Seat	
No.	

ENT - 46 Total No. of Pages : 19

Shivaji University, Kolhapur P.G. Entrance Examination M.B.A. (Distance/Executive Mode) Sub. Code: 71136

Day and Date : Wednesday, 27-09-2023 Time : 03.00 p.m. to 04.30 p.m.

Total Marks : 100

Instructions:

- 1) All questions are compulsory.
- 2) Each question carries 1 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 person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?

A. 3.6	B. 7.2

- C. 8.4 D. 10
- 2) A squirrel can climb 5 metres of a pole in one minute but slips 2 metres in the next minute. How much time will the squirrel take to climb 26 metres?
 - A. 14 minutesB. 12 minutesC. 15 minutesD. 18 minutes
- 3) The ratio between the speeds of two trains is 7: 8. If the second train runs 400 km in 4 hours, then the speed of the first train is:

A. 70 km/hr	B. 75 km/hr
C. 84 km/hr	D. 87.5 km/hr

4) A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?

A. Rs. 375	B. Rs. 400
C. Rs. 600	D. Rs. 800

5) A machine P can print one lakh books in 8 hours, machine Q can print the same number of books in 10 hours while machine R can print them in 12 hours. All the machines are started at 9 A.M. while machine P is closed at 11 A.M. and the remaining two machines complete work. Approximately at what time will the work (to print one lakh books) be finished?

A. 11:30 A.M.	B. 12 noon
C. 12:30 P.M.	D. 1:00 PM.

6) 4 men and 6 women can complete a work in 8 days, while 3 men and 7 women can complete it in 10 days. In how many days will 10 women complete it?

A. 35	B. 40
C. 45	D. 50

7) A train 125 m long passes a man, running at 5 km/hr in the same direction in which the train is going, in 10 seconds. The speed of the train is:

A. 45 km/hr	B. 50 km/hr
C. 54 km/hr	D. 55 km/hr

8) A train passes a station platform in 36 seconds and a man standing on the platform in 20 seconds. If the speed of the train is 54 km/hr, what is the length of the platform?

A. 120 m	B. 240 m
C. 300 m	D. None of these

9) Two trains of equal length are running on parallel lines in the same direction at 46 km/hr and 36 km/hr. The faster train passes the slower train in 36 seconds. The length of each train is:

A. 50 m	B. 72 m
C. 80 m	D. 82 m

10)	The product of two numbers is 4107, If the H.C.F. of these numbers is 37. then the greater number is:	
	A. 101	B. 107
	C. 111	D. 185
11)	Three number are in the ratio of 3	:4: 5 and their L.C.M. is 2400. Their H.C.F. is:
	A. 40	B. 80
	C. 120	D. 200
12)	Find the lowest common multiple	e of 24, 36 and 40.
	A, 120	B. 240
	C. 360	D. 480
13)	At what rate of simple interest will	ll invested amount get double?
	A. 11%	B. 11.5%
	C. 12%	D. 12.5%
14)	4) A machine is purchased for Rs.6,25,000. Its value depreciates at the rate of 8% per annum. What will be its value after 2 years?	
	A. Rs. 6,00,000	B. Rs. 5,50,000
	C. Rs. 5,29,000	D. Rs. 5,99,000
15)	5) Dinesh took a loan for 5 years @ 16% per annum simple interest. If total interest paid during the period was Rs. 9600. What was the principal amount?	
	A. Rs. 6000	B. Rs. 12000
	C. Rs. 19200	D. Rs. 26000
16)	A cloth merchant sold half of his 20% loss and the rest was sold at	s cloth at 20% profit, half of the remaining at the cost price. Calculate the overall profit.
	A. 2%	B. 3%
	C. 4%	D. 5%
17)	Samrat purchased 20 dozens of t each one of them at the rate of R	toys at the rate of Rs. 375 per dozen. He sold s. 33. What was his percentage profit?
	A. 3.5	B. 4.5

