. In how much time will this train take to pass the platform of 250 m length?
- a) 32 seconds. b) 24 seconds
c) 28 seconds d) 30 seconds
- 4) The L.C.M. of two numbers is 14560 and their H.C.F. is 13. If one of them is 416, the other is
- a) 460 b) 455
c) 450 d) 445
- 5) At 6% rate of interest p.a., a sum of Rs 2500 will earn how much interest by the end of 5 years?
- a) Rs 150 b) Rs 700
c) Rs 750 d) Rs 650
- 6) If selling price of 12 pens is equal to the cost price of 18 pens, find the profit percent.
- a) 40% b) 33.3%
c) 50% d) 25%
- 7) The angle between the minute hand and hour hand of a clock when the time is 6.00 pm.
- a) 60° b) 90°
c) 180° d) 120°

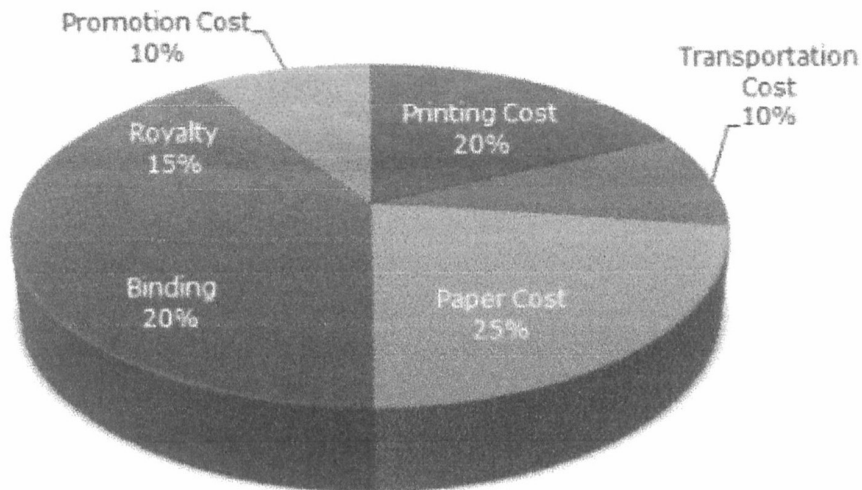
ENT-10

- 8) If $56 \times 11 = 9$, $37 \times 13 = 6$, $42 \times 12 = 3$ then find the value of $87 \times 77 = ?$
- a) 3
c) 1
- b) 4
d) 5
- 9) Afters 5 years, the age of father will be thrice the age of his son. Where as 5 years ago, he was seven times elder than his son, the present age of his father is
- a) 40
c) 35
- b) 45
d) 50
- 10) The area of a right angled triangle whose hypotenuse is 10 cm and base 8 cm is
- a) 34 sq.cm
b) 36 sq.cm
c) 24 sq.cm
d) 48 sq.cm
- 11) How many 3-digit numbers can be formed from the digits 2, 3, 5, 6, 7 and 9, which are divisible by 5 and none of the digits is repeated?
- a) 5
c) 15
- b) 10
d) 20
- 12) A farmer travelled a distance of 61 km in 9 hours. He travelled partly on foot @ 4 km/hr and partly on bicycle @ 9 km/hr. The distance travelled on foot is:
- a) 14 km
c) 16 km
- b) 15 km
d) 17 km

ENT-10

Directions: (Qs. 24 to 30): The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book, Study the pie-chart and answer the question based on it.

Various Expenditures (in percentage) Incurred in Publishing a Book



- 24) If for a certain quantity of books, the publisher has to pay Rs. 30,600 as printing cost, then what will be amount of royalty to be paid for these books?
- a) Rs. 19,450
 - b) Rs. 21,200
 - c) Rs. 22,950
 - d) Rs. 26,150
- 25) What is the central angle of the sector corresponding to the expenditure incurred on Royalty?
- a) 15
 - b) 24
 - c) 54
 - d) 48

