Paper Code No- AB04/1

ENTRANCE EXAMINATION-2016

BA-Hons. ECONOMICS /B.B.A /B.Com (Hons)

SET A

ROLL NO.

....

Signature of Invigilator

Time: 1 HOURS 45 MINUTES

Total Marks: 100

Instructions to Candidates

1. Do not write your name or put any other mark of identification anywhere in the OMR Answer Sheet. IF ANY MARK OF IDENTIFICATIONS IS DISCOVERED ANYWHERE IN OMR ANSWER SHEET, the OMR sheet will be cancelled, and will not be evaluated.

2. This Question Booklet contains this cover page and a total of **100 Multiple Choice Questions of 1mark.** Space for rough work has been provided at the beginning and end. Available space on each page may also be used for rough work.

3. Each correct answer carries one mark.

4. There is negative marking for Multiple Choice Questions. For each wrong answer, 0.25 marks will be deducted.

5. USE OF CALCULATOR IS NOT PERMITTED.

6. USE/POSSESSION OF ELECTRONIC GADGETS LIKE MOBILE PHONE, iPhone, iPad, pager ETC. is not permitted.

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8. Answers must be marked in the OMR answer sheet which is provided separately. OMR answer sheet must be handed over to the invigilator before you leave the seat.

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CORRECT METHOD
Ⓐ ● Ⓒ Ⓓ

WRONG METHOD

SET- AB04/1   SET-A   Test Paper-2016

(English)

Directions (1-5). Read each sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence, the number of the part is the answer.

1. I want you (A)/ to pick up the box (B)/ of glasses gently (C)/ and kept it on the table carefully. (D)

2. I don't appreciate (A)/ him who laugh (B)/ at others without (C)/ any reason. (D)

3. There appears (A)/ to be a little liaison (B)/ among the (C)/ two groups of the society. (D)

4. The pilot revealed (A)/ that his airbus was carrying (B)/ not less than (C)/ two hundred passengers last evening. (D)

5. He said that he (A)/ decided not to buy (B)/ the house as (C)/ it was on the main road. (D)

Directions (6-7). Pick up correct *synonyms* for each word in capital letters from the answer choices.

6. VARIEGATE:

   A) Set type   B) Multi-colour   C) Differ   D) Reject

7. SURMISE

   A) Guess   B) Tragedy   C) Plan   D) Unexpected event

Directions (8-9). Pick from the answer choices correct *antonyms* for each of the following words in capital letters.

8. CLANDESTINE

   A) Swampy   B) Open   C) Pugnacious   D) Sunny

9. JOCUND

   A) Melancholy   B) Juggler   C) Flat   D) Round

Directions (10-15). Read the following passage and pick up correct answers for each of the questions which follow:

The chief condition of happiness, then, barring certain physical prerequisites, is the life of reason—the specific glory and power of man. Virtue, or rather excellence, will depend on clear judgement, self-control, symmetry of desire, artistry of means; it is not the possession of the simple man, nor the gift of innocent intent, but the achievement of experience in the fully developed man. Yet there is a road to it, a guide to excellence, which may save many detours and delays: it is the middle way, the golden mean. The qualities of character can be arranged in triads in each of which the first and the last qualities will be extremes and vices, and the middle quality a virtue or an excellence. So between cowardice and rashness is courage: between stinginess and extravagance is liberality; between sloth and greed is ambition; between humility and pride is modesty; between secrecy and loquacity is modesty; between moroseness and buffoonery is good humour; between quarrelsomeness and flattery is friendship; between Hamlet's indecisiveness and Quixote's impulsiveness is self-control. "Right", then, in ethics or conduct, is not different from "right" in mathematics or engineering; it means correct, fit, what works best to the best result.

10. In your opinion, what is the main idea of passage?

    A) The qualities of Character are there – extremes and middle.

    B) In some respects ethics and mathematics resemble.

    C) Happiness can be achieved by following the middle path.

    D) None of these.

11. What is the implied meaning of the passage?

    A) Happiness depends upon physical and mental qualities.

    B) Self-control is necessary.

    C) Excellence should be achieved.

    D) Rational approach lies in following the middle path.