D. 6.5

Pg.3

C. 5.6

18)	A trader mixes 26 kg of rice at Rs. 20 per kg with 30 kg of rice of other variety at Rs. 36 per kg and sells the mixture at Rs. 30 per kg. His profit percent is:	
	A. No profit, no loss	B. 5%
	C. 8%	D. 10%
19)	X was born on March 6, 1993 the on Friday. Find out the Birthday	e same year Independence Day was celebrated of X?
	A. Thursday	B. Saturday
	C. Friday	D. Wednesday
20)	Which of the following is not a le	ap year?
	A. 700	B. 800
	C. 1200	D. 2000
21)) The calendar for the year 2007 will be the same for the year?	
	A. 2014	B. 2016
	C. 2018	D. 2017
22)) If SYMBOL is written as NZTMPC is it a certain code? How is NUMBER written in that code?	
	A. NVOSFC	B. NOVSCF
	C. NVOSCF	D. NOVSFC
23)	In a certain code HOTEL has been coded as 300. What will be the code for BORE?	
	A. 150	B. 160
	C. 170	D. 180
24)	In a certain code, NEWYORK is that code?	written as 111, how is NEWJERSEY written in
	A. 121	B. 122
	C. 123	D. 124

25) The sum of the ages of a daughter and mother is 56 years; after four years the age of the mother will be three times that of the daughter. What is the age of the daughter and the mother, respectively?

A. 12 years, 41 years	B. 12 years, 30 years
D. 12 years. 44 years	C. 11 years, 34 years

26) The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?

A. 4 years	B. 8 years
C. 10 years	D. None of these

27) A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was:

A. 14 years	B. 19 years
C. 33 years	D. 38 years

28) In a class, there are 15 boys and 10 girls. Three students are selected at random. The probability that 1 girl and 2 boys are selected, is:

A. 21/46	B. 25/117
C. 1/50	D. 3/25

29) In a lottery, there are 10 prizes and 25 blanks. A lottery is drawn at random. What is the probability of getting a prize?

A. 1/10	B . 2/10
C. 2/7	D. 5/7

30) Two friends A and B apply for a job in the same company. The chances of A getting selected is 2/5 and that of B is 4/7. What is the probability that both of them get selected?

A. 8/35	B. 34/35	
C. 27/35	D. None of these	

31) A large cube is formed from the material obtained by melting three smaller cubes of 3, 4 and 5 cm side. What is the ratio of the total surface areas of the smaller cubes and the large cube?

A. 2:1	B. 3:2	
C. 25: 18	D. 27: 20	

32) How many bricks, each measuring 25 cm x 11.25 cm x 6 cm, will be needed to build a wall of 8 m x 6m x 22.5 cm?

A. 5600	B. 6000
C. 6400	D. 7200

33) A rectangular field is to be fenced on three sides leaving one side of 20 feet uncovered. If the area of the field is 680 sq. feet. how many feet of fencing will be required?

A. 34	B. 40
C. 68	D. 88

34) How many numbers greater than 1000000 can be formed using the digits 1, 2, 0, 2, 4, 2, 4?

A. 60	B. 120
C. 180	D. 360

35) How many 4-letter words with or without meaning, can be formed out of the letters of the word, 'LOGARITHMS, if repetition of letters is not allowed?

A. 40	B. 400
A. 40	B. 400

- C. 5040 D. 2520
- 36) In how many different ways can the letters of the word 'LEADING' be arranged in such a way that the vowels always come together?
 - A. 360B. 480C. 720D. 5040
- 37) Find out the alternative figure which contains figure (X) as its part.



- A. 1 B. 2
- C. 3 D. 4

38) Find out the missing character from among the alternatives.



Directions for question No. 39 to 43: Read the following passage carefully and answer the questions given beside.

The greatest thing this age can be proud of is the birth of man in the conciousness of men. In his drunken orgies of power and national pride man may flout and jear at it. when organised national selfishness, racial antipathy and commercial self seeking begin to display their ugly deformities in all their nakedness, then comes the time for man to know that his salvation is not in political organisations and extended trade relations, not in any mechanical re-arrangement of social system but in a deeper transformation of life, in the liberation of consciousness in love, in the realisation of God in man.

- 39) In this passage, the phrase "God in man" implies
 - A. God having assumed the shape of man
 - B. neither fully godly nor fully human
 - C. man being transformed into God
 - D. the divine qualities in man
- 40) The author uses the expression 'ugly deformities' to show his indignation at
 - A political organisations
 - B. the liberation of human consciousness
 - C. selfishness and materialism of the people
 - D. the drunken orgies of power

- 41) According to the author, "salvation" of human beings lies in the
 - A. extended trade relations
 - B. spiritual transformation of life
 - C. orgy of national pride
 - D. wholehearted participated in political organisations
- 42) In the phrase "the birth of Man in the consciousness of men". Man stands for
 - A. power and arrogance
 - B. egocentricity
 - C. noble human qualities
 - D. an idealistic notion of the human self
- 43) People jeer at the birth of Man' in the human consciousness when they
 - A. begin to think of themselves as God
 - B. become power hungry
 - C. restructure the social system
 - D. become mentally deranged.
- 44) Make the total of 7777 +77 +7 +777 =