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- 26) The price of the book is marked 20% above the C.P. If the marked price of the book is Rs. 180, then what is the cost of the paper used in a single copy of the book?
- a) Rs. 36
b) Rs. 37.50
c) Rs. 42
d) Rs. 44.25
- 27) If 5500 copies are published and the transportation cost on them amounts to Rs. 82500, then what should be the selling price of the book so that the publisher can earn a profit of 25%?
- a) Rs. 187.50
b) Rs. 191.50
c) Rs. 175
d) Rs. 180
- 28) Royalty on the book is less than the printing cost by:
- a) 5%
b) $33 \frac{1}{5}\%$
c) 20%
d) 25%
- 29) For an edition of 12,500 copies, the amount of Royalty paid by the publisher is Rs. 2,81,250. What should be the selling price of the book if the publisher desires a profit of 5%?
- a) Rs. 152.50
b) Rs. 157.50
c) Rs. 162.50
d) Rs. 167.50

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- 30) If for an edition of the book, the cost of paper is Rs. 56250, then find the promotion cost for this edition.
- a) Rs. 20,000
b) Rs. 22,500
c) Rs. 25,500
d) Rs. 28,125
- 31) $570061/17 = \dots\dots\dots$
- a) 33533
b) 33433
c) 33033
d) 33133
- 32) Find the missing term of sequence 6, 12, 21, ? 48.
- a) 38
b) 40
c) 33
d) 45
- 33) At present, the ratio between the ages of Arun and Deepak is 4: 3. After 6 years, Arun's age will be 26 years. What is the age of Deepak at present?
- a) 12 years
b) 15 years
c) 19 and half
d) 21 years
- 34) A man spent 20% of his monthly earning on house rent. Out of the balance, he spent 75% on the other house expenses. If he had a balance of Rs. 250 at the end of the month, the monthly earning of the man is
- a) Rs. 1000
b) Rs. 1500
c) Rs. 1250
d) Rs. 2500

- 35) The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys is 45.15 kg. Find the average weights of all the boys in the class.
- a) 47.55 kg b) 48 kg
c) 48.55 kg d) 49.25 kg
- 36) A two-digit number is such that the product of the digits is 8. When 18 is added to the number, then the digits are reversed. The number is
- a) 18 b) 24
c) 42 d) 81
- 37) A is brother of B, C is the father of A, D is brother of E and E is daughter of B. then uncle of D is...
- a) E b) B
c) C d) A
- 38) $(0.005 \times 4) + 0.98$ is equal to.....
- a) 0.1 b) 1
c) 2.98 d) 0.01
- 39) Complete the series 2, 5, 9, 19, 37,
- a) 76 b) 74
c) 75 d) 73
- 40) Two numbers are in the ratio 3: 5. If 9 is subtracted from each, the new numbers are in the ratio 12: 23. The smaller number is
- a) 27 b) 33
c) 49 d) 55

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- 41) A and B invest in a business in the ratio 3: 2. If 5% of the total profit goes to charity and A's share is Rs. 855, the total profit is
- a) Rs. 1425
 - b) Rs. 1500
 - c) Rs. 1537.50
 - d) Rs. 1576
- 42) An employee's annual salary was increased Rs. 15,000. If her new annual salary now equals Rs. 90,000, what was the per cent increase?
- a) 15%
 - b) 20%
 - c) 22%
 - d) 24%
- 43) The sum of the squares of three numbers is 138, while the sum of their products taken two at a time is 131. Their sum is.....
- a) 20
 - b) 30
 - c) 40
 - d) 50
- 44) 5 books and 18 notebooks cost Rs. 580 and 8 books and 24 notebooks cost Rs. 880. the cost of 10 books and 20 notebooks is
- a) Rs. 730
 - b) Rs. 1460
 - c) Rs.1000
 - d) Rs.1240
- 45) $0.098/? = 0.0125$
- a) 0.0784
 - b) 70.84
 - c) 7.084
 - d) 7.84

46) What will come in place of question mark in the following series?

66, 55, 45, 36. ?

- a) 28 b) 29
- c) 30 d) 21

47) Seats for Mathematics, Physics and Biology in a school are in the ratio 5:7: 8. There is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be the ratio of increased seats?