12. Which of the following is not the middle path of different qualities?

    A) Liberality   B) Ambition   C) Friendship   D) Secrecy

13. The author has not said:

    A) The middle path between humility and pride is modesty.

    B) Middle path avoids delay in achieving excellence.

    C) Right in ethics means that works to the best results.

    D) Courage is the middle path of indecisiveness and impulsiveness.

14. Who of the following is *not* the writer of either Hamlet or Don Quixote?

    A) Benjonson   B) Shakespeare   C) Cervantes   D) None of these

15. Which of the following is the most suitable title for the passage?

    A) Qualities of Character   B) Chief Condition of Happiness

    C) Golden Mean   D) None of these

Directions (16-20). Read the following *analogies*. Four choices are given for the blank. Choose the correct word as your answer from the options A, B, C and D given below to fill the blank:

16. Mason: ----------:: Carpenter : Wood

    A) Iron   B) Stone   C) Chisel   D) Building

17. Simper: Smile:: Walk-------

    A) Mince   B) Wave   C) Waltz   D) Hike

18. -----: Bough:: Foot: Boot

      A) Cough   B) Bout   C) Plough   D) Tree

19. Allay: Suspicion:: -----: Fear

      A) Plant   B) Generate   C) Anger   D) Calm

20. Fenestration: -----:: Portal: Door

      A) Mural   B) Table   C) Window   D) Atrium

(GENERAL AWARENESS)

21. Maximum number of nominated members in Rajya Sabha is _____?

      A) 2   B) 12   C) 8   D) 3

22. The normal temperature of a human body is_____?

      A) 32 degree Celsius   B) 35 degree Celsius
      C) 37 degree Celsius   D) 42 degree Celsius

23. A human cell has got ____ pairs of chromosomes.

      A) 46   B) 44   C) 22   D) 23

24. Which of the following is the correct explanation of Capital Flight?

      (A) It is the large inflow of investment in Indian Stock market from foreign investors
      (B) It is the sudden out- flow of the foreign Institutional Investment from Indian Market
      (C) It is the boom of capital market in India
      (D) It is the boom of FDI in India

25. Which of the following acids is present in the sting of an ant?

      A) Formic acid   B) Malik acid   C) Oxalic acid   D) Tartaric acid

26. Name the first Arabic writer to be awarded Nobel Prize for Literature.

      A) Salman Rushdie   B) Gen Gaddafi   C) Yasser Arafat   D) Naguib Mahfouz

27. What per cent of solar radiation directly reaches the Earth?

      A) 47   B) 27   C) 20   D) 15

28. Which of the following cities is situated on the bank of river Tiber?

      A) Tokyo   B) Rome   C) Peking   D) Berlin

29. Which is the most irrigated State in India?

      A) UP   B) Punjab   C) Haryana   D) Bihar

30. The weight of the cricket ball is approximately-

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

31. The largest producer of sugar in the world is_____.

    A) Brazil   B) Indonesia   C) Mexico   D) Cuba

32. The 'Servants of India Society' was founded by –

    A) Annie Besant   B) Gopalkrishna Gokhale
    C) Balgangadhar Tilak   D) Dadabhai Naoroji

33. Who among the following was the first recipient of the Rajiv Gandhi Khel Ratna Award?

    A) Dhanraj Pillai   B) Homi Matiwala
    C) Vishwanathan Anand   D) Bahadur Prasad

34. What is the literal meaning of secularism?

    A) Freedom to worship any God   B) Death of religion
    C) Separation of religion from the State   D) None of these

35. The United Nations Day is observed annually on _____.

    A) November 14   B) October 24   C) October 2   D) October 30

36. The famous financial advisor to Akbar was_____.

    A) Todar Mall   B) Abul Fazl   C) Raja of Joshpur   D) Bairam Khan

37. _____ does not lay eggs?

    A) Pigeon   B) Ostrich   C) Penguin   D) Bat

38. The national game of China is_____?
    A) Cricket   B) Table Tennis   C) Foot Ball   D) Hockey

39. Which of the following novels was not written by Charles Dickens?
    A) The Adventures of Oliver Twist   B) War of the Worlds
    C) David Copperfield   D) A Tale of Two Cities

40. India's first TV centre was set up at –
    A) Bombay (now Mumbai)   B) Delhi
    C) Calcutta (now Kolkata)   D) Lucknow

41. Who defined democracy as a "Government of the people, by the people and for the people?"
    A) Ruskin   B) Abraham Lincoln
    C) Mahatma Gandhi   D) Aristotle

42. _____languages have been mentioned in the Eighth Schedule.

