MBA (Executive) Entrance Test - 2015

Important: *Please consult your Admit Card/Roll No. slip before filling your Roll Number on the Test Booklet and Answer Sheet.*

Roll No.   ***In Figure***   ***In Words***

O.M.R. Answer Sheet Serial No.

Signature of Candidate: _____   *Signature of Invigilator:* _____

Time: 2 Hours   **Number of Questions: 100**

DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO.

INSTRUCTIONS:

1. Write your Roll No. on the Questions Booklet and also on the OMR Answer Sheet in the space provided and nowhere else.
2. Enter the Question Booklet Serial No. on the OMR Answer Sheet. Darken the corresponding bubbles with **Black Ball Point/Black Gel Pen**.
3. Do not make any identification mark on the Answer Sheet or Question Booklet.
4. Please check that this Question Booklet contains 100 Questions. In case of any discrepancy, inform the Assistant Superintendent within 10 minutes of the start of Test.
5. Each question has four alternative answer (A,B,C,D) of which only one is correct. For each question, darken only one bubble (A or B or C or D), whichever you think is the correct answer, on the Answer Sheet with **Black Ball Point/Black Gel Pen. There shall be no negative marking.**
6. If you do not want to answer a question, leave all the bubbles corresponding to that question blank in the Answer Booklet. No marks will be deducted in such cases.
7. Darken the bubbles in the OMR Answer Sheet according to the Serial No. of the question given in the Question Booklet.
8. If you want to change an already marked answer, erase the shade in the darkened bubble completely.
9. For rough work only the blank sheet at the end of the Question Booklet be used.
10. The Answer Sheet is designed for computer evaluation. Therefore, if you do not follow the instructions given on the Answer Sheet, it may make evaluation by the computer difficult. **Any resultant loss to the candidate on the above account, i.e. not following the instructions completely, shall be of the candidate only.**
11. After the test, hand over the Question Booklet and the Answer Sheet to the Assistant Superintendent on duty.
12. In no case the Answer Sheet, the Question Booklet, or its part or any material copied/noted from this Booklet is to be taken out of the examination hall. Any candidate found doing so would be expelled from the examination.
13. A candidate who creates disturbance of any kind or changes his/her seat or is found in possession of any paper possibly of any assistant or found giving or receiving assistant or found using any other unfair means during the examination will be expelled from the examination by the Centre Superintendent/Observer whose decision shall be final.
14. **Communication equipment such as mobile phones, pager, wireless set, scanner, camera or any electronic/digital gadget etc., is not permitted inside the examination hall. Use of calculators is not allowed.**
15. The candidates will not be allowed to leave the Examination Hall/Room before the expiry of half of the allotted time.

Component I: Data Interpretation and Problem Solving:

Directions for **questions 1-2.** Read the following passage and answer the questions.

The growth of the hotel industry is driven by the increase in the number of people using hotels and the increase in per person use of the hotel. In 2015 it is expected that there will be 200 million hotel users in India or about 20% of the population will generate Rs 50 billion in hotel revenues. Industry revenues should expand from Rs 50 billion to Rs 150 billion by 2018, while the number of users should grow to over 560 millions or to about half the population of India in the same period.
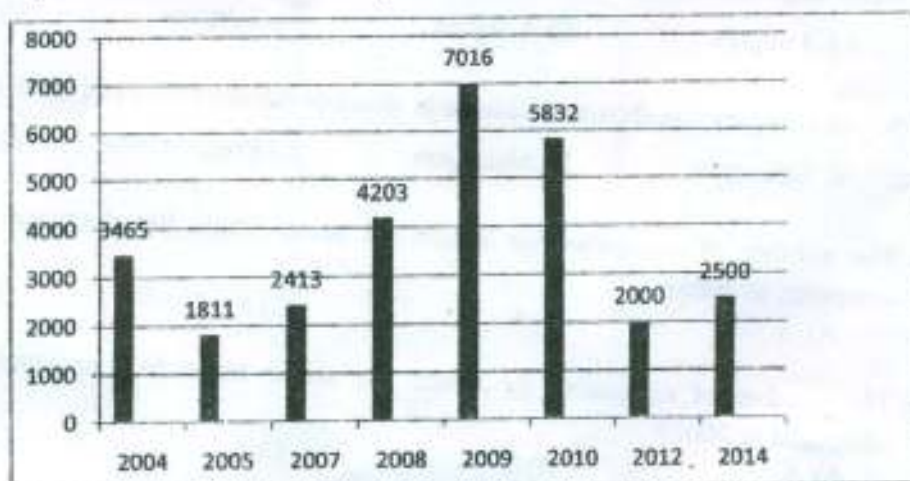
1. What is the estimated population of India in 2015?

