Total No. of Printed Pages : 21

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU ARE ASKED TO DO SO)

A

SET-X

PG-EE-June, 2023

SUBJECT : MBA/MTTM/MHMCT

11085

Sr. No. ....

Time : **1¼ Hours** Max. Marks : **100** Total Questions : **100**

Roll No. (in figures)________________ (in words) ________________________

Name ________________________ Date of Birth________________________

Father's Name ________________________ Mother's Name ________________________

Date of Examination ________________________

________________________ ________________________

(Signature of the Candidate) (Signature of the Invigilator)

CANDIDATES MUST READ THE FOLLOWING INFORMATION/INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

1. ***All questions are compulsory.***
2. The candidates ***must return*** the question booklet as well as OMR Answer-Sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfair-means / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
3. Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
4. Question Booklet along with answer key of all the A, B, C & D code shall be got uploaded on the University Website immediately after the conduct of Entrance Examination. Candidates may raise valid objection/complaint if any, with regard to discrepancy in the question booklet/answer key within 24 hours of uploading the same on the University Website. The complaint be sent by the students to the Controller of Examinations by hand or through email. Thereafter, no complaint in any case, will be considered.
5. The candidate ***must not*** do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question booklet itself. Answers ***must not*** be ticked in the question booklet.
6. ***There will be no negative marking. Each correct answer will be awarded one full mark. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.***
7. Use only **Black** or **Blue Ball Point Pen** of good quality in the OMR Answer-Sheet.
8. *Before answering the questions, the candidates should ensure that they have been supplied correct and complete booklet. Complaints, if any, regarding misprinting etc. will not be entertained* **30** *minutes after starting of the examination.*

1. I hurt my knee quite badly so ....

(1) I had to go to hospital

(2) I did not have the right running shoes

(3) I did not have the bandage

(4) It was bleeding profusely

2. I did not work hard at school. Consequently ....

(1) I did well at university

(2) I failed most of my exams

(3) I did not work hard in college

(4) I was good at mathematics

3. I am scared .... making a fool of myself when I give the presentation.

(1) for (2) to

(3) of (4) by

4. There are many things .... with our society today.

(1) bad (2) wrong

(3) disturbing (4) inappropriate

5. The word neatest in meaning to ESOTERIC is ....

(1) mysterious (2) hidden

(3) profound (4) common

6. Antonym of DEBAUCHERY is ....

(1) virtue (2) sensuality

(3) binge (4) lewd

7. I did not work hard at school. Consequently.................. .

(1) I did well at university

(2) I failed most of my exams

(3) I did not work hard in college

(4) I was good at mathematics

8. Synonym of CONFOUND is ....

(1) confuse
(2) enlighten
(3) explain
(4) muddy

9. The nearest meaning of the phrase *'to get one's back up'* is ....

(1) to rouse one's anger

(2) back pain

(3) to rise and sit upright

(4) to motivate

10. In spite of the fact that learning to speak a foreign language requires a lot of time and effort, ...

(1) many people give up after a short time

(2) many people manage it successfully

(3) people take training

(4) many people learn it later

11. Word nearest in meaning to PARODY is ....

(1) imitation
(2) flattery
(3) praise
(4) ridicule

12. .... I agree that he is attractive, I think he is not beautiful.

(1) while
(2) even though
(3) because
(4) assuming that

13. The nearest meaning of the phrase *'to rain cats and dogs'* is ....

(1) to rain non-stop
(2) heavy rain
(3) fight among cats and dogs
(4) drizzling

14. The ***correct*** option for use of 'the' is ....

(1) the Mount Everest
(2) the Himalayas
(3) the oxford road
(4) the central park

15. One way to improve your health is to eat more fruit and vegetables. Alternatively ....

(1) you could increase risk of your heart disease
(2) you could exercise more
(3) you could fall ill
(4) you could go on diet

16. Synonym of TANGIBLE is ....

(1) concrete
(2) actual
(3) sensible
(4) abstract

17. He .... me deny the truth.

(1) dared
(2) asked
(3) challenged
(4) told

18. Technology that is obsolete is ....

(1) very new

(2) no longer useful

(3) modern

(4) expensive

19. The word that does not belong to the same meaning group as the word TITTER is ....

(1) whisper

(2) giggle

(3) snigger

(4) chuckle

20. The word that does not belong to the same meaning group as the word STROLL is ....

(1) walk

(2) tumble

(3) amble

(4) pace

21. The coffee is very weak. I like it a bit ....

(1) weaker

(2) stronger

(3) colder

(4) strong

22. We met a lot of interesting people .... our holiday.

(1) while

(2) during

(3) in

(4) after

23. It was very hot yesterday, but today it is ....

(1) hotter

(2) even hotter

(3) colder

(4) hot

24. One who loves books is known as ....

(1) bibliophile

(2) intellectual

(3) scholar

(4) reader

25. Do not wait for me. I do not want to ....

(1) hold up you

(2) hold you up

(3) wait

(4) come up

26. The average of four consecutive even numbers is 29. Find the largest of these numbers.

(1) 38

(2) 36

(3) 34

(4) 32

27. If 391 bananas were distributed amongst 3 monkeys in the ratio of 1/2 : 2/3 : 3/4. How many bananas did the first monkey get ?

(1) 102

(2) 112

(3) 108

(4) 104

28. There are five vessels, with equal capacities, each containing some milk. The quantities of milk in the 5 vessels are in the ratio 4 : 5 : 6 : 7 : 8. The total quantity of milk in the 5 vessels is equal to the 75% of the total capacity of the 5 vessels. How many of the vessels are at least 64% full of milk ?

(1) 1

(2) 4

(3) 3

(4) 2

29. A and B can do a work in 12 days. B and C in 15 days and C and A in 20 days. If A, B and C work together, how many days will they take to complete the work ?

(1) 5 days

(2) 10 days

(3) 7.5 days

(4) 15.25 days

30. Average cost of 5 oranges and 4 bananas is Rs. 36. The average cost of 7 oranges and 8 bananas is Rs. 48. Find the total cost of 24 oranges and 24 bananas.

(1) 1044

(2) 168

(3) 2088

(4) 324

31. The average age of a group of 20 women, of whom the youngest is 32 and the eldest is 56, is 49 years. If two women with ages 45 years and 50 years leave the group and three women join the group, the average remains unchanged. What is the average age of the three women who joined the group later ?

(1) 32

(2) 45

(3) 38

(4) 48

32. A reduction of 20% in the price of wheat enables Soni to buy 5 kg more wheat for Rs. 320. The original rate in (Rs. Per kg) of wheat was :

(1) 16

(2) 18

(3) 20

(4) 21

33. On a certain date, Pakistan has a success rate of 60% against India in all ODIs played between the two countries. They lost the next 30 ODIs in a row to India and their success rate comes down to 30%. The total number of ODIs played between the 2 countries is :

(1) 50

(2) 60

(3) 45

(4) 50

34. Six children, three girls and three boys, go for a picnic. The three girls are Shreya, Mrinal and Minu. The three boys are Amar, Sameer and Anwar. On their way, a person asks them their ages. All except Sameer give some information about their ages. Amar says "I am half as old as Sameer and two-thirds as old as Mrinal". Shreya says "My age is three-fifths the sum of the ages of Amar and Minu. Mrinal says "I am six years older than Shreya". Minu says "the sum of the ages of Anwar, Mrinal and Shreya is equal to that of sum of the ages of Amar, Sameer and myself, Anwar says "I am 20 years old".

Who is youngest in the group ?

(1) Mrinal

(2) Anwar

(3) Minu

(4) Shreya

35. There were three partners, A, B, C in a business, and each had a share of the profits in proportion to his capital. A's capital was Rs. 240; B's Rs. 640; and A' share was Rs. 15 in every Rs.100. Find B's share of profits and C's capital.

(1) Rs. 40 in every Rs. 100; Rs. 720

(2) Rs. 20 in every Rs. 100; Rs. 800

(3) Rs. 45 in every Rs. 100; Rs. 900

(4) Rs. 35 in every Rs. 100; Rs. 700

36. A financier claims to be lending money at simple interest, but he includes the interest every six months for calculating the principal. If he is charging an interest of 10%, the effective rate of interest becomes :

(1) 9.5% (2) 10.25%

(3) 10.5% (4) 10.75%

37. P lives at A and Q lives at B. P usually goes to meet Q at B. He covers the distance in 3 hours at 150 km/h. On a particular day Q started moving away from P, while P was moving towards B. Thus P took total 5 hours to meet Q. What is the ratio of speeds of P & Q ?

(1) 8 : 5 (2) 4 : 3

(3) 3 : 2 (4) 5 : 2

38. A wrist watch which is running 12 minutes late on a Sunday noon is 16 minutes ahead of the correct time at 12 noon on the next Sunday. When is the clock 8 minutes ahead of time ?

(1) Thursday 10 AM

(2) Friday 8 PM

(3) Friday noon

(4) Tuesday noon

39. Ramu manufactures ceramic cups. On any day he manufactures as many cups as the cost to make per cup. Everyday Ramu sells all of his cups at a profit of Rs. 10 per cup. If at the end of the day he makes a profit of 5%, then how much profit did he make by the end of every day ?

(1) 1000
(2) 1200
(3) 1500
(4) 2000

40. Surface area of a hollow cylinder with, radius and height is measured by :

(1) $2\pi rh$
(2) $2\pi r$
(3) πrh
(4) $2\pi r - h$

41. Polygon's exterior angles sum up to …………… .

(1) 120°
(2) 360°
(3) 720°
(4) None of these

42. In the following question, two equations are given. You have to solve them and mark one of the following as answers :

I. $X^2 + 17X + 72 = 0$

II. $Y^2 + 15Y + 56 = 0$

(1) $X > Y$
(2) $X < Y$
(3) $X \geq Y$
(4) $X \leq Y$

43. Find the linear equation in two variables which form a system of equations with $x - 2y = 3$ that has infinitely many solutions :

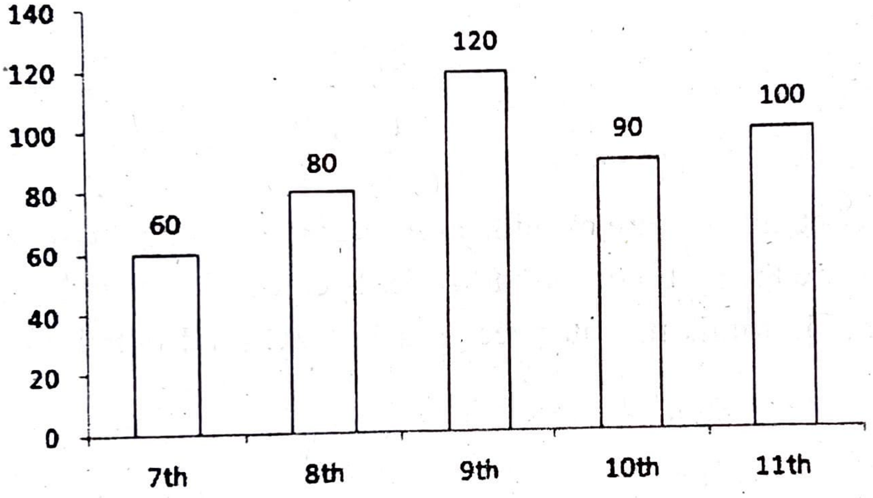
(1) $2x - 4y = 9$
(2) $4x - 8y = 12$
(3) $3x - 4y = 9$
(4) None of the above

44. A company CEO invited nine persons for a business meeting, where the host will be seated at a circular table. How many different arrangements are possible if two invitees X and Y be seated on either side of the host CEO ?

(1) 10080 (2) 10800 (3) 9200 (4) 4600

Directions (Question 45 & 46) : Use the below data to answer the questions.

The bar graph given below shows the total number of students before promotion in different classes of a school and the table shows the percentage of students in each class who are promoted to the next higher class.



Class	Percentage
7th	$66\frac{2}{3}$
8th	25
9th	80
10th	$33\frac{1}{3}$
11th	...

45. If 20% of students of class 7th are demoted to class 6th, then find the ratio of no. of students who remain in class 7th to the number of students who get promoted to class 11th. (Note : no student from class 7th leaves the school) :

(1) 2 : 15 (2) 4 : 15 (3) 1 : 5 (4) 1 : 3

46. The students who get promoted to class 11th go for one of the three streams – Science, Arts or Commerce in ratio 3 : 1 : 2 respectively. Find the difference between number of students who opted for Science and those who opted for Arts out of the promoted students.