    A) 14   B) 15   C) 13   D) 22

43. What % of the Earth's surface is covered under water?
    A) 51   B) 60   C) 71   D) 75

44. Which of the following is **not a ground** for declaring national emergency in India?

A) War   B) External Aggression   C) Armed Rebellion   D) Internal Disturbances

45. Which of the following is the deepest and biggest ocean in the world?

A) Indian Ocean   B) Pacific Ocean   C) Atlantic Ocean   D) Arctic Ocean

46. Dadabai Naoroji award for promoting International relations in Culture, Education and Commerce is given by the government of which country?

A) The UK   B) The USA   C) The UAE   D) The UNO

47. From the constitution of which country, we have borrowed the Fundamental Rights of Indian Constitution?

A) Irish constitution   B) Australian constitution
C) US constitution   D) British constitution

48. Which of the following is an INSAT Geo Stationary Orbiting satellite?

A) Carto Sat   B) Kalpana I   C) Ocean Sat   D) RISAT

49. Where is the headquarters of Commonwealth of States?

A) London   B) Geneva   C) Belgium   D) Jakarta

50. The battle of Plassey was fought in_____.

A. 1757   B) 1782   C) 1748   D) 1764

51. The territory of Porus who offered strong resistance to Alexander was situated between the rivers of_____.

A) Sutlej and Beas   B) Jhelum and Chenab   C) Ravi and Chenab   D) Ganga and Yamuna

52. Under Akbar, Mir Bakshi was required to look after

A) military affairs   B) the state treasury   C) the royal household   D) the land revenue system

53. The office of the prime minister of India _____.

A) rests on coronations   B) is created by the Parliament
C) is created by the constitution   D) All of the above

54. The members of the state legislative assemblies are elected for a period of _____.

A) 2 years   B) 6 years   C) 5 years   D) 3 years

55. The oath of office is conducted to the President by _____.

A) the speaker of Lok Sabha   B) the Chief Justice of India
C) the Vice-President of India   D) None of the above

56. The objective of the Morley-Minto Reforms was

    A) Extension of provincial assemblies   B) to give more powers to local government
    C) To abolish the post of secretary of the state for India D) to establish diarchy in provinces

57. The minimum age required to become the prime minister of India is

    A) 25 years   B) 30 years   C) 40 years   D) 35 years

58. Notes on which denomination has the portrait of Mahatma Gandhi printed on them?

    A) 1000 rupee   B) 500 rupee   C) 100 rupee   D) All of the above

59. The author of 'India Wins Freedom'?

    A: Dominique Lapierre   B: Maulana Azad
    C: Khan Abdul Gaffar Khan   D: Jawaharlal Nehru

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

    A): Volleyball   B) Tennis   C) Football   D) Hockey

MATHS AND REASONING

61. Find the odd one out......

    A) Paris   B) London   C) New Delhi   D) Karachi

62. Insert the missing number. 10, 5, 13, 10, 16, 20, 19, (....), 21

    A) 22   B) 40   C) 38   D) 23

63. What is the next term of the sequence 2, 6, 12, 20, 30, 42...

    A) 50   B) 56   C) 63   D) 48

64. The ages of A and B are in the ratio 3:5. After 9 years the ratio of their ages will be 3:4. The present age of B is

    A) 9 years   B) 15 years   C) 20 years   D) 16 years

65. The marks obtained by a student in five subjects are 68,72,62,58 and 70. Find the average mark.

    A) 66   B) 65   B) 68   D) 70

66. The ratio of the number of boys and girls at a party was 1:2 but when 2 boys and 2 girls left, the ratio became 1:3. then the number of persons initially in the party was

    A) 24   B) 36   C) 12   D) 15

67. The HCF of three numbers is 12. If they are in the ratio of 1:2:3, the numbers are

    A) 12, 24, 36   B) 10, 20, 30   C) 5, 10, 15   D) 4,8,12

68. In 40 litres mixture of milk and water, the ratio of milk and water is 3:1. How much water should be added in the mixture so that the ratio of milk to water becomes 2:1?

