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P.G. Entrance Examination, June - 2022**M.B.A. (Executive Distance Mode)****Sub. Code : 71136****Day and Date : Monday, 13-06-2022****Total Marks : 100****Time : 03.30 p.m. to 05.00 p.m.**

- Instructions :**
- 1) All questions are compulsory.
 - 2) Each question carries one mark.
 - 3) Answers should be marked in the given OMR answer sheet by darkening the appropriate option.
 - 4) Follow the instructions given on OMR Sheet.
 - 5) Rough work shall be done on the sheet provided at the end of question paper.

- 1) A can type 10 pages in 5 minutes. B can type 5 pages in 10 minutes. Working together, how many pages can they type in 30 minutes?
A) 15
B) 25
C) 65
D) 75
- 2) A can contains a mixture of two liquids A and B in the ratio 7:5. When 9 liters of mixture are drawn off and the can is filled with B, the ratio of A and B becomes 7:9. How many liters of liquid A was contained by the can initially?
A) 21
B) 19
C) 18
D) 17
- 3) Two trains of equal lengths take 10 seconds and 15 seconds respectively to cross a telegraph post. If the length of each train be 120 meters, in what time will they cross each other travelling in opposite direction?
A) 9 seconds
B) 10 seconds
C) 11 seconds
D) 12 seconds
- 4) When you reverse the digits of age of father, you will get the age of son. One year ago the age of father was twice that of son's age. What are the current ages of father and son?
A) 73 and 37
B) 45 and 54
C) 31 and 13
D) 24 and 42

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ENT - 26

- 5) A man on tour travels first 160km at 64 km/hr and the next 160 km at 80 km/hr. The average speed for the first 320 km of the tour is _____.
A) 71.11 km/hr B) 36 km/hr
C) 71 km/hr D) 36.33 km/hr
- 6) How many gold coins are there in a jar of 88 coins, if there are $\frac{1}{3}$ as many silver coins as gold coins?
A) 22 B) 33
C) 44 D) 66
- 7) Find the odd one out
A) crusade B) expedition
C) cruise D) campaign
- 8) If the area of a circle is 75.44 square cm then what is the circumference of the circle?
A) 40.2 cm B) 28.9 cm
C) 29.2 cm D) 30.8 cm
- 9) Three years ago the average age of A and B was 18 years. If C joins them today, the average become 22 years. How old is C now?
A) 27 B) 24
C) 30 D) 28
- 10) 42 oranges are distributed among some boys and girls. If each boy gets 3, then each girl gets 6. But if each boy gets 6 and each girl gets 3, it needs 6 more. The number of girls is _____.
A) 10 B) 8
C) 6 D) 4

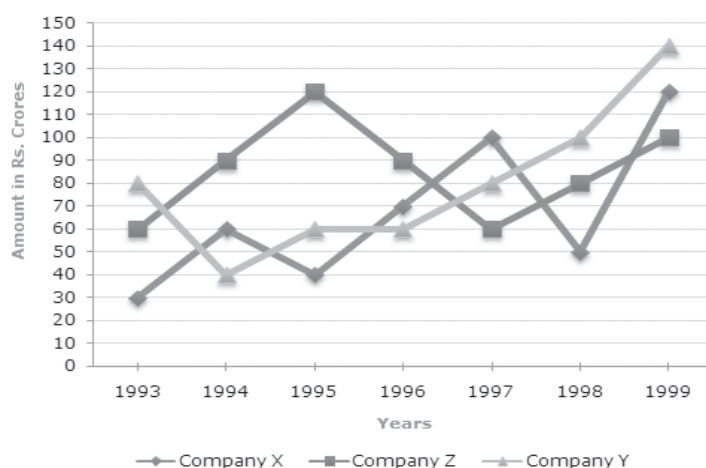
Directions:(Qs. 11 to 15): The following table shows number of candidates appeared and qualified in a competitive examination from different states over the years. Study the table and answer the questions based on it.