(1) 15

(2) 13

(3) 12

(4) 10

47. The ratio of magnitude of curved surface area to the volume of cylinder is 1 : 7 and the ratio of diameter of the base to the height of cylinder is 4 : 3. Find total surface area of cylinder (in cm^2) ?

(1) 3100

(2) 3000

(3) 3180

(4) 3080

48. A container contains mixture of milk and water in the ratio 7 : x. If 20 litre of water is added to mixture then ratio of milk to water becomes 7 : 15 and if 10 litres of water is added then ratio of milk to water becomes 14 : 25. Find initial quantity of milk in the mixture :

(1) 42 L

(2) 28 L

(3) 35 L

(4) 21 L

49. A can do a work in x days and B can complete the same work in (x + 4) day. If A is 25% more efficient than B, then find the time in which A and B together can complete the whole work working alternatively on each day starting from A :

(1) $17\frac{3}{4}$ days

(2) $12\frac{2}{5}$ days

(3) $15\frac{2}{3}$ days

(4) $20\frac{2}{3}$ days

50. A bag contains 2 red, 3 green and 2 blue balls. Two balls are drawn at random. What is the probability that none of the balls drawn is blue ?

(1) 10/21

(2) 11/21

(3) 2/7

(4) 5/7

51. In a code language, BLEND is written as ENHPG. How will WINNER be written in the same language ?

(1) ZKQPHT
(2) ZKQPHU
(3) YKQPHT
(4) ZKOPHT

52. A, B, C, D, E, F and G are members of a sports club and have liking for different games, viz Carrom, Table Tennis, Badminton, Bridge, Hockey, Football and Lawn Tennis but not necessarily in the same order. Each one of them has a liking for different musical instruments, viz. Sitar, Guitar, Harmonium, Flute, Tabla, Banjo and Santoor, not necessarily in the same order. B likes Carrom and Banjo. E likes to play Bridge but not Harmonium or Tabla. The one who plays Hockey plays Sitar. F plays Guitar but not Table Tennis or Lawn Tennis. A plays badminton and Flute. The one who plays Lawn Tennis does not play Tabla. C plays Harmonium and G plays Hockey. D plays which game ?

(1) Table Tennis
(2) Lawn Tennis
(3) Football
(4) Can't be determined

53. If * stands for 'addition', / stands for 'subtraction', + stands for 'multiplication', and – stands for 'division', then 20 * 8 / 8 – 4 + 2 = ?

(1) 80
(2) 25
(3) 24
(4) 5

54. Insert the missing number in the series : 5, 17, 14, 26, 23, 35, 32, ...

(1) 34
(2) 44
(3) 54
(4) 35

55. A man walked 20 m from a point towards east, then turned right and walked 15 m. Again, he turned right and walked 8 m. Once again, he turned right and walked 6 m. his distance now from starting point is :

(1) 9 m
(2) 11 m
(3) 12 m
(4) 15 m

56. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl ?

(1) Brother
(2) Nephew
(3) Son-in-law
(4) Uncle

57. On a bench, A, B, C, D and E are seated. A is seated next to B, C is seated next to D, and D is not seated near to E, who is seated on the bench's left end. C is in the second from the right position. B and E are to the right of A. A and C are seated next to one other. What is A's sitting position ?

(1) Between B and D
(2) Between B and C
(3) Between E and D
(4) Between C and D

58. Rank of Sujay is 15th from the bottom in a group of 25 students. Find his rank from below if 3 new students will be added to the top of the list.

(1) 14
(2) 11
(3) 12
(4) 13

59. Insect : Disease : : War : ?

(1) Army
(2) Defeat
(3) Arsenal
(4) Destruction

60. Statements :

I. Importance of Yoga and exercise is being realized by all sections of the society.

II. There is an increasing awareness about health in the society particularly among middle age group of people.

(1) Statement I is the cause and statement II is its effect
(2) Statement II is the cause and statement I is its effect
(3) Both the statements I and II are independent causes
(4) Both the statements I and II are effects of independent causes

61. Find the odd number from the given alternatives :

(1) 626 (2) 841

(3) 962 (4) 1090

62. **Statement :** Ahimsa should be a basic principle of human beings. All of us should practice Ahimsa.

Conclusion I : We all know the real meaning of Ahimsa.

Conclusion II : Ahimsa promotes global harmony.

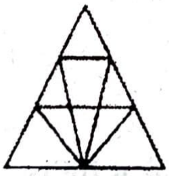
(1) Only conclusion I follows

(2) Only conclusion II follows

(3) Both the conclusions follow

(4) Neither the conclusion I nor conclusion II follows

63. Find the number of triangles in the given figure :



(1) 12 (2) 18

(3) 22 (4) 26

64. 4832, 5840, 6848, 7856, ?

(1) 8626 (2) 8765

(3) 8864 (4) 8432

65. If P denotes +, Q denotes ×, R denotes / and S denotes –, then 18 Q 12 P 4 R 5 S 6 = ?

(1) 59 (2) 65

(3) 53 (4) 36

66. Find the one which does not belong to that group ?

(1) 27 (2) 37

(3) 47 (4) 67

67. Man : Biography : : Nation : ?

(1) Leader (2) People

(3) Geography (4) History

68. Two buses start from the opposite points of a main road, 150 kms apart. The first bus runs for 25 kms and takes a right turn and then runs for 15 kms. It then turns left and runs for another 25 kms and takes the direction back to reach the main road. In the meantime, due to a minor breakdown, the other bus run only 35 kms along the main road. What would be the distance between the buses at this point ?

(1) 65 kms (2) 75 kms

(3) 85 kms (4) 95 kms

69. **Statement :** Anger is energy, in a more proactive way and how to channelize it is in itself a skill.

Assumptions :

I. Anger needs to be channelized.

II. Only skillful people can channelize anger to energy.

(1) Only assumption I is implicit.

(2) Only assumption II is implicit.

(3) Either I or II is implicit.

(4) Neither I nor II is implicit.

70. Should the institute conduct classes in remote villages ?

Arguments :

I. Yes, this will help those students who belong to villages and cannot visit urban areas for studies.

II. No, this is not an economically viable proposal, as the number of students who attend such classes cannot contribute to break-even.

(1) Only argument I is strong

(2) Only argument II is strong

(3) Neither I nor II is strong

(4) Both I and II are strong

71. A man said to a lady, "Your mother's husband's sister is my aunt." How is the lady related to the man ?

(1) Daughter (2) Mother

(3) Sister (4) Grand Daughter

72. Sanjeev ranks seventh from the top and twenty-eight from the bottom in a class. How many students are there in the class ?

(1) 34 (2) 37

(3) 35 (4) 36

73. Which option is right chronology: 1. Birth 2. Death 3. Funeral 4. Marriage 5. Education ?

(1) 4, 5, 3, 1, 2 (2) 2, 3, 4, 5, 1

(3) 1, 5, 4, 2, 3 (4) 1, 3, 4, 5, 2

74. 196 : 256 : : 324 :

(1) 361 (2) 400

(3) 484 (4) 529

75. A watch reads 4.30 PM. If the minute hand points East, in what direction will the hour hand point ?

(1) North-West (2) North-East

(3) South-West (4) South-East

76. Which city is the host of the W20 Inception Meeting under India's G-20 Presidency ?

(1) Chennai (2) Kochi

(3) Aurangabad (4) Bhubaneswar

77. Gyalsung Infra Project, to which India provided a grant of Rs. 2 billion, is associated with which country ?

(1) Sri Lanka (2) Nepal

(3) Bhutan (4) Myanmar

78. The 'Ayushman Bharat Digital Mission' was launched in which year ?

(1) 2016 (2) 2018

(3) 2019 (4) 2021

79. Which institution releases the 'Methane Global Tracker Report' ?

(1) UNEP (2) IEA

(3) UNFCCC (4) World Bank

80. 'Harbinger 2021' is the global hackathon organised by which institution ?

(1) SEBI (2) Niti Aayog

(3) RBI (4) Indian Army

81. What is the GDP Growth projection for India in FY23, as per OECD's recent report (June, 2022) ?

(1) 8.2% (2) 7.5%

(3) 7.2% (4) 6.9%

82. Which institution/ department notifies cost inflation index (CII) every year ?

(1) Reserve Bank of India

(2) Central Board of Direct Taxes

(3) National Statistical Office

(4) Department of Economic Affairs

83. The Indian to beat the computers in mathematical wizardry is :

(1) Ramanujam (2) Rina Panigrahi

(3) Raja Ramanna (4) Shakunthala Devi

84. Jude Felix is a famous Indian player in which of the fields ?

(1) Volleyball (2) Tennis

(3) Football (4) Hockey

85. Indian Council for Cultural Relations (ICCR) partnered with which technology company to promote Sanskrit ?

(1) Microsoft (2) Meta

(3) Twitter (4) Google

86. The International Film Festival of India (IFFI) 2022 is celebrating 50 years of which language cinema ?

(1) Gujarati (2) Urdu

(3) Manipuri (4) Bengali

87. In which of the following North Eastern states of India inhabit the Nishi tribe ?

(1) Meghalaya
(2) Arunachal Pradesh
(3) Nagaland
(4) Manipur

88. How many metropolitan cities are there in India ?

(1) 8
(2) 9
(3) 13
(4) 23

89. Arrange the following hill stations as per the descending order of their height :

(a) Mussoorie
(b) Araku-Valley
(c) Pachmarhi
(d) Gulmarg

Choose the ***correct*** option from the codes given below :

(1) d, c, a, b
(2) d, b, a, c
(3) a, b, d, c
(4) d, a, c, b

90. Which of the following states is ***not*** included in the sixth schedule of Indian Constitution ?

(1) Meghalaya
(2) Tripura
(3) Mizoram
(4) Manipur

91. Which among the following articles helped the Madarsas in India to remain out of purview of the Right to Education Act ?

(1) Article 26
(2) Article 27
(3) Article 28
(4) Article 30

92. The correct term among the mentioned revolutions that properly corresponds to 'fertilizers' is ?

(1) Silver Revolution

(2) The Grey Revolution

(3) Golden Revolution

(4) Pink Revolution

93. Which among the below mentioned can be stated as the primary goal of ATAL incubators ?

(1) To encourage creativity

(2) To instil and grow the sense of entrepreneurship

(3) To develop industries

(4) To enhance product development and quality

94. Ten-rupee note contains the signature of :

(1) Finance Secretary, Government of India

(2) Chairman, Reserve Bank of India

(3) Finance Minister, Government of India

(4) Governor, Reserve Bank of India

95. Modvat is :

(1) Modified value added

(2) A term used in excise which is a new scheme of indirect taxes

(3) Scheme which allows a manufacturer to claim instant reimbursement of the excise duty paid on the raw materials used for the production of the final goods

(4) All of the above

96. What is another word for 'precarious' ?

(1) Secure
(2) Exalted
(3) Uncertain
(4) Important

97. What is the synonym of the word 'Parochial' ?

(1) Abstract
(2) Unorthodox
(3) Baffling
(4) Conservative

98. Harild Pinter was awarded the Noble Prize for Literature in :

(1) 2000
(2) 2002
(3) 2003
(4) 2005

99. Fa Xian began his journey back home from which of the following Indian State :

(1) Bihar
(2) Maharashtra
(3) Bengal
(4) Odisha

100. The year 1856 as significant in the history of Indian Society because of :

(1) Hindu Widow Remarriage Act was passed.

(2) An Act against Female Infanticide was passed.

(3) An Act against Sati System was passed.

(4) An Act against Witch Hunting was passed.

Total No. of Printed Pages : 21

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU ARE ASKED TO DO SO)

B

SET-X

PG-EE-June, 2023

SUBJECT : MBA/MTTM/MHMCT

11158

Sr. No. ....