    A) 10   B) 8   C) 12   D) 5

69. After travelling 60 km, Vivek found that 60 % of his journey was still left. The length of the whole journey is:

    A) 135   B) 150   C) 180   D) 227

70. When the determinant of a matrix is zero, the matrix is called

    A. Singular   B. Non singular   C. Null   D. Identity

71.

2	7	4	5	8	2	1
	9	11	9	X	10	3

What number should replace X?

    A) 8   B) 10   C) 11   D) 13

72. Change into the logarithm form $5^3 = 125$

    A) $\log_3 125 = 5$ B) $\log_5 125 = 3$ C) $\log_3 5 = 125$ D) $\log_5 3 = 125$

73. If $y=e^x$ then $\frac{dy}{dx}$?

    A) xe^{x-1} B) xe C) ex^{-1} D) e^x

74. 25th term of the series (AP) 8, 13, 18, 23, 28 ....

    A) 113   B) 123   C) 128   D) 133

75. Two sets A = $\{1, 5, 9, 13, 15\}$ and B = $\{15, 9, 13, 1, 5\}$ are said to be

    A) Equality of set   B) Null set   C) Set of Equivalency   D) Single set

76. Determinant of a 3X3 square matrix is called ---- determinant

    A) First order   B) Second order   C) Third order   D) Fourth order

77. Find out the values of 'x' and 'y' if $x + y = 7$; $3x - 2y = 11$.

    A) 4, 3   B) 5, 2   C) 3, 4   D) 2, 5

78. The number of children in 10 families in a locality is listed: 3, 1, 4, 0, 2, 1, 1, 2, 3, 3. Find out the average number of children in a family.

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

79. Which among the following is a measure of Dispersion?

   A) Mean   B) Mode   C) Median   D) Range

80. Find out the mode of the values 5,10,3,10,2,9,5,10,2,11

   A) 2   B) 5   C) 10   D) 11

81. Find the odd one out 3, 5, 11, 14, 17, and 21

   A) 21   B) 17   C) 14   D) 3

82. What is the next term of the sequence 1, 4, 9, 16, 25,...........?

   A) 35   B) 36   C) 51   D) 40

83. Complete the series ACEG, BDFH...

   A) EFGH   B) CFHA   C) DFHG   D) CEGI

84. Find out the capital required to earn a monthly interest of Rs. 500 at 6% simple interest.

   A) Rs. 1 lakh   B) Rs. 1.2 lakhs   C) Rs. 1.1 lakhs   D) Rs. 1.3 lakhs

85. Rahul obtained following marks in five subjects.......70,50,88,52 and 60. Find the average mark

   A) 66   B) 64   C) 88   D) 70

86. The price of an item is increased by 30%, the increase is Rs. 12, then the new price of is

   A) 40   B) 50   C) 52   D) 75

87. A father is 22 years older than his son. If after 3 years the father's age will be three times that of his son, the son's age at present will be:

   A) 8   B) 9   C) 10   D) 11

88. Find two consecutive natural numbers whose squares have been the sum 221.

   A) 13, 15   B) 9, 10   C) 12, 13   D) 10, 11

89. Rs. 180 contained in a box is made up of one rupee, 50 paise, and 25 paise coins in the proportion of 2:3:4. What is the number of 50 paise coins?

   A) 150   B) 180   C) 240   D) 120

90. If the number of girls in a class is five times than number of boys in the same class, which one of the following cannot be the total number of the class?

   A) 30   B) 36   C) 54   D) 62

91. Which one of the following diagram is odd one out?

A   B   C   D
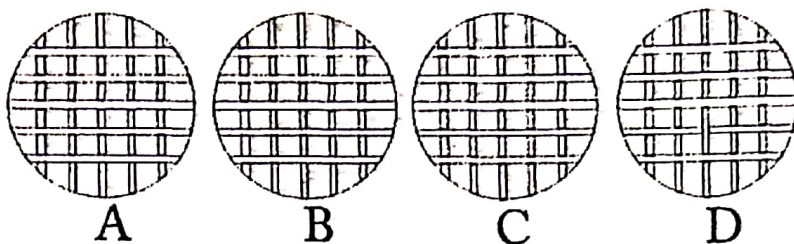
92. $\log_a b \times \log_b a =$

   A) a B) 1   C) 0   D) b

93. If y=f(x), then $\frac{dy}{dx}$?

   A) $\frac{\frac{dy}{dx}}{1}$ B) $\frac{1}{\frac{dy}{dx}}$ C) $1 - \frac{dy}{dx}$ D) $\frac{dy}{dx} - 1$

94. 13th term of the series (AP) 5, 9, 13, 17.......