   A) 98 crore   B) 100 crore   C) 110 crore   D) 115 crore

2. What will be the growth in percentage of users in India by 2018?

   A) 100%   B) 150%   C) 180%   D) 200%

Directions for **questions:3-4.** Answer on the basis of the following table showing rice production by 5 different states in Lakh Tonnes in five years.

States	Year 2006	Year 2007	Year 2008	Year 2009	Year 2010
A	9	10.7	8.9	11.6	8.4
B	14.5	16.3	16.2	16.4	16.8
C	14.9	15.7	16.8	16.9	17.8
D	7.6	8.4	7.4	7.9	8.6
E	21	22.6	23.2	22.2	23.9

3. In 2008 which state contributed close to one-eighth of the total production of all the five states

   A) A   B) B   C) C   D) D

4. In which state the production in 2009 showed the highest increase over that in 2006.

   A) A   B) B   C) C   D) D

Directions for **questions 5- 6:** Answer on the basis of the bar chart given below giving the sugar import in thousand tonnes for years 2004 to 2014.

5. What is the ratio of the years which have above average imports to those which have below average imports?

    A) 3:8   B) 8:3   C) 3:5   D) 5:3

6. The imports in 2010 were approximately how many times to that of 2005?

    A) 3.22   B) 2.41   C) 1.68   D) 0.31

Directions for **questions 7-15:** Answer on the basis of the table given below

Category of Personnel	Number of staff in 2005	Number of staff in 2015
Data preparation	18	25
Data control	5	8
Operators	18	32
Programmers	21	36
Analysts	15	31
Managers	3	3
Total	80	135

7. What is the ratio of the number of programmers to managers in 2005?

    A) 12   B) 1.2   C) 0.12   D) 1/12

8. Which category has shown the largest increase in relative strength?

    A) Managers   B) Analysts   C) Operators   D) Programmers

9. If pie charts were to be drawn for the different categories, what would be the angle subtended by Analysts sector for the year 2005?

    A) 30 degree   B) 45 degree   C) 67 ½ degree   D) 90 degree

10. In the pie chart for the year 2005, what is the sector angle to represent one person?

    A) 3 degree   B) 4 degree   C) 4 ½ degree   D) 5 degree

11. What is the sector angle for Operators for the year 2005?

    A) 83 degree   B) 85 degree   C) 67 degree   D) 81 degree

12. What is the increase in the sector angle for Operators in the year 2015 over the sector angle in the year 2005?

    A) 4 degree   B) 3 degree   C) 2 degree   D) 1 degree

13. Which category has shown no change in absolute numbers between 2005 and 2015?

    A) Operators   B) Managers   C) Programmers   D) Analysts

14. The number of categories for which the sector angle has decreased in 2015 compared to 2005?

    A) 3   B) 4   C) 5   D) 6

15. The number of categories for which the sector angle has increased in 2015 compared to 2005?

    A) 6   B) 5   C) 4   D) 3

Directions for **questions 16-20.** Answer the questions on the basis of following table giving enrolment in colleges in the year 2001

Enrolment	Number of colleges
20-39	526
40-59	620
60-79	674
80-99	717
100-119	681
120-139	612
140-159	540
160-179	517
180-199	522
total	5409

16. What is the approximate percentage of colleges where the enrolment was below 120?

    A) 59.5   B) 60.5   C) 58.5   D) 61.5

17. What is the approximate percentage of colleges where the enrolment was above 79 but below 180?

    A) 54.3   B) 56.7   C) 57.5   D) 55.8

18. Under which class the maximum numbers of colleges fall?

    A) 100-119   B) 80-99   C) 60-79   D) None of these

19. What is the approximate percentage of the least number of colleges for the classes of enrolment?

    A) 8   B) 9.5   C) 9   D) 10

20. What is the number of colleges where enrolment is above 99 but below 160?

    A) 2550   B) 2033   C) 1833   D) 1316

Directions for **questions 21-25.** Answer the questions on the basis of the following table

Country	Life expectancy at birth in years	Infant mortality rate/ per thousand births	Adult literacy/ rate percent
India	62.4	71	62
Bangladesh	58.1	81	39
China	69.8	38	83
Indonesia	65.1	45	85
Korea	72.4	6	97
Malaysia	72.0	10	86
Pakistan	64.0	95	41
Phillipines	68.3	32	95