Time : **1¼ Hours** Max. Marks : **100** Total Questions : **100**

Roll No. (in figures)____________________ (in words) ____________________________

Name ______________________________ Date of Birth______________________________

Father's Name ________________________ Mother's Name ____________________________

Date of Examination __________________________

______________________ ______________________

(Signature of the Candidate) (Signature of the Invigilator)

SEAL

CANDIDATES MUST READ THE FOLLOWING INFORMATION/INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

1. ***All questions are compulsory.***
2. The candidates ***must return*** the question booklet as well as OMR Answer-Sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfair-means / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
3. Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
4. Question Booklet along with answer key of all the A, B, C & D code shall be got uploaded on the University Website immediately after the conduct of Entrance Examination. Candidates may raise valid objection/complaint if any, with regard to discrepancy in the question booklet/answer key within 24 hours of uploading the same on the University Website. The complaint be sent by the students to the Controller of Examinations by hand or through email. Thereafter, no complaint in any case, will be considered.
5. The candidate ***must not*** do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question booklet itself. Answers ***must not*** be ticked in the question booklet.
6. ***There will be no negative marking. Each correct answer will be awarded one full mark. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.***
7. Use only **Black** or **Blue Ball Point Pen** of good quality in the OMR Answer-Sheet.
8. *Before answering the questions, the candidates should ensure that they have been supplied correct and complete booklet. Complaints, if any, regarding misprinting etc. will not be entertained* **30** *minutes after starting of the examination.*

1. In a code language, BLEND is written as ENHPG. How will WINNER be written in the same language ?

(1) ZKQPHT (2) ZKQPHU

(3) YKQPHT (4) ZKOPHT

2. A, B, C, D, E, F and G are members of a sports club and have liking for different games, viz Carrom, Table Tennis, Badminton, Bridge, Hockey, Football and Lawn Tennis but not necessarily in the same order. Each one of them has a liking for different musical instruments, viz. Sitar, Guitar, Harmonium, Flute, Tabla, Banjo and Santoor, not necessarily in the same order. B likes Carrom and Banjo. E likes to play Bridge but not Harmonium or Tabla. The one who plays Hockey plays Sitar. F plays Guitar but not Table Tennis or Lawn Tennis. A plays badminton and Flute. The one who plays Lawn Tennis does not play Tabla. C plays Harmonium and G plays Hockey. D plays which game ?

(1) Table Tennis (2) Lawn Tennis

(3) Football (4) Can't be determined

3. If * stands for 'addition', / stands for 'subtraction', + stands for 'multiplication', and – stands for 'division', then 20 * 8 / 8 – 4 + 2 = ?

(1) 80 (2) 25

(3) 24 (4) 5

4. Insert the missing number in the series : 5, 17, 14, 26, 23, 35, 32, ...

(1) 34 (2) 44

(3) 54 (4) 35

5. A man walked 20 m from a point towards east, then turned right and walked 15 m. Again, he turned right and walked 8 m. Once again, he turned right and walked 6 m. his distance now from starting point is :

(1) 9 m (2) 11 m

(3) 12 m (4) 15 m

6. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl ?

(1) Brother (2) Nephew

(3) Son-in-law (4) Uncle

7. On a bench, A, B, C, D and E are seated. A is seated next to B. C is seated next to D, and D is not seated near to E, who is seated on the bench's left end. C is in the second from the right position. B and E are to the right of A. A and C are seated next to one other. What is A's sitting position ?

(1) Between B and D (2) Between B and C

(3) Between E and D (4) Between C and D

8. Rank of Sujay is 15th from the bottom in a group of 25 students. Find his rank from below if 3 new students will be added to the top of the list.

(1) 14 (2) 11

(3) 12 (4) 13

9. Insect : Disease : : War : ?

(1) Army (2) Defeat

(3) Arsenal (4) Destruction

10. **Statements :**

I. Importance of Yoga and exercise is being realized by all sections of the society.

II. There is an increasing awareness about health in the society particularly among middle age group of people.

(1) Statement I is the cause and statement II is its effect

(2) Statement II is the cause and statement I is its effect

(3) Both the statements I and II are independent causes

(4) Both the statements I and II are effects of independent causes

11. Find the odd number from the given alternatives :

(1) 626 (2) 841

(3) 962 (4) 1090

12. **Statement :** Ahimsa should be a basic principle of human beings. All of us should practice Ahimsa.

Conclusion I : We all know the real meaning of Ahimsa.

Conclusion II : Ahimsa promotes global harmony.

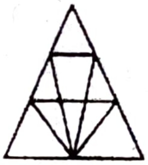
(1) Only conclusion I follows

(2) Only conclusion II follows

(3) Both the conclusions follow

(4) Neither the conclusion I nor conclusion II follows

13. Find the number of triangles in the given figure :



(1) 12 (2) 18

(3) 22 (4) 26

14. 4832, 5840, 6848, 7856, ?

(1) 8626 (2) 8765

(3) 8864 (4) 8432

15. If P denotes +, Q denotes ×, R denotes / and S denotes –, then 18 Q 12 P 4 R 5 S 6 = ?

(1) 59 (2) 65

(3) 53 (4) 36

16. Find the one which does not belong to that group ?

(1) 27 (2) 37

(3) 47 (4) 67

17. Man : Biography : : Nation : ?

(1) Leader (2) People

(3) Geography (4) History

18. Two buses start from the opposite points of a main road, 150 kms apart. The first bus runs for 25 kms and takes a right turn and then runs for 15 kms. It then turns left and runs for another 25 kms and takes the direction back to reach the main road. In the meantime, due to a minor breakdown, the other bus run only 35 kms along the main road. What would be the distance between the buses at this point ?

(1) 65 kms (2) 75 kms

(3) 85 kms (4) 95 kms

19. **Statement :** Anger is energy, in a more proactive way and how to channelize it is in itself a skill.

Assumptions :

I. Anger needs to be channelized.

II. Only skillful people can channelize anger to energy.

(1) Only assumption I is implicit.

(2) Only assumption II is implicit.

(3) Either I or II is implicit.

(4) Neither I nor II is implicit.

20. Should the institute conduct classes in remote villages ?

Arguments :

I. Yes, this will help those students who belong to villages and cannot visit urban areas for studies.

II. No, this is not an economically viable proposal, as the number of students who attend such classes cannot contribute to break-even.

(1) Only argument I is strong

(2) Only argument II is strong

(3) Neither I nor II is strong

(4) Both I and II are strong

21. A man said to a lady, "Your mother's husband's sister is my aunt." How is the lady related to the man ?

(1) Daughter
(2) Mother
(3) Sister
(4) Grand Daughter

22. Sanjeev ranks seventh from the top and twenty-eight from the bottom in a class. How many students are there in the class ?

(1) 34
(2) 37
(3) 35
(4) 36

23. Which option is right chronology: 1. Birth 2. Death 3. Funeral 4. Marriage 5. Education ?

(1) 4, 5, 3, 1, 2
(2) 2, 3, 4, 5, 1
(3) 1, 5, 4, 2, 3
(4) 1, 3, 4, 5, 2

24. 196 : 256 : : 324 :

(1) 361

(2) 400

(3) 484

(4) 529

25. A watch reads 4.30 PM. If the minute hand points East, in what direction will the hour hand point ?

(1) North-West

(2) North-East

(3) South-West

(4) South-East

26. I hurt my knee quite badly so ....

(1) I had to go to hospital

(2) I did not have the right running shoes

(3) I did not have the bandage

(4) It was bleeding profusely

27. I did not work hard at school. Consequently ....

(1) I did well at university

(2) I failed most of my exams

(3) I did not work hard in college

(4) I was good at mathematics

28. I am scared .... making a fool of myself when I give the presentation.

(1) for

(2) to

(3) of

(4) by

29. There are many things .... with our society today.

(1) bad

(2) wrong

(3) disturbing

(4) inappropriate

30. The word neatest in meaning to ESOTERIC is ....

(1) mysterious (2) hidden

(3) profound (4) common

31. Antonym of DEBAUCHERY is ....

(1) virtue (2) sensuality

(3) binge (4) lewd

32. I did not work hard at school. Consequently.................. .

(1) I did well at university

(2) I failed most of my exams

(3) I did not work hard in college

(4) I was good at mathematics

33. Synonym of CONFOUND is ....

(1) confuse (2) enlighten

(3) explain (4) muddy

34. The nearest meaning of the phrase *'to get one's back up'* is ....

(1) to rouse one's anger (2) back pain

(3) to rise and sit upright (4) to motivate

35. In spite of the fact that learning to speak a foreign language requires a lot of time and effort, ...

(1) many people give up after a short time

(2) many people manage it successfully

(3) people take training

(4) many people learn it later

36. Word nearest in meaning to PARODY is ....

(1) imitation
(2) flattery
(3) praise
(4) ridicule

37. .... I agree that he is attractive, I think he is not beautiful.

(1) while
(2) even though
(3) because
(4) assuming that

38. The nearest meaning of the phrase *'to rain cats and dogs'* is ....

(1) to rain non-stop
(2) heavy rain
(3) fight among cats and dogs
(4) drizzling

39. The ***correct*** option for use of 'the' is ....

(1) the Mount Everest
(2) the Himalayas
(3) the oxford road
(4) the central park

40. One way to improve your health is to eat more fruit and vegetables. Alternatively ....

(1) you could increase risk of your heart disease
(2) you could exercise more
(3) you could fall ill
(4) you could go on diet

41. Synonym of TANGIBLE is ....

(1) concrete
(2) actual
(3) sensible
(4) abstract

42. He .... me deny the truth.

(1) dared
(2) asked
(3) challenged
(4) told

43. Technology that is obsolete is ....

(1) very new
(2) no longer useful
(3) modern
(4) expensive

44. The word that does not belong to the same meaning group as the word TITTER is ....

(1) whisper
(2) giggle
(3) snigger
(4) chuckle

45. The word that does not belong to the same meaning group as the word STROLL is ....

(1) walk
(2) tumble
(3) amble
(4) pace

46. The coffee is very weak. I like it a bit ....

(1) weaker
(2) stronger
(3) colder
(4) strong

47. We met a lot of interesting people .... our holiday.

(1) while
(2) during
(3) in
(4) after

48. It was very hot yesterday, but today it is ....

(1) hotter
(2) even hotter
(3) colder
(4) hot

49. One who loves books is known as ....

(1) bibliophile
(2) intellectual
(3) scholar
(4) reader

50. Do not wait for me. I do not want to ....

(1) hold up you
(2) hold you up
(3) wait
(4) come up

51. Which city is the host of the W20 Inception Meeting under India's G-20 Presidency ?

(1) Chennai
(2) Kochi
(3) Aurangabad
(4) Bhubaneswar

52. Gyalsung Infra Project, to which India provided a grant of Rs. 2 billion, is associated with which country ?

(1) Sri Lanka
(2) Nepal
(3) Bhutan
(4) Myanmar

53. The 'Ayushman Bharat Digital Mission' was launched in which year ?

(1) 2016
(2) 2018
(3) 2019
(4) 2021

54. Which institution releases the 'Methane Global Tracker Report' ?

(1) UNEP
(2) IEA
(3) UNFCCC
(4) World Bank

55. 'Harbinger 2021' is the global hackathon organised by which institution ?

(1) SEBI
(2) Niti Aayog
(3) RBI
(4) Indian Army

56. What is the GDP Growth projection for India in FY23, as per OECD's recent report (June, 2022) ?

(1) 8.2% (2) 7.5%

(3) 7.2% (4) 6.9%

57. Which institution/ department notifies cost inflation index (CII) every year ?

(1) Reserve Bank of India

(2) Central Board of Direct Taxes

(3) National Statistical Office

(4) Department of Economic Affairs

58. The Indian to beat the computers in mathematical wizardry is :

(1) Ramanujam (2) Rina Panigrahi

(3) Raja Ramanna (4) Shakunthala Devi

59. Jude Felix is a famous Indian player in which of the fields ?

(1) Volleyball (2) Tennis

(3) Football (4) Hockey

60. Indian Council for Cultural Relations (ICCR) partnered with which technology company to promote Sanskrit ?

(1) Microsoft (2) Meta

(3) Twitter (4) Google

61. The International Film Festival of India (IFFI) 2022 is celebrating 50 years of which language cinema ?

(1) Gujarati (2) Urdu

(3) Manipuri (4) Bengali

62. In which of the following North Eastern states of India inhabit the Nishi tribe ?

(1) Meghalaya
(2) Arunachal Pradesh
(3) Nagaland
(4) Manipur

63. How many metropolitan cities are there in India ?

(1) 8
(2) 9
(3) 13
(4) 23

64. Arrange the following hill stations as per the descending order of their height :

(a) Mussoorie
(b) Araku-Valley
(c) Pachmarhi
(d) Gulmarg

Choose the ***correct*** option from the codes given below :

(1) d, c, a, b
(2) d, b, a, c
(3) a, b, d, c
(4) d, a, c, b

65. Which of the following states is ***not*** included in the sixth schedule of Indian Constitution ?

(1) Meghalaya
(2) Tripura
(3) Mizoram
(4) Manipur

66. Which among the following articles helped the Madarsas in India to remain out of purview of the Right to Education Act ?