A. 8638	B. 6838
C. 8683	D. 3638

45) Multiply 333 x 3333 =

A. 11108789	B. 9992799
C. 9797299	D. None of these
46) 1.6 × 5.17 =	
A. 13.702	B. 16.64
C. 13.774	D. None of them
47) 4.8925 / 7246 =	
A. 3.4709	B. 4.0782
C. 5.6724	D. None of them

48)	If $x + 6 = 9$, then $3x + 1 = ?$		
	A. 3	B. 9	
	C. 10	D. 34	
49)	4326 x 25+ 25		
	A. 216300	B. 108150	
	C. 108175	D. 2163	
50)	0.098 / ? = 0.0125		
	A. 0.0784	B. 70.84	
	C. 7.084	D. 7.84	
51)	$(34)^2 - (18)^2 = 8 x ?$		
	A. 104	B. 112	
	C. 121	D. 108	
52)	9548 + 7314 = 8362 + ?		
	A. 8230	B. 8500	
	C. 8410	D. 8600	
53)	Look at this series: 14, 28, 20, 40,	, 32, 64,What number should come next?	
	A. 52	B. 56	
	C. 96	D. 128	
54)	Look at this series: 544, 509, 474	, 439, What number should come next?	
	A. 404	B. 414	
	C. 420	D. 445	
55)	55) Look at this series: 2, 6, 18, 54, What number should come next?		
	A. 108	B. 148	
	C. 162	D. 216	
56)	56) Look at this series: 8, 6, 9, 23, 87 What number should come next?		
	A. 128	B. 226	
	C. 324	D. 429	

57) Look at this series: 80, 10, 70, 15, 60... What number should come next?

A. 20	B. 25
C. 30	D.50

58) The salaries A, B, C are in the ratio 2 : 3 : 5. If the increments of 15%, 10% and 20% are allowed respectively in their salaries, then what will be new ratio of their salaries?

A. 3 : 3 : 10	B . 10 : 11 : 20
C. 23 : 33 : 60	D. Cannot be determined

59) Present ages of Sameer and Anand are in the ratio of 5: 4 respectively. Three years hence, the ratio of their ages will become 11: 9 respectively. What is Anand's present age in years?

C 40	D Cannot be determined
C. T U	D. Cannot be determined

60) The ratio of the total amount distributed in all the males and females as salary is6: 5.

The ratio of the salary of each male and female is 2: 3. Find the ratio of the no. of males and females.

A. 5 : 9	B. 5 : 7
C. 7 : 5	D. 9 : 5

- 61) The ratio of the number of boys and girls in a college is 7 : 8. If the percentage increase in the number of boys and girls be 20% and 10% respectively, what will be the new ratio?
 - A. 8 : 9 B. 17: 18
 - C. 21 : 22 D. Cannot be determined
- 62) In a bag, there are coins of 25p, 10p and 5p in the ratio of 1: 2: 3. If there is Rs. 30 in all, how many 5p coins are there?
 - A. 50 B. 100
 - C. 150 D. 200

63) Mihir spends 38% of his monthly income on food, 25% on children's education and 12% on transport and the remaining amount of Rs 5,800 he saves. What is Mihir monthly income?

A. Rs. 23,200	B. Rs. 24,200
C. Rs. 23,800	D. Rs. 24,400

64) Two tailors X and Y are paid a total of Rs. 550 per week by their employer. If X is paid 120 percent of the sum paid to Y. how much is Y paid per week?

A. Rs. 200	B. Rs. 250
C. Rs. 300	D. None of these

65) Gauri went to the stationers and bought things worth Rs. 25, out of which 30 paise went on sales tax on taxable purchases. If the tax rate was 6%, then what was the cost of the tax free items?

A. Rs. 15	B. Rs. 15.70
C. Rs. 19.70	D. Rs. 20

66) What percentage of numbers from 1 to 70 have 1 or 9 in the unit's digit?