   A) 55   B) 53   C) 52   D) 43

95. If A is a super set of B, then B is a -------- of A

   A) Super set   B) Sub set   C) Empty set   D) Equality of set

96. If matrix A is of mxn dimension, then A' will be --------- dimension

   A) nxm   B) mxn   C) nxn   D) mxm

97. Which of the following numbers is divisible by 24?

   A) 15824   B) 14824   C) 13824   D) 12824

98. Find out the median of the values 5, 10, 3, 7, 2, 9, 6, 2, 11

   A) 2   B) 6   C) 11   D) 9

99. Find out the values of x & y if 2x + 3y = 31; 17x - 11y = 8.

   A) 4, 7   B) 5, 7   C) 6, 8   D) 5, 8

100. Which among the following is not a measure of central tendency?

   A) Mean   B) Mode   C) Median   D) Range

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CORRECT METHOD
(A) ● (C) (D)

WRONG METHOD

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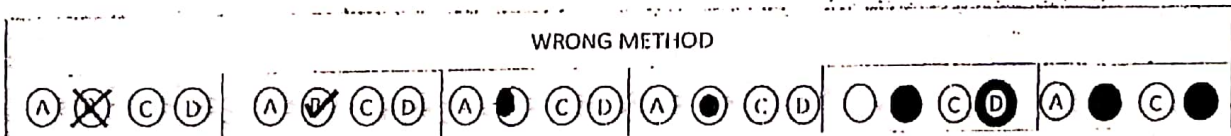
English

Direction (1-5): Which of the phrases (A), (B), (C) and (D) given below each sentence should replace the phrase printed in bold in the sentence to make it grammatically correct?

1. The new airport is under construction and **likely to operational** in two years.
   (A) likely will
   (B) will be likely
   (C) likely to be
   (D) in all likelihood being

2. If you want to complete this important assignment on time you must **carefully planned.**
   (A) careful to plan
   (B) carefully planning
   (C) plan carefully
   (D) planned carefully

3. The company's first priority is **to ensure that** these policies are enforced in order to prevent frauds.
   (A) ensured
   (B) that ensuring
   (C) of ensuring to
   (D) by ensuring

4. **During her studies** finance, she returned to India to manage her family business.
   (A) She studied in
   (B) During studying
   (C) While she studies
   (D) After studying

5. We are **still submitted** our proposal to the Committee next week and will await their decision.
   (A) are going to submit
   (B) will submit still
   (C) have submitted
   (D) will be still submitted

Direction (6-10): In the following passage, a set of seven statements denoted by 1, 2, 3, 4, 5, 6 and 7 are given. Keeping 1 as the first statement, rearrange the other six statements 2, 3, 4, 5, 6 and 7 to make a meaningful paragraph and the answer the questions that follow:

1. Galileo was one of the greatest scientific pioneers who is still remembered.
2. It darkened his life and all his achievements.
3. It shows us the new worlds of heavens, stars, etc.
4. The Church imposed a ban on him.
5. Despite his fame, his support of the Copernican Theory that the earth moved round the sun created problems for him.
6. It was because of this, that he was held in high esteem.
7. His name lives on as that of an astronomer who perfected the refracting telescope.

6. Which of the following should be the **SECOND** statement after rearrangement?
   A) 7   B) 3   C) 4   D) 6

7. Which of the following should be the **THIRD** statement after rearrangement?
   A) 5   B) 3   C) 4   D) 6

8. Which of the following should be the **FIFTH** statement after rearrangement?
   A) 7   B) 3   C) 4   D) 5

9. Which of the following should be the **SIXTH** statement after rearrangement?
   A) 7   B) 3   C) 4   D) 6

10. Which of the following should be the **SEVENTH** statement after rearrangement?
    A) 2   B) 3   C) 4   D) 6

Directions (11-15): In the following passage, there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, four words are suggested, one of which fits the blanks appropriately. Find out the appropriate words in each case.