(1) Article 26
(2) Article 27
(3) Article 28
(4) Article 30

67. The correct term among the mentioned revolutions that properly corresponds to 'fertilizers' is ?

(1) Silver Revolution

(2) The Grey Revolution

(3) Golden Revolution

(4) Pink Revolution

68. Which among the below mentioned can be stated as the primary goal of ATAL incubators ?

(1) To encourage creativity

(2) To instil and grow the sense of entrepreneurship

(3) To develop industries

(4) To enhance product development and quality

69. Ten-rupee note contains the signature of :

(1) Finance Secretary, Government of India

(2) Chairman, Reserve Bank of India

(3) Finance Minister, Government of India

(4) Governor, Reserve Bank of India

70. Modvat is :

(1) Modified value added

(2) A term used in excise which is a new scheme of indirect taxes

(3) Scheme which allows a manufacturer to claim instant reimbursement of the excise duty paid on the raw materials used for the production of the final goods

(4) All of the above

71. What is another word for 'precarious' ?

(1) Secure (2) Exalted

(3) Uncertain (4) Important

72. What is the synonym of the word 'Parochial' ?

(1) Abstract (2) Unorthodox

(3) Baffling (4) Conservative

73. Harild Pinter was awarded the Noble Prize for Literature in :

(1) 2000 (2) 2002

(3) 2003 (4) 2005

74. Fa Xian began his journey back home from which of the following Indian State :

(1) Bihar (2) Maharashtra

(3) Bengal (4) Odisha

75. The year 1856 as significant in the history of Indian Society because of :

(1) Hindu Widow Remarriage Act was passed.

(2) An Act against Female Infanticide was passed.

(3) An Act against Sati System was passed.

(4) An Act against Witch Hunting was passed.

76. The average of four consecutive even numbers is 29. Find the largest of these numbers.

(1) 38 (2) 36

(3) 34 (4) 32

77. If 391 bananas were distributed amongst 3 monkeys in the ratio of 1/2 : 2/3 : 3/4. How many bananas did the first monkey get ?

(1) 102
(2) 112
(3) 108
(4) 104

78. There are five vessels, with equal capacities, each containing some milk. The quantities of milk in the 5 vessels are in the ratio 4 : 5 : 6 : 7 : 8. The total quantity of milk in the 5 vessels is equal to the 75% of the total capacity of the 5 vessels. How many of the vessels are at least 64% full of milk ?

(1) 1
(2) 4
(3) 3
(4) 2

79. A and B can do a work in 12 days. B and C in 15 days and C and A in 20 days. If A, B and C work together, how many days will they take to complete the work ?

(1) 5 days
(2) 10 days
(3) 7.5 days
(4) 15.25 days

80. Average cost of 5 oranges and 4 bananas is Rs. 36. The average cost of 7 oranges and 8 bananas is Rs. 48. Find the total cost of 24 oranges and 24 bananas.

(1) 1044
(2) 168
(3) 2088
(4) 324

81. The average age of a group of 20 women, of whom the youngest is 32 and the eldest is 56, is 49 years. If two women with ages 45 years and 50 years leave the group and three women join the group, the average remains unchanged. What is the average age of the three women who joined the group later ?

(1) 32
(2) 45
(3) 38
(4) 48

82. A reduction of 20% in the price of wheat enables Soni to buy 5 kg more wheat for Rs. 320. The original rate in (Rs. Per kg) of wheat was :

(1) 16 (2) 18

(3) 20 (4) 21

83. On a certain date, Pakistan has a success rate of 60% against India in all ODIs played between the two countries. They lost the next 30 ODIs in a row to India and their success rate comes down to 30%. The total number of ODIs played between the 2 countries is :

(1) 50 (2) 60

(3) 45 (4) 50

84. Six children, three girls and three boys, go for a picnic. The three girls are Shreya, Mrinal and Minu. The three boys are Amar, Sameer and Anwar. On their way, a person asks them their ages. All except Sameer give some information about their ages. Amar says "I am half as old as Sameer and two-thirds as old as Mrinal". Shreya says "My age is three-fifths the sum of the ages of Amar and Minu. Mrinal says "I am six years older than Shreya". Minu says "the sum of the ages of Anwar, Mrinal and Shreya is equal to that of sum of the ages of Amar, Sameer and myself, Anwar says "I am 20 years old".

Who is youngest in the group ?

(1) Mrinal (2) Anwar

(3) Minu (4) Shreya

85. There were three partners, A, B, C in a business, and each had a share of the profits in proportion to his capital. A's capital was Rs. 240; B's Rs. 640; and A' share was Rs. 15 in every Rs.100. Find B's share of profits and C's capital.

(1) Rs. 40 in every Rs. 100; Rs. 720

(2) Rs. 20 in every Rs. 100; Rs. 800

(3) Rs. 45 in every Rs. 100; Rs. 900

(4) Rs. 35 in every Rs. 100; Rs. 700

86. A financier claims to be lending money at simple interest, but he includes the interest every six months for calculating the principal. If he is charging an interest of 10%, the effective rate of interest becomes :

(1) 9.5%
(2) 10.25%
(3) 10.5%
(4) 10.75%

87. P lives at A and Q lives at B. P usually goes to meet Q at B. He covers the distance in 3 hours at 150 km/h. On a particular day Q started moving away from P, while P was moving towards B. Thus P took total 5 hours to meet Q. What is the ratio of speeds of P & Q ?

(1) 8 : 5
(2) 4 : 3
(3) 3 : 2
(4) 5 : 2

88. A wrist watch which is running 12 minutes late on a Sunday noon is 16 minutes ahead of the correct time at 12 noon on the next Sunday. When is the clock 8 minutes ahead of time ?

(1) Thursday 10 AM
(2) Friday 8 PM
(3) Friday noon
(4) Tuesday noon

89. Ramu manufactures ceramic cups. On any day he manufactures as many cups as the cost to make per cup. Everyday Ramu sells all of his cups at a profit of Rs. 10 per cup. If at the end of the day he makes a profit of 5%, then how much profit did he make by the end of every day ?

(1) 1000
(2) 1200
(3) 1500
(4) 2000

90. Surface area of a hollow cylinder with, radius and height is measured by :

(1) $2\pi rh$
(2) $2\pi r$
(3) πrh
(4) $2\pi r - h$

91. Polygon's exterior angles sum up to ....

(1) 120°
(2) 360°
(3) 720°
(4) None of these

92. In the following question, two equations are given. You have to solve them and mark one of the following as answers :

I. $X^2 + 17X + 72 = 0$

II. $Y^2 + 15Y + 56 = 0$

(1) $X > Y$
(2) $X < Y$
(3) $X \geq Y$
(4) $X \leq Y$

93. Find the linear equation in two variables which form a system of equations with $x - 2y = 3$ that has infinitely many solutions :

(1) $2x - 4y = 9$

(2) $4x - 8y = 12$

(3) $3x - 4y = 9$

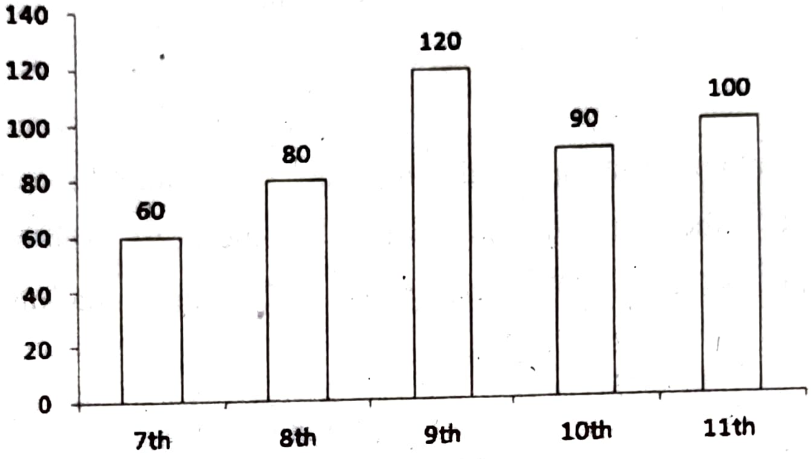
(4) None of the above

94. A company CEO invited nine persons for a business meeting, where the host will be seated at a circular table. How many different arrangements are possible if two invitees X and Y be seated on either side of the host CEO ?

(1) 10080
(2) 10800
(3) 9200
(4) 4600

Directions (Question 95 & 96) : Use the below data to answer the questions.

The bar graph given below shows the total number of students before promotion in different classes of a school and the table shows the percentage of students in each class who are promoted to the next higher class.



Class	Percentage
7th	$66\frac{2}{3}$
8th	25
9th	80
10th	$33\frac{1}{3}$
11th	...

95. If 20% of students of class 7th are demoted to class 6th, then find the ratio of no. of students who remain in class 7th to the number of students who get promoted to class 11th. (Note : no student from class 7th leaves the school) :

(1) 2 : 15 (2) 4 : 15 (3) 1 : 5 (4) 1 : 3

96. The students who get promoted to class 11th go for one of the three streams – Science, Arts or Commerce in ratio 3 : 1 : 2 respectively. Find the difference between number of students who opted for Science and those who opted for Arts out of the promoted students.

(1) 15 (2) 13 (3) 12 (4) 10

97. The ratio of magnitude of curved surface area to the volume of cylinder is 1 : 7 and the ratio of diameter of the base to the height of cylinder is 4 : 3. Find total surface area of cylinder (in cm^2) ?

(1) 3100
(2) 3000
(3) 3180
(4) 3080

98. A container contains mixture of milk and water in the ratio 7 : x. If 20 litre of water is added to mixture then ratio of milk to water becomes 7 : 15 and if 10 litres of water is added then ratio of milk to water becomes 14 : 25. Find initial quantity of milk in the mixture :

(1) 42 L
(2) 28 L
(3) 35 L
(4) 21 L

99. A can do a work in x days and B can complete the same work in (x + 4) day. If A is 25% more efficient than B, then find the time in which A and B together can complete the whole work working alternatively on each day starting from A :

(1) $17\frac{3}{4}$ days
(2) $12\frac{2}{5}$ days
(3) $15\frac{2}{3}$ days
(4) $20\frac{2}{3}$ days

100. A bag contains 2 red, 3 green and 2 blue balls. Two balls are drawn at random. What is the probability that none of the balls drawn is blue ?

(1) 10/21
(2) 11/21
(3) 2/7
(4) 5/7

Total No. of Printed Pages : 21

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU ARE ASKED TO DO SO)

C

SET-X

PG-EE-June, 2023

SUBJECT : MBA/MTTM/MHMCT

10963

Sr. No. ....

Time : **1¼ Hours** Max. Marks : **100** Total Questions : **100**

Roll No. (in figures)________________ (in words) ______________________________

Name ______________________________ Date of Birth ______________________________

Father's Name ______________________ Mother's Name ______________________________

Date of Examination ______________________

______________________ ______________________

(Signature of the Candidate) (Signature of the Invigilator)

CANDIDATES MUST READ THE FOLLOWING INFORMATION/INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

1. ***All questions are compulsory.***
2. The candidates ***must return*** the question booklet as well as OMR Answer-Sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfair-means / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
3. Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
4. Question Booklet along with answer key of all the A, B, C & D code shall be got uploaded on the University Website immediately after the conduct of Entrance Examination. Candidates may raise valid objection/complaint if any, with regard to discrepancy in the question booklet/answer key within 24 hours of uploading the same on the University Website. The complaint be sent by the students to the Controller of Examinations by hand or through email. Thereafter, no complaint in any case, will be considered.
5. The candidate ***must not*** do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question booklet itself. Answers ***must not*** be ticked in the question booklet.
6. ***There will be no negative marking. Each correct answer will be awarded one full mark. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.***
7. Use only **Black** or **Blue Ball Point Pen** of good quality in the OMR Answer-Sheet.
8. *Before answering the questions, the candidates should ensure that they have been supplied correct and complete booklet. Complaints, if any, regarding misprinting etc. will not be entertained* **30** *minutes after starting of the examination.*

1. Which city is the host of the W20 Inception Meeting under India's G-20 Presidency ?

(1) Chennai	(2) Kochi
(3) Aurangabad	(4) Bhubaneswar

2. Gyalsung Infra Project, to which India provided a grant of Rs. 2 billion, is associated with which country ?

(1) Sri Lanka	(2) Nepal
(3) Bhutan	(4) Myanmar

3. The 'Ayushman Bharat Digital Mission' was launched in which year ?

(1) 2016	(2) 2018
(3) 2019	(4) 2021

4. Which institution releases the 'Methane Global Tracker Report' ?

(1) UNEP	(2) IEA
(3) UNFCCC	(4) World Bank

5. 'Harbinger 2021' is the global hackathon organised by which institution ?