21. India ranks _____ in Adult literacy among the countries listed as per the 2001 data given

    A) Sixth   B) Fifth   C) Third   D) Fourth

(3)

22. Infant mortality rate is highest in

    A) India   B) Pakistan   C) Korea   D) China

23. Life expectancy at birth is highest in

    A) Korea   B) Malyasia   C) India   D) Phillipines

24. Which country has lowest life expectancy?

    A) Bangaldesh   B) Korea   C) China   D) India

25. The difference between highest and lowest mortality rate is

    A) 89   B) 57   C) 39   D) 45

Component- II: Numerical Ability

26. The sum of two numbers is 102 and their difference is 16. Find the product.

    A) 2537   B) 2547   C) 2375   D) 2735

27. The greatest number of three digits which when added to 45 is exactly divisible by 6,8, 12 is

    A) 963   B) 987   C) 984   D) 1077

28. Which of the following fraction is greater than ¼ and less than 5/6?

    A) ½   B) 2/3   C) 4/5   D) 9/10

29. Two trains travel in opposite direction at 32 km/h and 40 km/h and a man sitting in the slower train passes the faster train in 6 seconds. The length of the faster train is

    A) 120m   B) 114m   C) 124m   D) 136m

30. A child climbs a pole 60m in height in such a way that it climbs 6m in 1 second and in every next second it slips 3m. In how much time will the child reach the top of the pole?

    A) 36s   B) 37s   C) 38s   D) 39s

31. Successive discounts of 10% and 10% are equivalent to a single discount of

    A) 18%   B) 19%   C) 20%   D) 21%

32. A man gave land to his four daughters A,B,C,D. He gave them 5 hectares, 12 acres, 1600 sq m and 20 sq hectometre of land respectively. Who got the maximum land?

    A) A   B) B   C) C   D) D

33. By selling a cow for Rs 455/- a man loses 9%. If he sells it for Rs 555/-, what would be his gain or loss percentage?

    A) Gain of 13%   B) Gain of 11%   C) Loss of 11%   D) Loss of 13%

34. Half of 1 percent written as a decimal is

A) 0.005   B) 0.05   C) 0.02   D) 0.2

35. Mangoes, peaches and apples in a shop are in the ratio of 10: 2:3. If there are 120 mangoes, the number of apples in the shop is

A) 36   B) 48   C) 72   D) 30

36. The numerator and denominator of a fraction are in the ratio of 2: 3. If 6 is subtracted from the numerator, the result is a fraction that has a value 2/3 of the original fraction. The numerator of the original fraction is

A) 6   B) 18   C) 27   D) 36

37. It takes 4 people working at equal rates to finish a job in 48 days. How long it will 3 workers take for same job?

A) 64 days   B) 70 days   C) 65 days   D) 66 days

38. Find the area of a regular hexagon whose side measures 9 cm.

A) 320.4 sq cm approx   B) 250.4 sq cm approx
C) 210.4 sq cm approx   D) 220.4 sq cm approx

39. The diameter of a right circular cone is 14 meters and its slant height is 12 meters. Its curved surface is

A) 95 sq meters   B) 418sq meters   C) 505.5 sq meters   D) 264 sq meters

40. A rope is in the form of a square enclosing an area of 22 square cm. If the same rope is bent into a circle the area of circle is

A) 29 cm square   B) 22 cm square   C) 28 cm square   D) 30 cm square

41. If 30% loss on selling an article makes the trader to suffer a loss of Rs 45, then the selling price of the article is

A) 105   B) 501   C) 95   D) 507

42. At 5% simple interest, a sum of Rs 500 fetches Rs 36 more than the amount of interest accrued on Rs 380 for the same period and rate. Find the time.

A) 9 years   B) 7 years   C) 6 years   D) 8 years

43. A sum of money doubles itself in 7 years. In how many years it becomes four fold?

A) 10 years   B) 35 years   C) 14 years   D) 21 years

44. The distance covered by a car moving at 20 meters per second for 3 hours is

A) 126 km   B) 162 km   C) 621 km   D) 216 km

45. The speed of a boat in still water is 15 km/h and the rate of current is 13 km/h. The distance travelled downstream in 15 minutes is

A) 7 km   B) 6km   C) 8km   D) 5km

(5)

46. What least number must be added to 49123 to get a number exactly divisible by 263?

    A) 56   B) 57   C) 58   D) 59

47. A man sold half of his land. He gave half of the remaining portion to his son and $1/3^{rd}$ of the remaining to his daughter. What fraction of his land is left with him?