Year State	1997		1998		1999		2000		2001	
	App.	Qual.	App.	Qual.	App.	Qual	App.	Qual	App.	Qual
M	5200	720	8500	980	7400	850	6800	775	9500	1125
N	7500	840	9200	1050	8450	920	9200	980	8800	1020
P	6400	780	8800	1020	7800	890	8750	1010	9750	1250
Q	8100	950	9500	1240	8700	980	9700	1200	8950	995
R	7800	870	7600	940	9800	1350	7600	945	7990	885

ENT - 26

- 11) Combining the states P and Q together in 1998, what is the percentage of the candidates qualified to that of the candidates appeared?
 - A) 10.87%
 - B) 11.49%
 - C) 12.35%
 - D) 12.54%
- 12) The percentage of the total number of qualified candidates to the total number of appeared candidates among all the five states in 1999 is _____.
 - A) 11.49%
 - B) 11.84%
 - C) 12.21%
 - D) 12.57%
- 13) What is the percentage of candidates qualified from State N for all the years together, over the candidates appeared from State N during all the years together?
 - A) 12.36%
 - B) 12.16%
 - C) 11.42%
 - D) 11.47%
- 14) What is the average of candidates who appeared from State Q during the given years?
 - A) 8700
 - B) 8760
 - C) 8990
 - D) 8920
- 15) Total number of candidates qualified from all the states together in 1997 is approximately, what percentage of the total number of candidates qualified from all the states together in 1998?
 - A) 72%
 - B) 77%
 - C) 80%
 - D) 83%

Directions: (Qs.16 to 20): Study the following line graph and answer the questions.



- 16) For which of the following pairs of years the total exports from the three Companies together are equal?
 - A) 1995 and 1998
 - B) 1996 and 1998
 - C) 1997 and 1998
 - D) 1995 and 1996

ENT - 26

- 17) Average annual exports during the given period for Company Y is approximately what percent of the average annual exports for Company Z?

A) 87.12% B) 89.64%

C) 91.21% D) 93.33%
- 18) In which year was the difference between the exports from Companies X and Y the minimum?

A) 1994 B) 1995

C) 1996 D) 1997
- 19) What was the difference between the average exports of the three Companies in 1993 and the average exports in 1998?

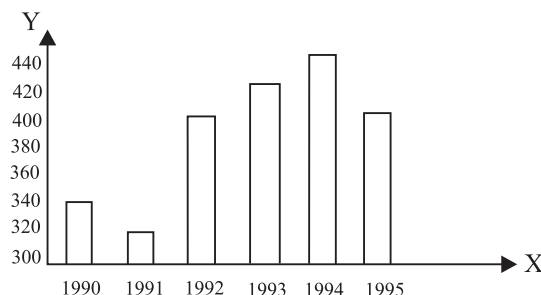
A) 15.33 B) 18.67

C) 20 D) 22.17
- 20) In how many of the given years, were the exports from Company Z more than the average annual exports over the given years?

A) 2 B) 3

C) 4 D) 5

Directions: (Qs. 21 to 25): 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)

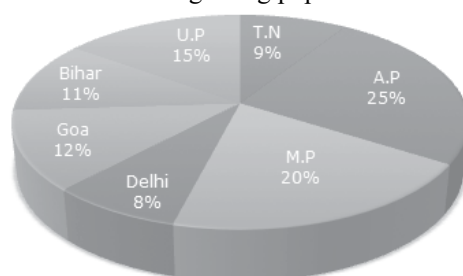


- 21) By what amount are the sales in 1993 more than those in 1991?
 - A) Rs. one thousand
 - B) Rs. ten hundreds
 - C) Rs. one lakh
 - D) Rs. ten lakhs
- 22) The sale in 1991 are how many times to those of 1992?
 - A) 8 times
 - B) 0.8 times
 - C) 2.5 times
 - D) 3 times
- 23) In which year did the sales show the least percent increase to that of the preceding year?
 - A) 1990
 - B) 1992
 - C) 1993
 - D) 1994

- 24) The sales in 1994 are what percent of those in 1992?
 A) 40 B) 2
 C) 4 D) 110
- 25) What is the appropriate average sales (in thousands) for the years 1992 to 1995?
 A) 420 B) 415
 C) 430 D) 425

Directions: (Qs. 26 to 30): Study the following graph and the table and answer the questions given below.