- a) 2:3:4 b) 6:7:8
- c) 6:8:9 d) none of these

48) In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got was

- a) 2700 b) 2900
- c) 3000 d) 3100

49) In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?

- a) 6.25 b) 6.5
- c) 6.75 d) 7

50) A number consists of two digits. If the digits interchange places and the new number is added to the original number, then the resulting number will be divisible by

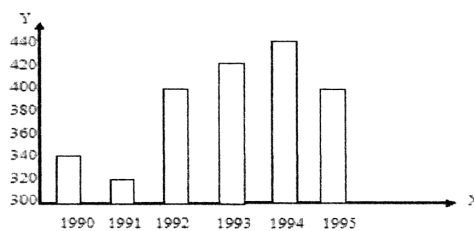
- a) 3 b) 5
- c) 9 d) 11

- 51) Smita drives 8 km South then 6 km West and 2 km South again. She then drives 3 km East to avoid a traffic jam before driving 6 km North.. How many kilometers is she from her starting point?
- a) 4 b) 5
c) 6 d) 7
- 52) $(34)^2 - (18)^2 = 8 \times ?$
- a) 104 b) 112
c) 121 d) 100
- 53) What will come in place of question mark in the following series?
4, 10, 23, 50, ?
- a) 95 d) 100
c) 105 d) 110
- 54) If 40% of a number is equal to two-third of another number, what is the ratio of first number to the second number?
- a) 2:5 b) 3:7
c) 5:3 d) 7:3
- 55) A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had
- a) 588 apples
b) 600 apples
c) 672 apples
d) 700 apples

65) The sum of two number is 25 and their difference is 13. What is their product?

- a) 104
- b) 114
- c) 315
- d) 325

Directions: (Qs. 66 to 70) Bar Graph shows the sales turnover of a particular commodity for the years 1990 to 1995. Study the bar graph carefully and answer the questions. (Note-X axis: Year, Y axis: Sales in thousand of rupees)



66) By what amount are the sales in 1993 more than those in 1991 ?

- a) Rs. one thousand
- b) Rs. ten hundred
- c) Rs. one lakh
- d) Rs. ten lakh

67) The sale in 1991 are how many times to those of 1992?

- a) 8 times
- b) 0.8 times
- c) 2.5 times
- d) 3 times

- 68) In which year did the sales show the least percent increase to that of the preceding year?
- a) 1990 b) 1992
- c) 1993 d) 1994
- 69) The sales in 1994 are what percent of those in 1992 ?
- a) 40 b) 2
- c) 4 d) 110
- 70) What is the appropriate average sales (in thousands) for the years 1992 to 1995 ?
- a) 420 b) 415
- c) 430 d) 425
- 71) Consider three statements
- (i) Class A has a higher enrollment than Class B.
- (ii) Class C has a lower enrollment than Class B.
- (iii) Class A has a lower enrollment than Class C.
- If the first two statements (I) & (II) are true, then the third statement (III) is
- a) true
- b) false
- c) uncertain
- d) Insufficient Data

72) Consider three statements

- (i) During the past year, Josh saw more movies than Stephen.
- (ii) Stephen saw fewer movies than Darren.
- (iii) Darren saw more movies than Josh.

If the first two statements (I) & (II) are true, then the third statement (III) is

- a) true
- b) false
- c) uncertain
- d) Insufficient Data

73) Consider three statements

- (i) Rover weighs less than Fido.
- (ii) Rover weighs more than Boomer.
- (iii) Of the three dogs, Boomer weighs the least.

If the first two statements (I) & (II) are true, then the third statement (III) is

- a) true
- b) false
- c) uncertain
- d) Insufficient Data

Direction: (Qs. 74 to 78): Read the following passage and answer the questions given at the end of the passage.