    A) 1/8   B) 1/6   C) 1/12   D) 1/7

48. If 0.9555 is divided by 2.73, the answer is

    A) 0.035   B) 0.35   C) 3.05   D) 0.0035

49. By what number should -135 be divided to obtain 9?

    A) -15   B) +15   C) -35   D) +35

50. The distance between two consecutive numbers remains

    A) Same   B) Not the same   C) Either a or b   D) None

Component –III: Verbal Ability/ Reasoning

51. Mark the odd pair of words.

    A) Impertinent: Impudent   B) Importune: Entreat
    C) Irascible: Irritable   D) Incite: Dissuade

52. Abase is to Exalt what Abstruse is to

    A) Hidden   B) Mystic   C) Apparent   D) Vague

53. The sentence- "In some plants like Cactus, adapted to survive in deserts, the stem performs the photosynthesis and leaves are reduced to spines"- implies which of the following:-

    A) Stem of the cactus is reduced to the spines
    B) Spines of the cactus are in fact leaves
    C) Stem of the cactus is reduced to leaves
    D) Leaves of the cactus perform photosynthesis

54. Little Anil slept_____ that he did not hear the first tapping raindrops become a steady down pour. Fill in the blank

    A) So soundly   B) So lightly   C) So nicely   D) So heartily

55. The giraffe's body is not larger than a horse's body. This sentence means that a horse's body is _____ than the giraffe's body

    A) Larger   B) Smaller   C) Smallest   D) Largest

56. Which is the one word for overflowing of the water of a river beyond the normal level

    A) Gush   B) Bleed   C) Flow   D) Flood

57. Six children P, Q, R,S,T and U are sitting in two rows facing North and South.

Q is facing North and is not next to S

S and U are sitting diagonally opposite

R facing South and is sitting next to U

T is facing North—Who is sitting between Q and S?

A) T   B) U   C) R   D)Data inadequate

58. In the above question if T and P interchange their seats, who will be sitting next to U.

A) Q   B) T   C) P   D) R

59. Statement I- Some cats are crows

Statement II- Some crows are hens

Conclusion I- Some cats are hens

Conclusion II- Some hens are cats

A) Only conclusion I follows

B) Only conclusion II follows

C) Either conclusion I or II follow

D) Neither conclusion I nor II follow

60. Statement – Should 'Health services' be brought under control list like 'Defence'

Argument I- No, 'Heath services' is a state subject and it should remain under state list

Argument II- Yes, this would bring uniformity in 'Health Services' in different states

State whether

A) Only Argument I is strong

B) Only Argument II is strong

C) Both arguments I and II are strong

D) Neither Argument I nor II is strong

61. Statements-Some buses are cars

All cars are trucks

Some rockets are trucks

Conclusions

I. Some trucks are buses

II. Some rockets are buses

III. Some rockets are cars

IV. Some trucks are rockets

A) All follow   B) Only II, III and IV follow

C) Only III and IV follow   D) Only I and IV follow

62. Statement Should mutual funds be brought under strict Govt. Control/

Arguments I : Yes, that is one of the ways to protect the interest of the investors

Argument II : No, strict Govt controls are likely to be counterproductive

A) Only Argument I is strong

B) Only Argument II is strong

C) Both Arguments I and II are strong

D) Neither Argument I nor II is strong

63. Traffic police has been given anti-pollution masks while manning traffic signals

Assumption I: The traffic police will be able to carry out their work after wearing the mask.

Assumption II: The masks are safe for wearing and there will be no adverse side effect.

    A) Only Assumption I is implicit

    B) Only Assumption II is implicit

    C) Both Assumptions I and II are implicit

    D) Neither Assumption I nor II is implicit

64. Wheat is related to CHAFF in the same way as WINE is related to

    A) Dregs   B) Roll   C) Bread   D) Oatmeal

65. Synonyms of Fulminate is

    I Bluster   II Rant   III Rave   IV Prescribe

    A) I,II, III   B) II and IV   C) IV   D) I and IV

66. Penultimate means

    A) Next to last   B) Next to first   C) In the middle   D) The last one

67. The Right to Education Act of India states that every child between the age of six and fourteen shall have a right to free and compulsory education. Which of the following could replace 'compulsory' as used in the sentence

    A) Mandatory   B) Drastic   C) Optional   D) Voluntary

68. Which number will replace the question mark to complete the following series BG, DI, GL,_____, PU

    A) JO   B) IN   C) LQ   D) KP

69. Jikighut means banana tree, Jikiduo means banana peel, Jikikata means banana jelly. What is the word for orange juice.