Nations which have __(11)__ upon programmes of economic development often run into unsuspected barriers which threaten, and often __(12)__ the __(13)__ needed growth of the economy. Industrialisation __(14)__, productivity fails to respond and the nations' goals of raising standard of living for its people are __(15)__.

11. A) failed   B) initiated   C) decided   D) progressed

12. A) halt   B) enlighten   C) cut   D) activate

13. A) alarmingly   B) hopefully   C) deceptively   D) positively

14. A) sinks   B) falters   C) fluctuates   D) deviates

15. A) fulfilled   B) postponed   C) suspended   D) frustrated

Directions (16-20): Read the following passage carefully and answer the questions given below it.

Copernicus obtained a degree in medicine from University of Cracow. He asked his uncle whether he might continue his studies in Italy, the centre of learning and the hub of the Renaissance. His uncle wisely consented and arranged for him to attend the famous University at Balogna where he studied law and furthered his knowledge of mathematics and astronomy. He also learned Greek in order that he might be able to read the original texts of the Greek astronomers as well as their transactions of the ancient Arabian mathematics. In keeping with the Renaissance concept of the well-rounded education, Copernicus also developed skill as a painter and poet. He became a professor of astronomy at the University of Rome. The doubts about Ptolemy's theories began to **appear** in his mind. In 1504 he resigned his Professorship and returned to Frauenburg, as a physician and assistant to his Uncle Bishop Watzelrode. In the **capacity** he won esteem and affection of all those with whom he came in contact. His training in law enabled him to be fair and just in administering the church lands.

16. Why did Copernicus join the University of Balogna?
    A) It was his Uncle's desire
    B) It offered him professorship
    C) It could offer improved quality education
    D) He wanted to advance his knowledge of medicine

17. Which of the following subjects was not studied by Copernicus during his stay in Italy?
    A) Medicine
    B) Law
    C) Mathematics
    D) Astronomy

18. Where could he utilise his legal knowledge?
    A) At University of Rome
    B) In learning Greek
    C) In administration of church lands
    D) In disproving Ptolemy's theory

19. Which of the following is most nearly the same in meaning as the word 'CAPACITY' as given in bold as used in the passage?

    A) Talent   B) Volume   C) Ability   D) Position

20. Which of the following is most opposite in meaning as the word 'APPEAR' as given in bold as used in the passage?

    A) Dilute   B) Overlook   C) Vanish   D) Dissolve

GENERAL AWARENESS

21. The Presidential Government operates on the principle of _____
    A) Separation of powers   B) Centralisation of powers
    C) Balance of powers   D) None of these

22. Who was the first woman to become the Prime Minister of a country?
    A) Golda Meir   B) Indira Gandhi
    C) Sirimavo Bhandharnaike   D) Margaret Thatcher

23. The Vice-President is the ex-officio Chairman of the _____
    A) Planning Commission   B) National Development Council
    C) Lok Sabha   D) Rajya Sabha

24. Which of the following countries has an Unwritten Constitution?
    A) USA   B) UK   C) India   D) Pakistan

25. In which year did the Parliament adopt Indian Constitution?
    A) 1947   B) 1948   C) 1950   D) 1952

26. Article 1 of the Constitution declares India as _____
    A) Federal State   B) Unitary State
    C) Quasi-Federal State   D) Union of States

27. 'AADHAR' is a programme _____
    A) To help senior citizens
    B) To provide identity to Indian residents
    C) To train people for social defence
    D) None of these

28. Which of these is not included as a Fundamental Right in the Indian Constitution?
    A) Right to equal wages for equal work
    B) Right to freedom of speech
    C) Right to equality before law
    D) Right to constitutional remedies

29. Who considered the Right to Constitutional remedies as very 'heart and soul' of the Indian Constitution?
    A) B. R. Ambedkar   B) M. K. Gandhi
    C) J. L. Nehru.   D) Dr. Rajendra Prasad

30. All the executive powers in Indian Constitution are vested with _____
    A) Prime Minister   B) Parliament
    C) President   D) Council of Ministers