By the time a child is six or seven she has all the essential avoidances well enough by heart to be trusted with the care of a younger child. And she also develops a number of simple techniques. She learns to weave firm square balls from palm leaves, to make pinwheels of palm leaves or frangipani blossoms, to climb a coconut tree by walking up the trunk on flexible little feet, to break open a coconut with one firm well-directed blow of a knife

as long as she is tall, to play a number of group games and sing the songs which go with them, to tidy the house by picking up the litter on the stony floor, to bring water from the sea, to spread out the copra to dry and to help gather it in when rain threatens, to go to a neighboring house and bring back a lighted faggot for the chief's pipe or the cook-house fire. But in the case of the little girls all these tasks are merely supplementary to the main business of baby-tending. Very small boys also have some care of the younger children, but at eight or nine years of age they are usually relieved of it. Whatever rough edges have not been smoothed off by this responsibility for younger children are worn off by their contact with older boys. For little boys are admitted to interesting and important activities only so long as their behavior is circumspect and helpful. Where small girls are brusquely pushed aside, small boys will be patiently tolerated and they become adept at making themselves useful. The four or five little boys who all wish to assist at the important, business of helping a grown youth lasso reef eels, organize themselves into a highly efficient working team; one boy holds the bait, another holds an extra lasso, others poke eagerly about in holes in the reef looking for prey, while still another tucks the captured eels into his lava. The small girls burdened with heavy babies or the care of little staggerers who are too small to adventure on the reef, discouraged by the hostility of the small boys and the scorn of the older ones, have little opportunity for learning the more adventurous forms of work and play. So while the little boys first undergo the chastening effects of baby-tending and then have many opportunities to learn effective cooperation under the supervision of older boys, the girls' education is less comprehensive. They have a high standard of individual responsibility, but the community provides them with no lessons in cooperation with one another. This is particularly apparent in the activities of young people: the boys organize quickly, the girls waste hours in bickering, innocent of any technique for quick and efficient cooperation.

- 74) The primary purpose of the passage with reference to the society under discussion is to
- a) explain some differences in the upbringing of girls and boys
 - b) criticize the deficiencies in the education of girls
 - c) give a comprehensive account of a day in the life of an average young girl
 - d) delineate the role of young girls
- 75) The word 'brusquely' most nearly means
- a) quickly
 - b) gently
 - c) nonchalantly
 - d) abruptly
- 76) The list of techniques in paragraph one could best be described as
- a) household duties
 - b) rudimentary physical skills
 - c) important responsibilities
 - d) useful social skills
- 77) It can be inferred that the high standard of individual responsibility' is
- a) developed mainly through child-care duties
 - b) only present in girls
 - c) taught to the girl before she is entrusted with babies
 - d) actually counterproductive

78) The expression 'innocent of' is best taken to mean

- a) not guilty of
- b) unskilled in
- c) unsuited for
- d) uninvolved in

Direction: (Qs. 79 to 83): What should come in the place of question mark (?) in the following letter series based on the English alphabetical order?

79) BEH, DGJ, (?), EJO, GLQ, INS.

- a) FLR
- b) FIS
- c) FKO
- d) FIL

80) APZLT, CQYNR, ERXPP, GSWRN, (?)

- a) KVIJUI
- b) JUUVK
- c) ITVTL
- d) KUUVI

81) RAP, MAP, HOT, FUN, (?)

- a) HNE
- b) PGI
- c) STN
- d) CAT

82) J, F, M, A, M, (?)

- a) M
- b) J
- c) D
- d) S

83) EV, JQ, OL, (?)

- a) TH
- b) TG
- c) FT
- d) US

Direction: (Qs. 84 to 89): Consider the relation between the first two terms and select the correct alternative in place of question mark.

84) Light : Sun :: Heat : ?

- a) Electricity
- b) Moon
- c) Fire
- d) Star

85) Handsome : Beautiful :: Husband : ?

- a) Women
- b) Wife
- c) Girl
- d) She

86) Monday : April :: Friday : ?

- a) July
- b) Saturday
- c) August
- d) Tuesday

87) Parrot : Cage :: Man : ?

- a) Home
- b) Motor Car
- c) Prison
- d) Forest

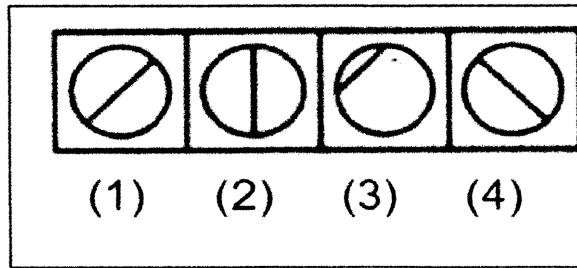
88) Butter : Milk :: Oil : ?