    A) Ghutdoli   B) Doliduo   C) Dolikata   D) Dolipara

70. Which number will replace the question mark? 2,7,14,23,?, 47

    A) 32   B) 34   C) 36   D) 38

71. A family has 4 members P,Q, R and S. P is an adult male and has 2 children. Q is son-in-law of P. R is Q's brother-in law. There is just one couple in the family. Who is the daughter of P.

    A) P   B) Q   C) R   D) S

72. In a family, there is a grandmother, a mother, 4 sons, 5 daughters, a daughter each to each son, 5 daughters in law 4 nieces and nobody else. What is the minimum number of female members in the family?

    A) 5   B) 19   C) 11   D) None of these

73. If DEAD is written as WVZW how is MADFE written?

    A) RUSE   B) OPEN   C) NZWW   D) NZVW

74. Radha is younger to Sunita but elder to Rita. Rita is elder than Geeta. Sham is older to Rita but younger to Radha. Who is the youngest of all?

    A) Rita   B) Sham   C) Sunita   D) Geeta

75. A and B play football and hockey. C and D play badminton and cricket. B and C play cricket and football. A and D play hockey and badminton. Who plays badminton, football and hockey?

    A) A   B) B   C) C   D) None

Component IV- General English and Comprehension

76. The pedigree of honey
Does not concern the bee
A clover, any time, to him
Is aristocracy
-Emily Dickinson

What is the meaning of 'Pedigree' here?

    A) Family history   B) Background   C) Origin   D) All of these

77. A clover is a

    A) A decorative flower   B) A wild flower
    C) A cultivated flower   D) A significant flower

78. What does the analogy of honey bee and clover depict

    A) Treatment of rich and famous people   B) Treatment of disabled people
    C) Treatment of nature   D) Treatment of wild objects

Directions for **questions 79-81**: Answer on the basis of the following passage.

Early on Friday, Billy, a four-year old mutt, howled and yelped to wake his owner and lead him down a dark road to a car that had crashed into a tree. The motorist, Mr Gupta, was trapped behind the wheel. He was found unconscious and was taken to a nearby hospital. Doctors said that if the dog hadn't found him immediately, Mr Gupta would have died.

79. In the passage which of the following could replace 'motorist' as used in the passage?

    A) Mechanic   B) Driver   C) Motor   D) Pedestrian

80. Which of the following could replace 'taken' as used in the passage above?

    A) In use   B) Abducted   C) Full   D) Rushed

81. Which is the wrong statement as per the passage above

    A) Mr Gupta was the owner of the mutt
    B) Mr Gupta was found unconscious
    C) A car had crashed into a tree
    D) The mutt saved Mr Gupta's life

Microsense, the parent company that N.V. joined, started operations in 1982 as a manufacturer of PCs in Hyderabad under the ALPM programme for banks. For the uninitiated, ALPM is an acronym for Accounting and Ledger Posting Machines. When banks in India were computerized in the early 1980s, there were strong objections by the unions, which feared loss of jobs. The very word 'computer' was anathema to them.

The banks thought of a novel way of introducing computers through ALPMs, which were, in fact, stand-along computers capable of handling SB (savings bank account), CA (current account), OD/CC (overdraft/cash credit), advances, term deposits, outward clearing, DD (demand drafts) and back office operations. The introduction of ALPMs provided a great opening for enterprising software entrepreneurs in India, and Microsense cashed in on this opportunity. It was a project approved by the public sector banks, and since the banking industry in India was enormous, business was smooth with continuous orders. After some time, however, Microsense got out of manufacturing, for various reasons, and decided to get into data communication, a relatively new area at the time.

They began as distributors for data communication products from companies like US Limited (VSNL), the first (any only) government-run Internet service provider in India at the time. Today, Microsense provides specialized Internet services to hotels and the hospitality industry. They have established a leadership position across that segment, with about 120 hotels as customers in India, Befast, Mauritius and Dubai. Their flagship product is a billing and authentication system that is in use in all the hotels that Microsense operates Internet services for. It provides an authentication system for guests staying in (or passing through) the hotel to use the Internet and bills them according to their usage.