(1) SEBI	(2) Niti Aayog
(3) RBI	(4) Indian Army

6. What is the GDP Growth projection for India in FY23, as per OECD's recent report (June, 2022) ?

(1) 8.2%	(2) 7.5%
(3) 7.2%	(4) 6.9%

7. Which institution/ department notifies cost inflation index (CII) every year ?

(1) Reserve Bank of India

(2) Central Board of Direct Taxes

(3) National Statistical Office

(4) Department of Economic Affairs

8. The Indian to beat the computers in mathematical wizardry is :

(1) Ramanujam
(2) Rina Panigrahi

(3) Raja Ramanna
(4) Shakunthala Devi

9. Jude Felix is a famous Indian player in which of the fields ?

(1) Volleyball
(2) Tennis

(3) Football
(4) Hockey

10. Indian Council for Cultural Relations (ICCR) partnered with which technology company to promote Sanskrit ?

(1) Microsoft
(2) Meta

(3) Twitter
(4) Google

11. The International Film Festival of India (IFFI) 2022 is celebrating 50 years of which language cinema ?

(1) Gujarati
(2) Urdu

(3) Manipuri
(4) Bengali

12. In which of the following North Eastern states of India inhabit the Nishi tribe ?

(1) Meghalaya
(2) Arunachal Pradesh

(3) Nagaland
(4) Manipur

13. How many metropolitan cities are there in India ?

(1) 8
(2) 9
(3) 13
(4) 23

14. Arrange the following hill stations as per the descending order of their height :

(a) Mussoorie
(b) Araku-Valley
(c) Pachmarhi
(d) Gulmarg

Choose the ***correct*** option from the codes given below :

(1) d, c, a, b
(2) d, b, a, c
(3) a, b, d, c
(4) d, a, c, b

15. Which of the following states is ***not*** included in the sixth schedule of Indian Constitution ?

(1) Meghalaya
(2) Tripura
(3) Mizoram
(4) Manipur

16. Which among the following articles helped the Madarsas in India to remain out of purview of the Right to Education Act ?

(1) Article 26
(2) Article 27
(3) Article 28
(4) Article 30

17. The correct term among the mentioned revolutions that properly corresponds to 'fertilizers' is ?

(1) Silver Revolution
(2) The Grey Revolution
(3) Golden Revolution
(4) Pink Revolution

18. Which among the below mentioned can be stated as the primary goal of ATAL incubators ?

(1) To encourage creativity

(2) To instil and grow the sense of entrepreneurship

(3) To develop industries

(4) To enhance product development and quality

19. Ten-rupee note contains the signature of :

(1) Finance Secretary, Government of India

(2) Chairman, Reserve Bank of India

(3) Finance Minister, Government of India

(4) Governor, Reserve Bank of India

20. Modvat is :

(1) Modified value added

(2) A term used in excise which is a new scheme of indirect taxes

(3) Scheme which allows a manufacturer to claim instant reimbursement of the excise duty paid on the raw materials used for the production of the final goods

(4) All of the above

21. What is another word for 'precarious' ?

(1) Secure
(2) Exalted
(3) Uncertain
(4) Important

22. What is the synonym of the word 'Parochial' ?

(1) Abstract
(2) Unorthodox
(3) Baffling
(4) Conservative

23. Harild Pinter was awarded the Noble Prize for Literature in :

(1) 2000
(2) 2002
(3) 2003
(4) 2005

24. Fa Xian began his journey back home from which of the following Indian State :

(1) Bihar
(2) Maharashtra
(3) Bengal
(4) Odisha

25. The year 1856 as significant in the history of Indian Society because of :

(1) Hindu Widow Remarriage Act was passed.
(2) An Act against Female Infanticide was passed.
(3) An Act against Sati System was passed.
(4) An Act against Witch Hunting was passed.

26. In a code language, BLEND is written as ENHPG. How will WINNER be written in the same language ?

(1) ZKQPHT
(2) ZKQPHU
(3) YKQPHT
(4) ZKOPHT

27. A, B, C, D, E, F and G are members of a sports club and have liking for different games, viz Carrom, Table Tennis, Badminton, Bridge, Hockey, Football and Lawn Tennis but not necessarily in the same order. Each one of them has a liking for different musical instruments, viz. Sitar, Guitar, Harmonium, Flute, Tabla, Banjo and Santoor, not necessarily in the same order. B likes Carrom and Banjo. E likes to play Bridge but not Harmonium or Tabla. The one who plays Hockey plays Sitar. F plays Guitar but not Table Tennis or Lawn Tennis. A plays badminton and Flute. The one who plays Lawn Tennis does not play Tabla. C plays Harmonium and G plays Hockey. D plays which game ?

(1) Table Tennis
(2) Lawn Tennis
(3) Football
(4) Can't be determined

28. If * stands for 'addition', / stands for 'subtraction', + stands for 'multiplication', and – stands for 'division', then 20 * 8 / 8 – 4 + 2 = ?

(1) 80
(2) 25
(3) 24
(4) 5

29. Insert the missing number in the series : 5, 17, 14, 26, 23, 35, 32, ...

(1) 34
(2) 44
(3) 54
(4) 35

30. A man walked 20 m from a point towards east, then turned right and walked 15 m. Again, he turned right and walked 8 m. Once again, he turned right and walked 6 m. his distance now from starting point is :

(1) 9 m
(2) 11 m
(3) 12 m
(4) 15 m

31. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl ?

(1) Brother
(2) Nephew
(3) Son-in-law
(4) Uncle

32. On a bench, A, B, C, D and E are seated. A is seated next to B, C is seated next to D, and D is not seated near to E, who is seated on the bench's left end. C is in the second from the right position. B and E are to the right of A. A and C are seated next to one other. What is A's sitting position ?

(1) Between B and D
(2) Between B and C
(3) Between E and D
(4) Between C and D

33. Rank of Sujay is 15th from the bottom in a group of 25 students. Find his rank from below if 3 new students will be added to the top of the list.

(1) 14
(2) 11
(3) 12
(4) 13

34. Insect : Disease : : War : ?

(1) Army

(2) Defeat

(3) Arsenal

(4) Destruction

35. **Statements :**

I. Importance of Yoga and exercise is being realized by all sections of the society.

II. There is an increasing awareness about health in the society particularly among middle age group of people.

(1) Statement I is the cause and statement II is its effect

(2) Statement II is the cause and statement I is its effect

(3) Both the statements I and II are independent causes

(4) Both the statements I and II are effects of independent causes

36. Find the odd number from the given alternatives :

(1) 626

(2) 841

(3) 962

(4) 1090

37. **Statement :** Ahimsa should be a basic principle of human beings. All of us should practice Ahimsa.

Conclusion I : We all know the real meaning of Ahimsa.

Conclusion II : Ahimsa promotes global harmony.

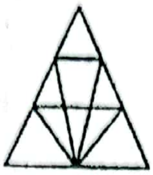
(1) Only conclusion I follows

(2) Only conclusion II follows

(3) Both the conclusions follow

(4) Neither the conclusion I nor conclusion II follows

38. Find the number of triangles in the given figure :



(1) 12
(2) 18
(3) 22
(4) 26

39. 4832, 5840, 6848, 7856, ?

(1) 8626
(2) 8765
(3) 8864
(4) 8432

40. If P denotes +, Q denotes ×, R denotes / and S denotes –, then 18 Q 12 P 4 R 5 S 6 = ?

(1) 59
(2) 65
(3) 53
(4) 36

41. Find the one which does not belong to that group ?

(1) 27
(2) 37
(3) 47
(4) 67

42. Man : Biography : : Nation : ?

(1) Leader
(2) People
(3) Geography
(4) History

43. Two buses start from the opposite points of a main road, 150 kms apart. The first bus runs for 25 kms and takes a right turn and then runs for 15 kms. It then turns left and runs for another 25 kms and takes the direction back to reach the main road. In the meantime, due to a minor breakdown, the other bus run only 35 kms along the main road. What would be the distance between the buses at this point ?

(1) 65 kms
(2) 75 kms
(3) 85 kms
(4) 95 kms

44. **Statement :** Anger is energy, in a more proactive way and how to channelize it is in itself a skill.

Assumptions :

I. Anger needs to be channelized.

II. Only skillful people can channelize anger to energy.

(1) Only assumption I is implicit.

(2) Only assumption II is implicit.

(3) Either I or II is implicit.

(4) Neither I nor II is implicit.

45. Should the institute conduct classes in remote villages ?

Arguments :

I. Yes, this will help those students who belong to villages and cannot visit urban areas for studies.

II. No, this is not an economically viable proposal, as the number of students who attend such classes cannot contribute to break-even.

(1) Only argument I is strong

(2) Only argument II is strong

(3) Neither I nor II is strong

(4) Both I and II are strong

46. A man said to a lady, "Your mother's husband's sister is my aunt." How is the lady related to the man ?

(1) Daughter (2) Mother

(3) Sister (4) Grand Daughter

47. Sanjeev ranks seventh from the top and twenty-eight from the bottom in a class. Hov many students are there in the class ?

(1) 34
(2) 37
(3) 35
(4) 36

48. Which option is right chronology: 1. Birth 2. Death 3. Funeral 4. Marriag 5. Education ?

(1) 4, 5, 3, 1, 2
(2) 2, 3, 4, 5, 1
(3) 1, 5, 4, 2, 3
(4) 1, 3, 4, 5, 2

49. 196 : 256 : : 324 :

(1) 361
(2) 400
(3) 484
(4) 529

50. A watch reads 4.30 PM. If the minute hand points East, in what direction will the hour hand point ?

(1) North-West
(2) North-East
(3) South-West
(4) South-East

51. The average of four consecutive even numbers is 29. Find the largest of these numbers.

(1) 38
(2) 36
(3) 34
(4) 32

52. If 391 bananas were distributed amongst 3 monkeys in the ratio of 1/2 : 2/3 : 3/4. How many bananas did the first monkey get ?

(1) 102
(2) 112
(3) 108
(4) 104

53. There are five vessels, with equal capacities, each containing some milk. The quantities of milk in the 5 vessels are in the ratio 4 : 5 : 6 : 7 : 8. The total quantity of milk in the 5 vessels is equal to the 75% of the total capacity of the 5 vessels. How many of the vessels are at least 64% full of milk ?

(1) 1 (2) 4

(3) 3 (4) 2

54. A and B can do a work in 12 days. B and C in 15 days and C and A in 20 days. If A, B and C work together, how many days will they take to complete the work ?

(1) 5 days (2) 10 days

(3) 7.5 days (4) 15.25 days

55. Average cost of 5 oranges and 4 bananas is Rs. 36. The average cost of 7 oranges and 8 bananas is Rs. 48. Find the total cost of 24 oranges and 24 bananas.

(1) 1044 (2) 168

(3) 2088 (4) 324

56. The average age of a group of 20 women, of whom the youngest is 32 and the eldest is 56, is 49 years. If two women with ages 45 years and 50 years leave the group and three women join the group, the average remains unchanged. What is the average age of the three women who joined the group later ?