Data of different states regarding population of states in the



Total population of the given States =

Sex and Literacy wise Population Ratio				
States	Sex		Literacy	
	M	F	Literate	Illiterate
A.P.	5	3	2	7
M.P.	3	1	1	4
Delhi	2	3	2	1
Goa	3	5	3	2
Bihar	3	4	4	1
U.P.	3	2	7	2
T.N.	3	4	9	4

- 26) What will be the percentage of total number of males in U.P., M.P. and Goa together to the total population of all the given states?
 A) 25% B) 27.5%
 C) 28.5% D) 31.5%
- 27) What was the total number of illiterate people in A.P. and M.P. in 1998?
 A) 876040 B) 932170
 C) 981550 D) 1161160
- 28) What is the ratio of the number of females in T.N. to the number of females in Delhi?
 A) 7:5 B) 9:7
 C) 13:11 D) 15:14

- 29) What was the number of males in U.P. in the year 1998?
 A) 254650 B) 294840
 C) 321470 D) 341200
- 30) If in the year 1998, there was an increase of 10% in the population of U.P. and 12% in the population of M.P. compared to the previous year, then what was the ratio of populations of U.P. and M.P. in 1997?
 A) 42:55 B) 48:55
 C) 7:11 D) 4:5

Directions: (Qs. 31 to 37): 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.

- A) Only conclusion I follows.
 B) Only conclusion II follows.
 C) Both conclusions I & II follows.
 D) Neither conclusion I nor II follows.
- 31) Every ink is pink. Rose is Pink. So
 I) Rose is ink
 II) Ink is rose.
 A) B) C) D)
- 32) All bamboos are grasses. No grass is a shrub. So
 I) No bamboos are shrubs.
 II) Some shrubs are bamboos.
 A) B) C) D)
- 33) Every cloud is rain. No cloud is black. So
 I) No black thing is rain
 II) No rain is black thing.
 A) B) C) D)
- 34) All graduate are chairs. All chairs are tables. So
 I) All graduate are tables.
 II) All table are graduates.
 A) B) C) D)
- 35) Some desks are caps. No cap is red. So
 I) Some caps are desks.
 II) Some desks are not red.
 A) B) C) D)

- 36) All pigeons are parrots. All parrots are crows. So
 I) All crows are pigeons.
 II) All pigeons are crows
 A) B) C) D)
- 37) All fish are tortoise. No tortoise is a crocodile. So
 I) No crocodile is a fish.
 II) No fish is a crocodile.
 A) B) C) D)
- 38) Consider three statements (I) Tanya is older than Eric. (II) Cliff is older than Tanya. (III) Eric is older than Cliff. If the first two statements (I) & (II) are true, then the third statement (III) is_____.
 A) true B) false
 C) uncertain D) insufficient data
- 39) Consider three statements (I) Blueberries cost more than strawberries. (II) Blueberries cost less than raspberries. (III) Raspberries cost more than both strawberries and blueberries. If the first two statements (I) & (II) are true, then the third statement (III) is_____.
 A) true B) false
 C) uncertain D) insufficient data
- 40) Consider three statements (I) Mara runs faster than Gail. (II) Lily runs faster than Mara. (III) Gail runs faster than Lily. 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. 41 to 46): Consider the relation between the first two terms and select the correct alternative in place of question mark.

- 41) Light : Sun :: Heat :?
 A) Electricity B) Moon
 C) Fire D) Star
- 42) Handsome : Beautiful :: Husband : ?
 A) Women B) Wife
 C) Girl D) She
- 43) Monday : April :: Friday: ?
 A) July B) Saturday
 C) August D) Tuesday
- 44) Parrot : Cage :: Man:?
 A) Home B) Motor Car
 C) Prison D) Forest

- 45) Butter : Milk :: Oil :?
- A) Cow B) Seeds
C) Curd D) Grains
- 46) Soldier : Gun :: Blacksmith: ?
- A) Wood B) Sword
C) Iron D) Hammer
- 47) Which one set of letters when sequentially placed at the gaps in the following letter series shall complete it?
'b a _ b _ a a b _ a _ b'
- A) abba B) baab
C) babb D) abaa
- 48) IF '-' means '×', '×' means '+', '+' means ':', ':' means '-', then what will be the value of **"40 × 12 + 3 - 6 ÷ 60 = ?"**
- A) 44 B) 4
C) 16 D) 7.85
- 49) 12.5 % of 192 = 50% of _____.
- A) 48 B) 96
C) 24 D) 44
- 50) In a group of 52 persons, 30 like tea while 36 like coffee. No one dislike both. How many like both?
- A) 10 B) 12
C) 16 D) 14
- 51) Rs. 20400 was divided in two parts and then invested. One part invested at 6.25% for 8 years yields the same interest as the other part invested at 7% for 5 years. What is the value of smaller part?
- A) 9600 B) 8400
C) 10100 D) 6500
- 52) The population of a city is 50,000 at present. It increases at the rate of 10% per annum. What will be its population 3 years from now?
- A) 67,250 B) 65,550
C) 60,500 D) 66,550
- 53) 12 years ago, age of P was 3 times the age of Q. After 12 years, ratio of ages of Q to P will be 2:3. What is the present age of P?
- A) 54 years B) 36 years
C) 24 years D) 144 years