- a) Cow
- b) Seeds.
- c) Curd
- d) Grains

89) Soldier : Gun :: Blacksmith : ?

- a) Wood
- b) Sword
- c) Iron
- d) Hammer

90) Choose the figure which is different from the rest.



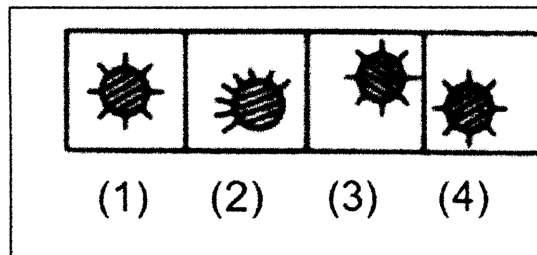
(1) 1

(2) 2

(3) 3

(4) 4

91) Choose the figure which is different from the rest.



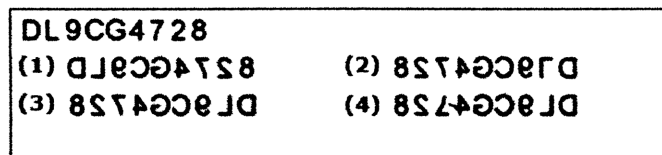
a) 1

b) 2

c) 3

d) 4

92) Choose the alternative which is closely resembles the mirror image of the given combination.



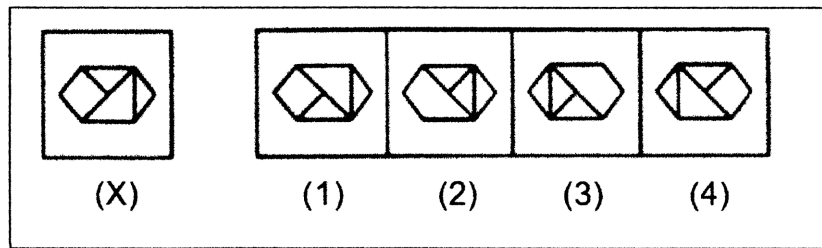
a) 1

b) 2

c) 3

d) 4

93) Choose the correct mirror image of the given figure (X) from amongst the four alternatives.



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

94) If '_' means 'x', 'x' means '+', '+' means '÷', '÷' means '-', then what will be the value of " $40 \times 12 + 3 - 6 \div 60 = ?$ "

- a) 44 b) 4
c) 16 d) 7.85

DIRECTIONS (Qs. 95 to 100) Two statements are followed by two possible conclusions. You are to point out which of the following answer choices applies to each of the following questions. Assume the statements to be correct even if they vary from the facts.

1. Only conclusion I follows.
2. Only conclusion II follows.
3. Both conclusions I & II follows,
4. Neither conclusion I nor II follows.

- 95) Some books are hooks. No book is screw. So
- I) some screws are not books.
- II) some hooks are not screws.
- a) 1 b) 2
- c) 3 d) 4
-
- 96) Every cloud is rain. No cloud is black. So
- I) No black thing is rain.
- II) No rain is black thing.
- a) 1 b) 2
- c) 3 d) 4
-
- 97) All fish are tortoise. No tortoise is a crocodile. So
- I) No crocodile is a fish.
- II) No fish is a crocodile.
- a) 1 b) 2
- c) 3 d) 4
-
- 98) Some desks are caps. No cap is red. So
- I) some caps are desks.
- II) some desks are not red.
- a) 1 b) 2
- c) 3 d) 4

99) All rats are boats. No boat is a cat. So

I) No rat is a cat.

II) All cats are rats.

a) 1

b) 2

c) 3

D) 4

100) Every ink is pink. Rose is Pink. So

I) Rose is ink.

II) Ink is rose.

a) 1

b) 2

c) 3

d) 4

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Rough Work

Rough Work

Rough Work