(1) 32 (2) 45

(3) 38 (4) 48

57. A reduction of 20% in the price of wheat enables Soni to buy 5 kg more wheat for Rs. 320. The original rate in (Rs. Per kg) of wheat was :

(1) 16 (2) 18

(3) 20 (4) 21

58. On a certain date, Pakistan has a success rate of 60% against India in all ODIs played between the two countries. They lost the next 30 ODIs in a row to India and their success rate comes down to 30%. The total number of ODIs played between the 2 countries is :

(1) 50
(2) 60
(3) 45
(4) 50

59. Six children, three girls and three boys, go for a picnic. The three girls are Shreya, Mrinal and Minu. The three boys are Amar, Sameer and Anwar. On their way, a person asks them their ages. All except Sameer give some information about their ages. Amar says "I am half as old as Sameer and two-thirds as old as Mrinal". Shreya says "My age is three-fifths the sum of the ages of Amar and Minu. Mrinal says "I am six years older than Shreya". Minu says "the sum of the ages of Anwar, Mrinal and Shreya is equal to that of sum of the ages of Amar, Sameer and myself, Anwar says "I am 20 years old".

Who is youngest in the group ?

(1) Mrinal
(2) Anwar
(3) Minu
(4) Shreya

60. There were three partners, A, B, C in a business, and each had a share of the profits in proportion to his capital. A's capital was Rs. 240; B's Rs. 640; and A' share was Rs. 15 in every Rs.100. Find B's share of profits and C's capital.

(1) Rs. 40 in every Rs. 100; Rs. 720
(2) Rs. 20 in every Rs. 100; Rs. 800
(3) Rs. 45 in every Rs. 100; Rs. 900
(4) Rs. 35 in every Rs. 100; Rs. 700

61. A financier claims to be lending money at simple interest, but he includes the interest every six months for calculating the principal. If he is charging an interest of 10%, the effective rate of interest becomes :

(1) 9.5%

(2) 10.25%

(3) 10.5%

(4) 10.75%

62. P lives at A and Q lives at B. P usually goes to meet Q at B. He covers the distance in 3 hours at 150 km/h. On a particular day Q started moving away from P, while P was moving towards B. Thus P took total 5 hours to meet Q. What is the ratio of speeds of P & Q ?

(1) 8 : 5

(2) 4 : 3

(3) 3 : 2

(4) 5 : 2

63. A wrist watch which is running 12 minutes late on a Sunday noon is 16 minutes ahead of the correct time at 12 noon on the next Sunday. When is the clock 8 minutes ahead of time ?

(1) Thursday 10 AM

(2) Friday 8 PM

(3) Friday noon

(4) Tuesday noon

64. Ramu manufactures ceramic cups. On any day he manufactures as many cups as the cost to make per cup. Everyday Ramu sells all of his cups at a profit of Rs. 10 per cup. If at the end of the day he makes a profit of 5%, then how much profit did he make by the end of every day ?

(1) 1000

(2) 1200

(3) 1500

(4) 2000

65. Surface area of a hollow cylinder with, radius and height is measured by :

(1) $2\pi rh$ (2) $2\pi r$

(3) πrh (4) $2\pi r - h$

66. Polygon's exterior angles sum up to ....

(1) 120° (2) 360°

(3) 720° (4) None of these

67. In the following question, two equations are given. You have to solve them and mark one of the following as answers :

I. $X^2 + 17X + 72 = 0$

II. $Y^2 + 15Y + 56 = 0$

(1) $X > Y$ (2) $X < Y$

(3) $X \geq Y$ (4) $X \leq Y$

68. Find the linear equation in two variables which form a system of equations with $x - 2y = 3$ that has infinitely many solutions :

(1) $2x - 4y = 9$

(2) $4x - 8y = 12$

(3) $3x - 4y = 9$

(4) None of the above

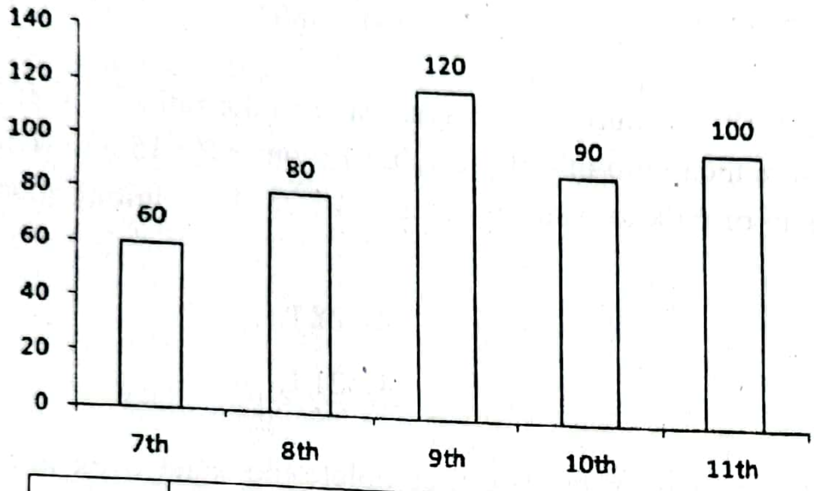
69. A company CEO invited nine persons for a business meeting, where the host will be seated at a circular table. How many different arrangements are possible if two invitees X and Y be seated on either side of the host CEO ?

(1) 10080 (2) 10800

(3) 9200 (4) 4600

Directions (Question 70 & 71) : Use the below data to answer the questions.

The bar graph given below shows the total number of students before promotion in different classes of a school and the table shows the percentage of students in each class who are promoted to the next higher class.



Class	Percentage
7th	$66\frac{2}{3}$
8th	25
9th	80
10th	$33\frac{1}{3}$
11th	...

70. If 20% of students of class 7th are demoted to class 6th, then find the ratio of no. of students who remain in class 7th to the number of students who get promoted to class 11th. (Note : no student from class 7th leaves the school) :

(1) 2 : 15 (2) 4 : 15 (3) 1 : 5 (4) 1 : 3

71. The students who get promoted to class 11th go for one of the three streams – Science, Arts or Commerce in ratio 3 : 1 : 2 respectively. Find the difference between number of students who opted for Science and those who opted for Arts out of the promoted students.

(1) 15 (2) 13 (3) 12 (4) 10

72. The ratio of magnitude of curved surface area to the volume of cylinder is 1 : 7 and the ratio of diameter of the base to the height of cylinder is 4 : 3. Find total surface area of cylinder (in cm^2) ?

(1) 3100
(2) 3000
(3) 3180
(4) 3080

73. A container contains mixture of milk and water in the ratio 7 : x. If 20 litre of water is added to mixture then ratio of milk to water becomes 7 : 15 and if 10 litres of water is added then ratio of milk to water becomes 14 : 25. Find initial quantity of milk in the mixture :

(1) 42 L
(2) 28 L
(3) 35 L
(4) 21 L

74. A can do a work in x days and B can complete the same work in (x + 4) day. If A is 25% more efficient than B, then find the time in which A and B together can complete the whole work working alternatively on each day starting from A :

(1) $17\frac{3}{4}$ days
(2) $12\frac{2}{5}$ days
(3) $15\frac{2}{3}$ days
(4) $20\frac{2}{3}$ days

75. A bag contains 2 red, 3 green and 2 blue balls. Two balls are drawn at random. What is the probability that none of the balls drawn is blue ?

(1) 10/21
(2) 11/21
(3) 2/7
(4) 5/7

76. I hurt my knee quite badly so ....

(1) I had to go to hospital
(2) I did not have the right running shoes
(3) I did not have the bandage
(4) It was bleeding profusely

77. I did not work hard at school. Consequently ....

(1) I did well at university

(2) I failed most of my exams

(3) I did not work hard in college

(4) I was good at mathematics

78. I am scared .... making a fool of myself when I give the presentation.

(1) for

(2) to

(3) of

(4) by

79. There are many things .... with our society today.

(1) bad

(2) wrong

(3) disturbing

(4) inappropriate

80. The word neatest in meaning to ESOTERIC is .... :

(1) mysterious

(2) hidden

(3) profound

(4) common

81. Antonym of DEBAUCHERY is ....

(1) virtue

(2) sensuality

(3) binge

(4) lewd

82. I did not work hard at school. Consequently.................. .

(1) I did well at university

(2) I failed most of my exams

(3) I did not work hard in college

(4) I was good at mathematics

83. Synonym of CONFOUND is ………………. .

(1) confuse (2) enlighten

(3) explain (4) muddy

84. The nearest meaning of the phrase *'to get one's back up'* is ………………. .

(1) to rouse one's anger (2) back pain

(3) to rise and sit upright (4) to motivate

85. In spite of the fact that learning to speak a foreign language requires a lot of time and effort, ………………. .

(1) many people give up after a short time

(2) many people manage it successfully

(3) people take training

(4) many people learn it later

86. Word nearest in meaning to PARODY is ………………. .

(1) imitation (2) flattery

(3) praise (4) ridicule

87. ………………. I agree that he is attractive, I think he is not beautiful.

(1) while (2) even though

(3) because (4) assuming that

88. The nearest meaning of the phrase *'to rain cats and dogs'* is ………………. .

(1) to rain non-stop (2) heavy rain

(3) fight among cats and dogs (4) drizzling

89. The ***correct*** option for use of 'the' is ....

(1) the Mount Everest
(2) the Himalayas
(3) the oxford road
(4) the central park

90. One way to improve your health is to eat more fruit and vegetables. Alternatively ....

(1) you could increase risk of your heart disease
(2) you could exercise more
(3) you could fall ill
(4) you could go on diet

91. Synonym of TANGIBLE is ....

(1) concrete
(2) actual
(3) sensible
(4) abstract

92. He .... me deny the truth.

(1) dared
(2) asked
(3) challenged
(4) told

93. Technology that is obsolete is ....

(1) very new
(2) no longer useful
(3) modern
(4) expensive

94. The word that does not belong to the same meaning group as the word TITTER is ....

(1) whisper
(2) giggle
(3) snigger
(4) chuckle

95. The word that does not belong to the same meaning group as the word STROLL is ....

(1) walk
(2) tumble
(3) amble
(4) pace

96. The coffee is very weak. I like it a bit ....

(1) weaker
(2) stronger
(3) colder
(4) strong

97. We met a lot of interesting people .... our holiday.

(1) while
(2) during
(3) in
(4) after

98. It was very hot yesterday, but today it is ....

(1) hotter
(2) even hotter
(3) colder
(4) hot

99. One who loves books is known as ....

(1) bibliophile
(2) intellectual
(3) scholar
(4) reader

100. Do not wait for me. I do not want to ....

(1) hold up you
(2) hold you up
(3) wait
(4) come up

SEAL

Total No. of Printed Pages : 21

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU ARE ASKED TO DO SO)

D

SET-X

PG-EE-June, 2023

SUBJECT : MBA/MTTM/MHMCT

11100

Sr. No. ....

Time : **1¼ Hours** Max. Marks : **100** Total Questions : **100**

Roll No. (in figures)________________ (in words) ______________________________

Name ______________________________ Date of Birth______________________________

Father's Name ______________________ Mother's Name______________________________

Date of Examination ______________________

____
(Signature of the Candidate)

____
(Signature of the Invigilator)

SEAL

CANDIDATES MUST READ THE FOLLOWING INFORMATION/INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

1. ***All questions are compulsory.***
2. The candidates ***must return*** the question booklet as well as OMR Answer-Sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfair-means / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
3. Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
4. Question Booklet along with answer key of all the A, B, C & D code shall be got uploaded on the University Website immediately after the conduct of Entrance Examination. Candidates may raise valid objection/complaint if any, with regard to discrepancy in the question booklet/answer key within 24 hours of uploading the same on the University Website. The complaint be sent by the students to the Controller of Examinations by hand or through email. Thereafter, no complaint in any case, will be considered.
5. The candidate ***must not*** do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question booklet itself. Answers ***must not*** be ticked in the question booklet.
6. ***There will be no negative marking. Each correct answer will be awarded one full mark. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.***
7. Use only **Black** or **Blue Ball Point Pen** of good quality in the OMR Answer-Sheet.
8. *Before answering the questions, the candidates should ensure that they have been supplied correct and complete booklet. Complaints, if any, regarding misprinting etc. will not be entertained* ***30*** *minutes after starting of the examination.*

1. The average of four consecutive even numbers is 29. Find the largest of these numbers.

(1) 38
(2) 36
(3) 34
(4) 32

2. If 391 bananas were distributed amongst 3 monkeys in the ratio of 1/2 : 2/3 : 3/4. How many bananas did the first monkey get ?

(1) 102
(2) 112
(3) 108
(4) 104

3. There are five vessels, with equal capacities, each containing some milk. The quantities of milk in the 5 vessels are in the ratio 4 : 5 : 6 : 7 : 8. The total quantity of milk in the 5 vessels is equal to the 75% of the total capacity of the 5 vessels. How many of the vessels are at least 64% full of milk ?