ENT - 26

- 54) Average age of a family of 4 members was 19 years, 4 years back. Birth of a new child kept the average age of the family same even today. How old is the child today?
A) 4 years
B) 1 year
C) 2 years
D) 3 years
- 55) What will be difference in population 3 years ago and 2 years ago of Devon village, whose current population is 1,00,000 and which is increasing at a rate of 25% every year?
A) 15,250
B) 13,900
C) 16,400
D) 12,800
- 56) Find the simple interest on Rs. 5000 at 6% per annum for the period from 5th Feb. to 19th April, 2015
A) Rs.40
B) Rs.50
C) Rs.60
D) Rs.70
- 57) Suresh borrows Rs. 10,000 for 2 years at 4% p.a. simple interest. He lends it to Ramesh at 6% p.a. for 2 years. Find his gain in this transaction per year.
A) Rs. 150
B) Rs. 200
C) Rs. 400
D) Rs. 450
- 58) At what rate percent per annum will sum of money double in 20 years?
A) 1.2%
B) 2%
C) 4%
D) 5%
- 59) A goat is tied to one corner of a square plot of side 12m by a rope 7m long. Find the area it can graze?
A) 155 sq.m
B) 19.25sq.m
C) 144 sq.m
D) 38.5sq.m
- 60) A father is 30 years older than his son. He will be three times as old as his son after 5 years. What is the father's present age?
A) 35
B) 45
C) 40
D) 30
- 61) The hour hand of a clock is between IV and V and minute hand is at IX. What time is it?
A) 40 minutes past four
B) Quarter to four
C) Quarter to six
D) Quarter to five

- 62) Which is the smallest rational number among $\frac{9}{10}, \frac{11}{12}, \frac{5}{6}, \frac{7}{8}$?
- A) $\frac{11}{12}$ B) $\frac{7}{8}$
 C) $\frac{5}{6}$ D) $\frac{9}{10}$
- 63) If the sum of two numbers is 216 and H.C.F. is 27, then the numbers are ____.
- A) 108, 108 B) 154, 162
 C) 81, 198 D) 27, 189
- 64) What is the ratio of 30 seconds to 4 minutes?
- A) 1 : 4 B) 1 : 8
 C) 1 : 6 D) 1 : 2
- 65) The length and breadth of a room are 5 m and 3m respectively. If tiles of dimensions $25\text{cm} \times 25\text{cm}$ are to be fitted on the floor of the room, how many tiles will be required?
- A) 120 B) 240
 C) 480 D) 180
- 66) If $2x^2 = \sqrt{1024}$, then $x = ?$
- A) 16 B) 32
 C) 8 D) 4
- 67) If a number is divisible by 3 as well as 7, then the number is definitely divisible by ____.
- A) 9 B) 21
 C) 6 D) 14

Direction: (Qs. 68 to 72): The number in each series below follow a certain rule. One number in each series is missing. A missing number is indicated by (?), choose the alternative that will continue the same pattern.

- 68) 0, 2, 6, (?), 20, 30, 42
- A) 8 B) 10
 C) 12 D) 14
- 69) 11, 13, 17, 19, 23, 25, (?)
- A) 25 B) 27
 C) 29 D) 31

70) 212, 179, 146, 113, (?)

A) 91

B) 79

C) 50

D) 80

71) 1, 9, 17, 33, 49, 73, (?)

A) 97

B) 98

C) 99

D) 100

72) 2, 6, 11, 17, (?), 32

A) 22

B) 23

C) 24

D) 28

Direction : (Qs. 73 to 76): In each of the following questions three of the terms belong to a group, one of them does not. Find the odd term.