A. 1	B . 14
C. 20	D. 21

67) The population of a town increased from 1,75,000 to 2,62,500 in a decade. The average percent increase of population per year is:

A. 4.37%	B. 8.5%
C. 6%	D. 8.75%

68) The average monthly expenditure of a family for the first four months is Rs. 2,750, for the next three months is Rs. 2,940 and for the last five months Rs. 3,130. If the family saves Rs. 5.330 during the whole year, find the average monthly income of the family during the year.

A. Rs. 3,800	B. Rs. 3,500
C. Rs. 3,400	D. Rs. 4,200

69) The average of 50 numbers is 38. If two numbers 45 and 55 are discarded, the average of the remaining set of numbers is

A. 38.5	B. 37.5
C. 37.0	D. 36.5

70) The average of 6 observations is 12. A new observation is included and the new average is decreased by 1. The seventh observation is?

A. 1	B. 3	
C.5	D. 6	

71) The average weight of 36 men is 50 kg. It was found later that the figure of 37 kg was misread as 73 kg. What is the correct average?

A. 49 kg	B. 51 kg	
C. 50.5 kg	D. None of these	

72) The average earning of a person for the first four days of a week is Rs 18 and for the last four days is Rs 22. If he earns Rs 20 on the fourth day, his average caring for the whole week is?

A. Rs 18.95	B. Rs 16
C. Rs 20	D. Rs 25.71

73) The 30 members of a club decided to play a badminton singles tournament.Every time a member loses a game he is out of the tournament. There are no ties.What is the minimum number of matches that must be played to determine the winner?

A. 15	B. 29	
C. 61	D. None of these	

74) 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. Cannot be determined

75) Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy?

A. Brother	B. Uncle
C. Cousin	D. Father
76) Malaria: Mosquito :: ? : ?	
A. Poison : Death	B. Cholera : Water
C. Rat : Plague	D. Medicine : Disease
77) Curd : Milk : : Shoe : ?	
A. Leather	B. Clath
C. Jute	D. Silver

78) A student got twice as many sums wrong as he got right. If he attempted 48 sums in all, how many did he solve correctly?

A. 12	B. 16
C. 18	D. 24

79) The sum of two number is 25 and their difference is 13. Find their product.

- A. 104 B. 114
- C. 315 D. 325
- 80) Arrange the words given below in a meaningful sequence..

1. Word	2. Paragraph	3. Sentence	4. Letters	5. Phrase
A. 4, 1, 5,	2, 3	B. 4, 1,	3, 5, 2	
C. 4, 2, 5,	1, 3	D. 4, 1,	5, 3, 2	

81) Arrange the words given below in a meaningful sequence.

1. Police	2. Punishment	3. Crime	4. Judge	5. Judgement
A. 3, 1, 2,	4, 5	B. 1, 2,	4, 3, 5	
C. 5, 4, 3,	2, 1	D. 3, 1,	4, 5, 2	

82) A woman says, "If you reverse my own age, the figures represent my husband's age. He is, of course, senior to me and the difference between our ages is one-eleventh of their sum." The woman's age is

	A. 23 years	B. 34 years
	C. 45 years	D. 54 years
83)	Find the odd man out.	
	3, 5, 11, 14, 17, 21	
	A. 21	B. 17
	C. 14	D. 3
84)	Find the odd man out.	
	396, 462, 572, 427, 671, 264	
	A. 396	B. 427
	C. 671	D. 264

Direction for Question No. 85 to Question No. 89: The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and the answer the questions based on it.



85) 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

86) What is the central angle of the sector corresponding to the expenditure incurred on Royalty?

A. 15°	B. 24°
C. 54°	D. 48°

87) 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

88) 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

89) Royalty on the book is less than the printing cost by:

A. :	5%	В.	33%
C. 2	20%	D.	25%

Direction for Question No. 90 to Question No. 92: Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.

- 90) Statements
 - 1. The farmers have decided against selling their Kharif crops to the Goverment agencies.
 - II. The Government has reduced the procurement price of Kharif crops starting from the last month to the next six months.
 - A. Statement I is the cause and statement II is its effect.
 - B. Statement II is the cause and statement I is its effect.
 - C. Both the statements I and II are independent causes.
 - D. Both the statements I and II are effects of independent causes.

91) Statements

- I. Many people visited the religious place during the week-end.
- II. Few people visited the religious place during the week days
- A. Statement I is the cause and statement II is its effect.
- B. Statement II is the cause and statement I is its effect.
- C. Both the statements I and II are independent causes,
- D. Both the statements I and II are effects of some common cause.