31. Which is the largest sea in the world?
   A) Caspian Sea   B) South China Sea
   C) Mediterranean Sea   D) North Sea

32. The ocean currents transfer heat from _____
   A) One sea or ocean to another
   B) One coast to another
   C) The surface of the sea to greater depths
   D) Lower to high latitudes

33. Where was the concept of written constitution first born?
   A) France   B) USA   C) Britain   D) Switzerland

34. Coral reefs are formed by _____
   A) Volcanic rocks
   B) Marine sediments
   C) Chlorine material precipitatied from sea water
   D) Tiny colonial marine animals which construct limestone skeleton material

35. Kaziranga National Park is famous for _____
   A) Rhinoceros   B) Tiger
   C) Lion   D) Crocodile

36. Which is the best-known bird sanctuary in Haryana?
   A) Rajaji   B) Bharatpur
   C) Sultanpur   D) Sariska

37. Which one of the following places gets the least rainfall?
   A) Bikaner   B) Jodhpur
   C) Leh   D) Jaisalmer

38. The highest wheat-producing State of India is
   A) Haryana   B) Punjab
   C) Bihar   D) Uttar Pradesh

39. Hirakund project is located in _____
   A) West Bengal   B) Odisha
   C) M.P.   D) Bihar

40. Which among the following National Highway routes is the Longest?
   A) Agra-Mumbai   B) Chennai-Thane
   C) Kolkata-Hajira   D) Pune-Machilipatnam

41. Life expectancy _____
   A) Depends only on death rate
   B) Depends only on birth rate
   C) Is the average life span of other individuals in a population
   D) Refers to life span of an individual

42. Eco- mark is given to an Indian product which is
   A) Rich in Protein
   B) Environment-friendly
   C) Economically viable
   D) Pure unadulterated

43. Newton's first law is also called as
    A) Law of inertia
    B) Law of energy
    C) Law of momentum
    D) Law of moments

44. Inventor of WWW is _____
    A) P.V. Young   B) Tim Berners Lee
    C) Bill Gates   D) None of these

45. Spam is related to
    A) Computer   B) Art
    C) Music   D) Game

46. Biofuel is obtained from the seed of _____
    A) Jamun   B) Juniper
    C) Jatropha   D) Jacaranda

47. Which of the following plants only produces seed but not fruit?
    A) Cycus   B) Pea-nut
    C) Almond   D) Sugar-cane

48. Which one of the following is a protein fiber?
    A) Nylon   B) Polyester
    C) Silk   D) Cotton

49. Most important gland of human body is _____
    A) Thyroid   B) Liver
    C) Pituitary   D) Pancreas

50. Production of which one of the following is a function of liver?
    A) Mucus   B) Hydrochloric Acid
    C) Urea   D) Lipase

51. ATM stands for _____
    A) Automatic Teller Machine   B) Automatic Tally Machine
    C) Automated Teller Machine   D) Automated Tally Mechanism

52. ISRO is the abbreviation for _____
    A) International Scientific Research Organisation
    B) Indian Space Research Organisation
    C) Indian Scientific Research Organisation
    D) International Space Research Organisation

53. The journalist who refused to accept Padma Bhushan was
    A) Shekharan Nair
    B) Khushwant Singh
    C) Arun Shourie
    D) Nikhil Chakraborty

54. International women's day is observed on _____
    A) 3rd March   B) 15th October
    C) 27th January   D) 8th March

55. The United Nations declared 2011 as the International Year of _____
    A) International year of Biodiversity
    B) International year of Youth
    C) International year of Chemistry
    D) International year for People of African descent

56. Where did Mahendra Singh Dhoni make his ODI debut?
    A) Chittagong   B) Vishakapatnam
    C) Dhaka   D) Hyderabad

57. Duleep trophy is associated with the game of _____
    A) Lawn Tennis   B) Football
    C) Badminton   D) Cricket

58. When were the 19th Commonwealth Games scheduled to be held in Delhi?
    A) December, 2008   B) November, 2009
    C) October, 2010   D) February, 2011

59. The Harappan Civilization was discovered in the year:
    A) 1901   B) 1921   C) 1935   D) 1942

60. Who built the Khajuraho temples?
    A) Holkars   B) Chandela   C) Scindias   D) Bundela

MATHS AND REASONING

61. In a certain code 'GIVE is written as 'VIEG' and 'OVER' is written as 'EVRO'. How will 'DISK' be written in that code?
    A) SIDK   B) SIKD   C) KDSI   D) KISD