73) A) Lake

B) Stream

C) River

D) Canal

74) A) Wolf

B) Elephant

C) Tiger

D) Lion

75) A) Parrot

B) Sparrow

C) Cock

D) Crow

76) A) Bake

B) Fry

C) Boil

D) Stir

77) In a row of students, Rakesh is 12th from the left and Kashi is 17th from the right. When Rakesh and Kashi interchange their positions. Kashi becomes 27th from the right. How many students are there between Kashi and Rakesh?

A) 9

B) 12

C) 7

D) 10

78) If Kamal says, "Ravi's mother is the only daughter of my mother", how is Kamal related to Ravi?

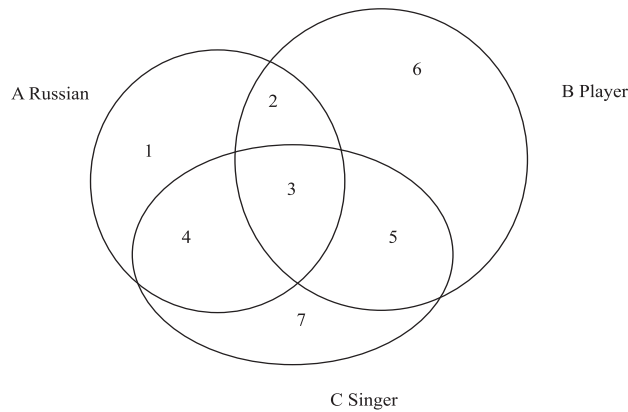
A) grandfather

B) brother

C) sister

D) none of these

Direction : (Qs. 79 to 81): In the figure given below there are three intersecting circles each representing certain section of people. Different regions are marked 1 to 7. Answer the questions which number correctly represent the region?



- 79) Players who are neither Russians nor singers _____.
- | | |
|------|------|
| A) 2 | B) 3 |
| C) 6 | D) 7 |
- 80) Russians who are singers but not players _____.
- | | |
|------|------|
| A) 4 | B) 3 |
| C) 2 | D) 1 |
- 81) Russians who are players as well as singers _____.
- | | |
|------|------|
| A) 1 | B) 2 |
| C) 3 | D) 4 |

Direction : (Qs. 82 to 85): In a certain code language digits are used instead of words. CHAPTER is shown as 7134859 and SOPE as 2645. From this information solve the examples.

- 82) Write the word POST in digit signs:
- | | |
|---------|---------|
| A) 4628 | B) 8914 |
| C) 4659 | D) 6482 |
- 83) From 168 which word will be formed?
- | | |
|--------|--------|
| A) POT | B) HOT |
| C) NOT | D) LOT |
- 84) Write the EAST in the digit signs.
- | | |
|---------|---------|
| A) 5328 | B) 5716 |
| C) 5382 | D) 5638 |
- 85) From 76328 which word will be formed?
- | | |
|----------|----------|
| A) COAST | B) CRUST |
| C) CASTE | D) PASTE |

Direction: (Qs. 86 to 90): 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 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.

- 86) 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

- 87) The word 'brusquely' most nearly means
 A) quickly B) gently
 C) nonchalantly D) abruptly
- 88) 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
- 89) 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
- 90) The expression 'innocent of' is best taken to mean
 A) not guilty of B) unskilled in
 C) unsuited for D) uninvolved in

Direction: Questions 91 to 95. Choose the correct alternative which can substitute the given phrase or sentence.

- 91) One who eats everything
 A) Omnivorous B) Omniscient
 C) Irrestible D) Insolvent
- 92) Tendency to move away from the centre of axis
 A) Awry B) Centripetal
 C) Axiomatic D) Centrifugal
- 93) A remedy for all diseases
 A) Stoic B) Marvel
 C) Panacea D) Recompose
- 94) That which cannot be read
 A) Illegible B) Negligible
 C) Ineligible D) Illegal
- 95) A person not sure of the existence of god
 A) Cynic B) Theist
 C) Atheist D) Agnostic

Direction: Questions 96 to 100. In each of the following choose the word opposite in meaning to the given word.

96) JUVENILE

A) Satirical

B) Adult

C) Court

D) None of these

97) STRIPED

A) Field

B) Packet

C) Plain

D) None of these

98) VERSE

A) Course

B) Douse

C) Prose

D) None of these

99) TIDY

A) Unkempt

B) Engulf

C) Popular

D) None of these

100) CONSCIOUS

A) Irrational

B) Insensible

C) Unmoved

D) None of these



Rough Work