The product has also been sold as an enterprise version to companies like Airtel, Vodafone, Bengaluru International Airport Limited (BIAL) and Infosys, albeit without the billing component. These companies use it as a secured guest access system for providing Internet access to guests of the company, but don't charge them for it. The authentication for usage is mandatory under the India penal code and does not permit anonymous browsers. So the software N.V. produces is able to track the actual users of the Internet, if needed, along with their usage details.

The system also allows authentication services in response to an SMS (short message service, or text message). If a user wants to use the wireless Internet connection at the airport, for instance, he can send an SMS to a designated number and he will receive a password that can be keyed in for using the net-based services while waiting to board the plane. In case of need, the usage can be traced back to the cell number and then to the user in whose name the cell phone has been registered.

There is a fairly large and growing demand for this software from both hotels and airports. Many people who have travelled through the recently constructed airport in Delhi have used this system to access the Internet.

(Source-Start-up city, Bannerjee, M, Bannerjee, S and Sastry, PR, Haper Collins, 2014)

82. Computerisation was anathema to the banks because

    A) The unions feared loss of job   B) The banks wanted trained people

    C) Computers were difficult to operate   D) Computers complicated the work

83. ALPM is an acronym for

    A) Accounting and Ledger Posting Machines

    B) Accounts and Posts Material

    C) Accessible Login Posting Machines

    D) Automatic Ledger Paying Machines

84. The ALPM s were in fact

    A) Automatic teller machines   B) Stand alone computers

    C) Portable calculators   D) Back office operation

85. Mark the wrong statement. The reason for ALPMs entering into the business was

    A) Banking industry was vast

    B) The orders were continuous

    C) The opportunity was good for the software firms

    D) There was no other competitor

86. Features of a secured guest access system are

    A) Anonymous users are allowed

    B) Guests can be contacted through it

    C) Guests can use internet through it.

    D) Guests are charged for this service

87. The word Flagship means

    A) The best thing produced by an organisation

    B) The flag carrying logo of the company

    C) The ship carrying the logo of the company

    D) The software used in ships

88. The sequence of the Microsense service was

    A) SMS-Password-Keying in-Net service

    B) Password-SMS-Keying in- Net service

    C) Net service- Password- SMS- Keying in

    D) Keying in-SMS-Net service- Password

89. The Microsense can trace the internet user to

    A) Cell number   B) Cell phone   C) User   D) All of these

90. Clients of Microsense are

    A) Hotels   B) Hospitality Industry

    C) Banks   D) All of these

91. Microsense deals with

    A) Manufacturing PCs   B) Manufacturing tablets

    C) Manufacturing ipads   D) Manufacturing cell phones

92. Blank 1 men first flew in space, they were amazed to discover Blank 2 the only manmade object visible was the Great wall of China.
Blank 1 and blank 2 respectively should be filled with

    A) When, that   B) Which , this   C) After, that   D) Before, this

Directions for **questions 93-96**: Answer on the basis of the following sentences
I can still remember our house, with the bedroom windows open to let in fresh air. Sometimes on cold evenings we played and danced in the parlour

93. In addition to the meaning in the sentence, the word 'Still' also means

    A) Motionless   B) Noisy   C) Yet   D) Agitate

94. The phrase 'let in' in the sentence can be replaced by

    A) To deny   B) To allow

    C) To exercise control   D) To give opportunity

95. Which of the following can replace 'Sometimes' in the above sentence

    A) Never   B) Rarely

    C) Occasionally   D) Once in a blue moon

96. Which room in the house would a parlour be?

    A) Bedroom   B) Kitchen   C) Bathroom   D) Drawing room

Directions for **questions 97-100**: In the following passage, errors or parts of a sentence which have been left out, have been underlined. Choose the correct options to correct these errors in the consecutive questions

'Warli art are (question 22) an ancient art form that originated in Maharshtra. It is associated with one of the largest tribes living besides (question 23) Maharashtra and Gujarat- the Warlis. The word 'Warli' came (question 24) from 'warla' which means a piece of land or a field. The paintings are the only means of transmitting folk tales to those _____ (question 25).

97.   A) Was   B) Is   C) Were   D) Our

98.   A) In   B) Through   C) Round   D) Inside

99.   A) Had come   B) Comes   C) Come   D) Is coming

100.   A) Sang songs   B) Could appreciate art

     C) Belong to their tribe   D) Cannot read or write

x-x-x