(1) 1
(2) 4
(3) 3
(4) 2

4. A and B can do a work in 12 days. B and C in 15 days and C and A in 20 days. If A, B and C work together, how many days will they take to complete the work ?

(1) 5 days
(2) 10 days
(3) 7.5 days
(4) 15.25 days

5. Average cost of 5 oranges and 4 bananas is Rs. 36. The average cost of 7 oranges and 8 bananas is Rs. 48. Find the total cost of 24 oranges and 24 bananas.

(1) 1044
(2) 168
(3) 2088
(4) 324

6. The average age of a group of 20 women, of whom the youngest is 32 and the eldest is 56, is 49 years. If two women with ages 45 years and 50 years leave the group and three women join the group, the average remains unchanged. What is the average age of the three women who joined the group later ?

(1) 32
(2) 45
(3) 38
(4) 48

7. A reduction of 20% in the price of wheat enables Soni to buy 5 kg more wheat for Rs. 320. The original rate in (Rs. Per kg) of wheat was :

(1) 16
(2) 18
(3) 20
(4) 21

8. On a certain date, Pakistan has a success rate of 60% against India in all ODIs played between the two countries. They lost the next 30 ODIs in a row to India and their success rate comes down to 30%. The total number of ODIs played between the 2 countries is :

(1) 50
(2) 60
(3) 45
(4) 50

9. Six children, three girls and three boys, go for a picnic. The three girls are Shreya, Mrinal and Minu. The three boys are Amar, Sameer and Anwar. On their way, a person asks them their ages. All except Sameer give some information about their ages. Amar says "I am half as old as Sameer and two-thirds as old as Mrinal". Shreya says "My age is three-fifths the sum of the ages of Amar and Minu. Mrinal says "I am six years older than Shreya". Minu says "the sum of the ages of Anwar, Mrinal and Shreya is equal to that of sum of the ages of Amar, Sameer and myself, Anwar says "I am 20 years old".

Who is youngest in the group ?

(1) Mrinal
(2) Anwar
(3) Minu
(4) Shreya

10. There were three partners, A, B, C in a business, and each had a share of the profits in proportion to his capital. A's capital was Rs. 240; B's Rs. 640; and A' share was Rs. 15 in every Rs.100. Find B's share of profits and C's capital.

(1) Rs. 40 in every Rs. 100; Rs. 720

(2) Rs. 20 in every Rs. 100; Rs. 800

(3) Rs. 45 in every Rs. 100; Rs. 900

(4) Rs. 35 in every Rs. 100; Rs. 700

11. A financier claims to be lending money at simple interest, but he includes the interest every six months for calculating the principal. If he is charging an interest of 10%, the effective rate of interest becomes :

(1) 9.5% (2) 10.25%

(3) 10.5% (4) 10.75%

12. P lives at A and Q lives at B. P usually goes to meet Q at B. He covers the distance in 3 hours at 150 km/h. On a particular day Q started moving away from P, while P was moving towards B. Thus P took total 5 hours to meet Q. What is the ratio of speeds of P & Q ?

(1) 8 : 5 (2) 4 : 3

(3) 3 : 2 (4) 5 : 2

13. A wrist watch which is running 12 minutes late on a Sunday noon is 16 minutes ahead of the correct time at 12 noon on the next Sunday. When is the clock 8 minutes ahead of time ?

(1) Thursday 10 AM

(2) Friday 8 PM

(3) Friday noon

(4) Tuesday noon

14. Ramu manufactures ceramic cups. On any day he manufactures as many cups as the cost to make per cup. Everyday Ramu sells all of his cups at a profit of Rs. 10 per cup. If at the end of the day he makes a profit of 5%, then how much profit did he make by the end of every day ?

(1) 1000	(2) 1200
(3) 1500	(4) 2000

15. Surface area of a hollow cylinder with, radius and height is measured by :

(1) $2\pi rh$	(2) $2\pi r$
(3) πrh	(4) $2\pi r - h$

16. Polygon's exterior angles sum up to ....

(1) 120°	(2) 360°
(3) 720°	(4) None of these

17. In the following question, two equations are given. You have to solve them and mark one of the following as answers :

I. $X^2 + 17X + 72 = 0$

II. $Y^2 + 15Y + 56 = 0$

(1) $X > Y$	(2) $X < Y$
(3) $X \geq Y$	(4) $X \leq Y$

18. Find the linear equation in two variables which form a system of equations with $x - 2y = 3$ that has infinitely many solutions :

(1) $2x - 4y = 9$

(2) $4x - 8y = 12$

(3) $3x - 4y = 9$

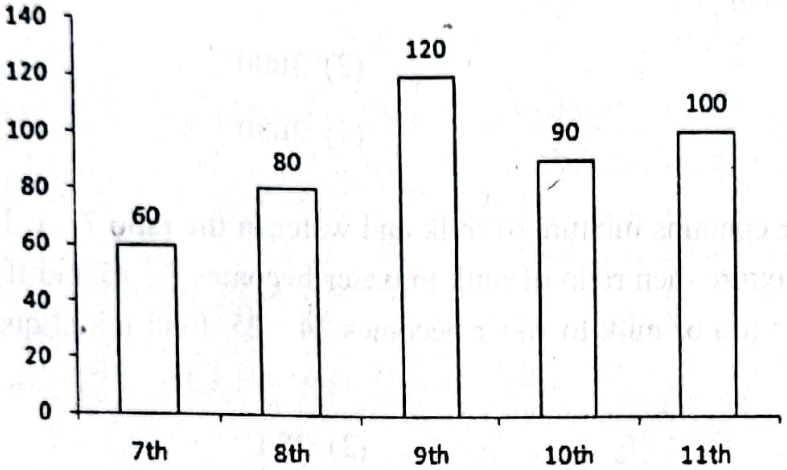
(4) None of the above

19. A company CEO invited nine persons for a business meeting, where the host will be seated at a circular table. How many different arrangements are possible if two invitees X and Y be seated on either side of the host CEO ?

(1) 10080
(2) 10800
(3) 9200
(4) 4600

Directions (Question 20 & 21) : Use the below data to answer the questions.

The bar graph given below shows the total number of students before promotion in different classes of a school and the table shows the percentage of students in each class who are promoted to the next higher class.



Class	Percentage
7th	$66\frac{2}{3}$
8th	25
9th	80
10th	$33\frac{1}{3}$
11th	...

20. If 20% of students of class 7th are demoted to class 6th, then find the ratio of no. of students who remain in class 7th to the number of students who get promoted to class 11th. (Note : no student from class 7th leaves the school) :

(1) 2 : 15
(2) 4 : 15
(3) 1 : 5
(4) 1 : 3

21. The students who get promoted to class 11th go for one of the three streams – Science, Arts or Commerce in ratio 3 : 1 : 2 respectively. Find the difference between number of students who opted for Science and those who opted for Arts out of the promoted students.

(1) 15 (2) 13

(3) 12 (4) 10

22. The ratio of magnitude of curved surface area to the volume of cylinder is 1 : 7 and the ratio of diameter of the base to the height of cylinder is 4 : 3. Find total surface area of cylinder (in cm^2) ?

(1) 3100 (2) 3000

(3) 3180 (4) 3080

23. A container contains mixture of milk and water in the ratio 7 : x. If 20 litre of water is added to mixture then ratio of milk to water becomes 7 : 15 and if 10 litres of water is added then ratio of milk to water becomes 14 : 25. Find initial quantity of milk in the mixture :

(1) 42 L (2) 28 L

(3) 35 L (4) 21 L

24. A can do a work in x days and B can complete the same work in (x + 4) day. If A is 25% more efficient than B, then find the time in which A and B together can complete the whole work working alternatively on each day starting from A :

(1) $17\frac{3}{4}$ days (2) $12\frac{2}{5}$ days

(3) $15\frac{2}{3}$ days (4) $20\frac{2}{3}$ days

25. A bag contains 2 red, 3 green and 2 blue balls. Two balls are drawn at random. What is the probability that none of the balls drawn is blue ?

(1) 10/21 (2) 11/21

(3) 2/7 (4) 5/7

26. Which city is the host of the W20 Inception Meeting under India's G-20 Presidency ?

(1) Chennai
(2) Kochi
(3) Aurangabad
(4) Bhubaneswar

27. Gyalsung Infra Project, to which India provided a grant of Rs. 2 billion, is associated with which country ?

(1) Sri Lanka
(2) Nepal
(3) Bhutan
(4) Myanmar

28. The 'Ayushman Bharat Digital Mission' was launched in which year ?

(1) 2016
(2) 2018
(3) 2019
(4) 2021

29. Which institution releases the 'Methane Global Tracker Report' ?

(1) UNEP
(2) IEA
(3) UNFCCC
(4) World Bank

30. 'Harbinger 2021' is the global hackathon organised by which institution ?

(1) SEBI
(2) Niti Aayog
(3) RBI
(4) Indian Army

31. What is the GDP Growth projection for India in FY23, as per OECD's recent report (June, 2022) ?

(1) 8.2%
(2) 7.5%
(3) 7.2%
(4) 6.9%

32. Which institution/ department notifies cost inflation index (CII) every year ?

(1) Reserve Bank of India

(2) Central Board of Direct Taxes

(3) National Statistical Office

(4) Department of Economic Affairs

33. The Indian to beat the computers in mathematical wizardry is :

(1) Ramanujam (2) Rina Panigrahi

(3) Raja Ramanna (4) Shakunthala Devi

34. Jude Felix is a famous Indian player in which of the fields ?

(1) Volleyball (2) Tennis

(3) Football (4) Hockey

35. Indian Council for Cultural Relations (ICCR) partnered with which technology company to promote Sanskrit ?

(1) Microsoft (2) Meta

(3) Twitter (4) Google

36. The International Film Festival of India (IFFI) 2022 is celebrating 50 years of which language cinema ?

(1) Gujarati (2) Urdu

(3) Manipuri (4) Bengali

37. In which of the following North Eastern states of India inhabit the Nishi tribe ?

(1) Meghalaya (2) Arunachal Pradesh

(3) Nagaland (4) Manipur

38. How many metropolitan cities are there in India ?

(1) 8
(2) 9
(3) 13
(4) 23

39. Arrange the following hill stations as per the descending order of their height :

(a) Mussoorie
(b) Araku-Valley
(c) Pachmarhi
(d) Gulmarg

Choose the ***correct*** option from the codes given below :

(1) d, c, a, b
(2) d, b, a, c
(3) a, b, d, c
(4) d, a, c, b

40. Which of the following states is ***not*** included in the sixth schedule of Indian Constitution ?

(1) Meghalaya
(2) Tripura
(3) Mizoram
(4) Manipur

41. Which among the following articles helped the Madarsas in India to remain out of purview of the Right to Education Act ?

(1) Article 26
(2) Article 27
(3) Article 28
(4) Article 30

42. The correct term among the mentioned revolutions that properly corresponds to 'fertilizers' is ?

(1) Silver Revolution
(2) The Grey Revolution
(3) Golden Revolution
(4) Pink Revolution

43. Which among the below mentioned can be stated as the primary goal of ATAL incubators ?

(1) To encourage creativity

(2) To instil and grow the sense of entrepreneurship

(3) To develop industries

(4) To enhance product development and quality

44. Ten-rupee note contains the signature of :

(1) Finance Secretary, Government of India

(2) Chairman, Reserve Bank of India

(3) Finance Minister, Government of India

(4) Governor, Reserve Bank of India

45. Modvat is :

(1) Modified value added

(2) A term used in excise which is a new scheme of indirect taxes

(3) Scheme which allows a manufacturer to claim instant reimbursement of the excise duty paid on the raw materials used for the production of the final goods

(4) All of the above

46. What is another word for 'precarious' ?

(1) Secure (2) Exalted

(3) Uncertain (4) Important

47. What is the synonym of the word 'Parochial' ?

(1) Abstract (2) Unorthodox

(3) Baffling (4) Conservative

48. Harild Pinter was awarded the Noble Prize for Literature in :

(1) 2000 (2) 2002

(3) 2003 (4) 2005

49. Fa Xian began his journey back home from which of the following Indian State :

(1) Bihar (2) Maharashtra

(3) Bengal (4) Odisha

50. The year 1856 as significant in the history of Indian Society because of :

(1) Hindu Widow Remarriage Act was passed.