92) Statements

- I. All the schools in the area had to be kept closed for most part of the week.
- II. Many parents have withdrawn their children from the local schools.
- A. Statement I is the cause and statement II is its effect.
- B. Statement II is the cause and statement I is its effect.
- C. Both the statements I and II are independent causes.
- D. Both the statements I and II are effects of independent causes

Direction for Question No. 93 to Question No. 94: In each of the following questions two statements are given and these statements are followed by two conclusions numbered (1) and (2). Read the conclusions and then decide which of the given conclusions logically follows from the two given statements.

93) Statements:

All the research scholars are psychologists. Some psychologists are scientists.

Conclusions:

- 1. Some scientists are psychologists.
- 2. Some psychologists are research scholars.
- A. Only (1) conclusion follows
- B. Only (2) conclusion follows
- C. Neither (1) nor (2) follows
- D. Both (1) and (2) follow

94) Statements:

All the taxis are cars. Some cars are jeeps. Conclusions:

- 1. Some jeeps are cars.
- 2. Some cars are taxis.
- A. Only (1) conclusion follows B. Only (2) conclusion follows
- C. Neither (1) nor (2) follows D. Both (1) and (2) follow
- 95) The use of desktop computer equipment and software to create high quality documents such as newsletters, business cards, letterhead, and brochures is called Desktop Publishing. or DTP. The most important part of any DTP project is planning. Before you begin, you should know your intended audience, the message you want to communicate, and what form your message will take.

The paragraph best supports the statement that

- A. Desktop Publishing is one way to become acquainted with a new business audience.
- B. computer software is continually being retined to produce high quality printing.
- C. the first stage of any proposed DTP project should be organization and design.
- D. the planning stage of any DTP project should include talking with the intended audience.
- 96) Keeping busy at important tasks is much more motivating than having too little to do. Today's employees are not afraid of responsibility. Most people are willing to take on extra responsibility in order to have more variety in their positions. In addition, along with that responsibility should come more authority to independently carry out some important tasks. The main idea of the paragraph is that
 - A. variety and independence on the job increase employee motivation.
 - B. to avoid boredom, many people do more work than their jobs require of them.
 - C. today's employees are demanding more independence than ever before.
 - D. office jobs in the past have carried less responsibility.

- 97) Use of electronic mail (e-mail) has been widespread for more than a decade. Email simplifies the flow of ideas, connects people from distant offices, eliminates the need for meetings, and often boosts productivity. However, e-mail should be carefully managed to avoid unclear and inappropriate communication. E-mail messages should be concise and limited to one topic. When complex issues need to be addressed, phone calls are still best. The main idea of the paragraph is that e-mail
 - A. is not always the easiest way to connect people from distant offices.
 - B. has changed considerably since it first began a decade ago.
 - C. causes people to be unproductive when it is used incorrectly.
 - D. is effective for certain kinds of messages out only if managed wisely.
- 98) In criminal cases, the availability of readable fingerprints is often critical in establishing evidence of a major crime. It is necessary, therefore, to follow proper procedures when taking fingerprints. In major cases, prints should be obtained from all persons who may have touched areas associated with a crime scene, for elimination purposes.

The main idea of the paragraph is that

- A. because fingerprints are so important in many cases, it is important to follow the correct course in taking them.
- B. all fingerprints found at a crime scene should be taken and thoroughly investigated.
- C. if the incorrect procedure is followed in gathering fingerprints, the ones taken may be useless.
- D. the first step in investigating fingerprints is to eliminate those of non-suspects.
- 99) Dogs and cats should never be permitted to eat chocolate, because chocolate works like a poison in their bodies. Chocolate contains a chemical called theobromine, which is similar to caffeine. Human bodies are able to process the theobromine without any ill side effects, but dogs and cats cannot.

According to the passage, why is chocolate poisonous for dogs and cats?

- A. It contains caffeine.
- B. Chocolate is made from processed cocoa
- C. It gets stuck in their intestines.
- D. They cannot process theobromine.

100) Daylilies are a beautiful perennial flower that can brighten up any yard or landscape. They are tolerant of drought and flooding, immune to heat stress, and grow well in full sun or light shade. They are the perfect choice for just about any soil or climate condition. Individual flowers last only one day, but each plant produces many buds, and many varieties have more than one flowering period.

You could infer from this passage that these flowers are called daylilies because

- A. they only bloom in the daytime.
- B. the blooms last for one day.
- C. they look like real lilies, but aren't.
- D. Charles Day developed the hybrid.

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