(2) An Act against Female Infanticide was passed.

(3) An Act against Sati System was passed.

(4) An Act against Witch Hunting was passed.

51. I hurt my knee quite badly so ....

(1) I had to go to hospital

(2) I did not have the right running shoes

(3) I did not have the bandage

(4) It was bleeding profusely

52. I did not work hard at school. Consequently ....

(1) I did well at university

(2) I failed most of my exams

(3) I did not work hard in college

(4) I was good at mathematics

53. I am scared .... making a fool of myself when I give the presentation.

(1) for (2) to

(3) of (4) by

54. There are many things .... with our society today.

(1) bad (2) wrong

(3) disturbing (4) inappropriate

55. The word neatest in meaning to ESOTERIC is ....

(1) mysterious (2) hidden

(3) profound (4) common

56. Antonym of DEBAUCHERY is ....

(1) virtue (2) sensuality

(3) binge (4) lewd

57. I did not work hard at school. Consequently.................. .

(1) I did well at university

(2) I failed most of my exams

(3) I did not work hard in college

(4) I was good at mathematics

58. Synonym of CONFOUND is ....

(1) confuse (2) enlighten

(3) explain (4) muddy

59. The nearest meaning of the phrase *'to get one's back up'* is ....

(1) to rouse one's anger
(2) back pain
(3) to rise and sit upright
(4) to motivate

60. In spite of the fact that learning to speak a foreign language requires a lot of time and effort, ...

(1) many people give up after a short time
(2) many people manage it successfully
(3) people take training
(4) many people learn it later

61. Word nearest in meaning to PARODY is ....

(1) imitation
(2) flattery
(3) praise
(4) ridicule

62. .... I agree that he is attractive, I think he is not beautiful.

(1) while
(2) even though
(3) because
(4) assuming that

63. The nearest meaning of the phrase *'to rain cats and dogs'* is ....

(1) to rain non-stop
(2) heavy rain
(3) fight among cats and dogs
(4) drizzling

64. The ***correct*** option for use of 'the' is ....

(1) the Mount Everest
(2) the Himalayas
(3) the oxford road
(4) the central park

65. One way to improve your health is to eat more fruit and vegetables. Alternatively ....

(1) you could increase risk of your heart disease

(2) you could exercise more

(3) you could fall ill

(4) you could go on diet

66. Synonym of TANGIBLE is ....

(1) concrete

(2) actual

(3) sensible

(4) abstract

67. He .... me deny the truth.

(1) dared

(2) asked

(3) challenged

(4) told

68. Technology that is obsolete is ....

(1) very new

(2) no longer useful

(3) modern

(4) expensive

69. The word that does not belong to the same meaning group as the word TITTER is ....

(1) whisper

(2) giggle

(3) snigger

(4) chuckle

70. The word that does not belong to the same meaning group as the word STROLL is ....

(1) walk

(2) tumble

(3) amble

(4) pace

71. The coffee is very weak. I like it a bit ....

(1) weaker
(2) stronger
(3) colder
(4) strong

72. We met a lot of interesting people .... our holiday.

(1) while
(2) during
(3) in
(4) after

73. It was very hot yesterday, but today it is ....

(1) hotter
(2) even hotter
(3) colder
(4) hot

74. One who loves books is known as ....

(1) bibliophile
(2) intellectual
(3) scholar
(4) reader

75. Do not wait for me. I do not want to ....

(1) hold up you
(2) hold you up
(3) wait
(4) come up

76. In a code language, BLEND is written as ENHPG. How will WINNER be written in the same language ?

(1) ZKQPHT
(2) ZKQPHU
(3) YKQPHT
(4) ZKOPHT

77. A, B, C, D, E, F and G are members of a sports club and have liking for different games, viz Carrom, Table Tennis, Badminton, Bridge, Hockey, Football and Lawn Tennis but not necessarily in the same order. Each one of them has a liking for different musical instruments, viz. Sitar, Guitar, Harmonium, Flute, Tabla, Banjo and Santoor, not necessarily in the same order. B likes Carrom and Banjo. E likes to play Bridge but not Harmonium or Tabla. The one who plays Hockey plays Sitar. F plays Guitar but not Table Tennis or Lawn Tennis. A plays badminton and Flute. The one who plays Lawn Tennis does not play Tabla. C plays Harmonium and G plays Hockey. D plays which game ?

(1) Table Tennis
(2) Lawn Tennis
(3) Football
(4) Can't be determined

78. If * stands for 'addition', / stands for 'subtraction', + stands for 'multiplication', and – stands for 'division', then 20 * 8 / 8 – 4 + 2 = ?

(1) 80
(2) 25
(3) 24
(4) 5

79. Insert the missing number in the series : 5, 17, 14, 26, 23, 35, 32, ...

(1) 34
(2) 44
(3) 54
(4) 35

80. A man walked 20 m from a point towards east, then turned right and walked 15 m. Again, he turned right and walked 8 m. Once again, he turned right and walked 6 m. his distance now from starting point is :

(1) 9 m
(2) 11 m
(3) 12 m
(4) 15 m

81. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl ?

(1) Brother
(2) Nephew
(3) Son-in-law
(4) Uncle

82. On a bench, A, B, C, D and E are seated. A is seated next to B, C is seated next to D, and D is not seated near to E, who is seated on the bench's left end. C is in the second from the right position. B and E are to the right of A. A and C are seated next to one other. What is A's sitting position ?

(1) Between B and D
(2) Between B and C
(3) Between E and D
(4) Between C and D

83. Rank of Sujay is 15th from the bottom in a group of 25 students. Find his rank from below if 3 new students will be added to the top of the list.

(1) 14
(2) 11
(3) 12
(4) 13

84. Insect : Disease : : War : ?

(1) Army
(2) Defeat
(3) Arsenal
(4) Destruction

85. **Statements :**

I. Importance of Yoga and exercise is being realized by all sections of the society.

II. There is an increasing awareness about health in the society particularly among middle age group of people.

(1) Statement I is the cause and statement II is its effect
(2) Statement II is the cause and statement I is its effect
(3) Both the statements I and II are independent causes
(4) Both the statements I and II are effects of independent causes

86. Find the odd number from the given alternatives :

(1) 626
(2) 841
(3) 962
(4) 1090

87. **Statement :** Ahimsa should be a basic principle of human beings. All of us should practice Ahimsa.

Conclusion I : We all know the real meaning of Ahimsa.

Conclusion II : Ahimsa promotes global harmony.

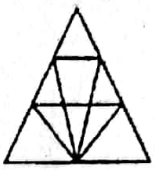
(1) Only conclusion I follows

(2) Only conclusion II follows

(3) Both the conclusions follow

(4) Neither the conclusion I nor conclusion II follows

88. Find the number of triangles in the given figure :



(1) 12
(2) 18

(3) 22
(4) 26

89. 4832, 5840, 6848, 7856, ?

(1) 8626
(2) 8765

(3) 8864
(4) 8432

90. If P denotes +, Q denotes ×, R denotes / and S denotes –, then 18 Q 12 P 4 R 5 S 6 = ?

(1) 59
(2) 65

(3) 53
(4) 36

91. Find the one which does not belong to that group ?

(1) 27
(2) 37

(3) 47
(4) 67

92. Man : Biography : : Nation : ?

(1) Leader

(2) People

(3) Geography

(4) History

93. Two buses start from the opposite points of a main road, 150 kms apart. The first bus runs for 25 kms and takes a right turn and then runs for 15 kms. It then turns left and runs for another 25 kms and takes the direction back to reach the main road. In the meantime, due to a minor breakdown, the other bus run only 35 kms along the main road. What would be the distance between the buses at this point ?

(1) 65 kms

(2) 75 kms

(3) 85 kms

(4) 95 kms

94. **Statement :** Anger is energy, in a more proactive way and how to channelize it is in itself a skill.

Assumptions :

I. Anger needs to be channelized.

II. Only skillful people can channelize anger to energy.

(1) Only assumption I is implicit.

(2) Only assumption II is implicit.

(3) Either I or II is implicit.

(4) Neither I nor II is implicit.

95. Should the institute conduct classes in remote villages ?

Arguments :

I. Yes, this will help those students who belong to villages and cannot visit urban areas for studies.

II. No, this is not an economically viable proposal, as the number of students who attend such classes cannot contribute to break-even.

(1) Only argument I is strong

(2) Only argument II is strong

(3) Neither I nor II is strong

(4) Both I and II are strong

96. A man said to a lady, "Your mother's husband's sister is my aunt." How is the lady related to the man ?

(1) Daughter
(2) Mother
(3) Sister
(4) Grand Daughter

97. Sanjeev ranks seventh from the top and twenty-eight from the bottom in a class. How many students are there in the class ?

(1) 34
(2) 37
(3) 35
(4) 36

98. Which option is right chronology: 1. Birth 2. Death 3. Funeral 4. Marriage 5. Education ?

(1) 4, 5, 3, 1, 2
(2) 2, 3, 4, 5, 1
(3) 1, 5, 4, 2, 3
(4) 1, 3, 4, 5, 2

99. 196 : 256 : : 324 :

(1) 361
(2) 400
(3) 484
(4) 529

100. A watch reads 4.30 PM. If the minute hand points East, in what direction will the hour hand point ?

(1) North-West
(2) North-East
(3) South-West
(4) South-East

SEAL

Date 26/6/2023 Time of Exam: 12:30pm to 1:45pm

ANSWER KEYS OF MBA/MTTM/MHMCT 2 YEAR COURSE FOR SESSION 2023-24				
Q. NO.	**A**	**B**	**C**	**D**
1	1	1	3	4
2	2	1	3	1
3	3	3	4	3
4	2	2	2	2
5	1	4	3	3
6	1	1	4	4
7	1	2	2	1
8	1	3	4	2
9	1	4	4	3
10	1	2	4	1
11	1	2	3	2
12	1	4	2	4
13	1	2	4	3
14	2	3	4	4
15	2	3	4	1
16	1	1	4	2
17	1	4	2	4
18	2	1	2	2
19	1	2	4	1
20	2	4	4	2
21	2	3	3	4
22	2	1	4	4
23	2	3	4	2
24	1	2	3	1
25	2	2	1	1
26	4	1	1	3
27	1	2	1	3
28	3	3	3	4
29	2	2	2	2
30	3	1	4	3
31	4	1	1	4
32	1	1	2	2
33	2	1	3	4
34	3	1	4	4
35	1	1	2	4
36	2	1	2	3
37	4	1	4	2
38	3	1	2	4
39	4	2	3	4
40	1	2	3	4
41	2	1	1	4
42	4	1	4	2
43	2	2	1	2
44	1	1	2	4
45	2	2	4	4
46	4	2	3	3
47	4	2	1	4
48	2	2	3	4
49	1	1	2	3
50	1	2	2	1

26/6/23

26/06/23

26/6/23

26/6/2023

Date 26/06/2023 Time of exam. 12:30PM–1:45PM

ANSWER KEYS OF MBA/MTTM/MHMCT 2 YEAR COURSE FOR SESSION 2023-24

Q. NO.	A	B	C	D
51	1	3	4	1
52	1	3	1	2
53	3	4	3	3
54	2	2	2	2
55	4	3	3	1
56	1	4	4	1
57	2	2	1	1
58	3	4	2	1
59	4	4	3	1
60	2	4	1	1
61	2	3	2	1
62	4	2	4	1
63	2	4	3	1
64	3	4	4	2
65	3	4	1	2
66	1	4	2	1
67	4	2	4	1
68	1	2	2	2
69	2	4	1	1
70	4	4	2	2
71	3	3	4	2
72	1	4	4	2
73	3	4	2	2
74	2	3	1	1
75	2	1	1	2
76	3	4	1	1
77	3	1	2	1
78	4	3	3	3
79	2	2	2	2
80	3	3	1	4
81	4	4	1	1
82	2	1	1	2
83	4	2	1	3
84	4	3	1	4
85	4	1	1	2
86	3	2	1	2
87	2	4	1	4
88	4	3	1	2
89	4	4	2	3
90	4	1	2	3
91	4	2	1	1
92	2	4	1	4
93	2	2	2	1
94	4	1	1	2
95	4	2	2	4
96	3	4	2	3
97	4	4	2	1
98	4	2	2	3
99	3	1	1	2
100	1	1	2	2

26/6/23 26/06/23 26/6/23 26/6/2023