62. P is the brother of Q. M is sister of Q. T is the brother of P. How is Q related to T?
    A) Brother   B) Sister   C) Mother   D) Data inadequate

63. How many such pair of letters is there in the word STRIVE each of which has as many letters between them in the word as in the English alphabet?
    A) One   B) Two   C) Three   D) Four

64. $14181 \div 87 \times ? = 122.25$
    A) 6   B) 10   C) 2/3   D) 3/4

65. If the value of $42a + 42b = 7476$, what is the average of a+b?
    A) 89   B) 178   C) 79   D) 100

66. Three numbers are in the ratio of 1:2:3 and their H.C.F. is 12. The numbers are:
    A) 4, 8, 12   B) 5, 10, 15   C) 10, 20, 30   D) 12, 24, 36

67. One year ago, the ratio of Sahil and Mayank's age was 6:7 respectively. Four years hence, this ratio would become 7:8. How old is Mayank?
    A) 10 years   B) 14 years   C) 36 years   D) 40 years

68. If 50% of (x-y) = 30% of (x+y), then what percent of x is y?
    A) 25%   B) 40%   C) 56%   D) 85%

69. 'Picture' is related to 'See' in the same way as 'Book' is related to _____
    A) Listen   B) Read   C) Buy   D) Box

70. Mohan walks 20m north. Then, he turns right and walks 30m. Now, he turns right and walks 35m. Now turning left, he walks 15m. Again, he turns left and moves 15m. In which direction and how far is he from his original position?
    A) 15m, East   B) 45m, East   C) 15m, West   D) 45m, West

71. A clock is set right at 5 am. The clock loses 16 min in 24 h. What will be the right time when the clock indicates 10 pm on the 3rd day?
    A) 11.15 pm   B) 11 pm   C) 12 pm   D) 12.30 pm

72. How many times do the hands of a clock coincide in a day?
    A) 24   B) 21   C) 20   D) 22

73. A bag contains 50p, 25p and 10p coins in the ratio 5:9:4, amounting to Rs. 206. Find the number of coins of each type.
    A) 200, 360, 160   B) 190, 150, 100   C) 120, 180, 240   D) 80, 110, 140

74. A can do a piece of work in 4 hours. B and C together can do it in 3 hours, while A and C together can do it in 2 hours. How long will B alone take to do it?
    A) 8 hours   B) 10 hours   C) 12 hours   D) 24 hours

75. A man buys an article for Rs. 27.50 and sells it for Rs. 28.60. Find his gain percent.
    A) 10%   B) 15%   C) 18%   D) 4%

76. On 8th Dec, 2007 Saturday falls. What day of the week was it on 8th Dec, 2006?
    A) Monday   B) Sunday   C) Friday   D) Thursday

77. Find the odd one out.
    A) CGEF   B) JMLK   C) VYXW   D) PSRQ

78. Doctor : Nurse :: ? : Follower
    A) Leader   B) Worker   C) Union   D) Employer

79. Two cards are drawn at random from a pack of 52 cards. What is the probability that either both are black or both are queens?
    A) 35/221   B) 55/221   C) 55/331   D) None of these

80. What is the median of 36, 72, 49, 45, 60, 33, 61, 72, 55?
    A) 60   B) 33   C) 52   D) 61

81. The sum of how many terms of the series 6 + 12 + 18 + 24 + ... is 1800?
    A) 16   B) 20   C) 12   D) 24

82. $2 + 2^2 + 2^3 + ... + 2^9 = ?$
    A) 1056   B) 2044   C) 1022   D) 2244

83. A sum of Rs. 312 was divided among 100 boys and girls in such a way that each boy gets Rs. 3.60 and each girl Rs. 2.40. The numbers of girls are:
    A) 20   B) 60   C) 40   D) 90

84. The square root of $(272^2 - 128^2)$ is:
    A) 240   B) 200   C) 100   D) 300

85. A square matrix is said to be an upper (lower) triangular matrix if all entries below (above) the main diagonal are _____
    A) One   B) Zero   C) Two   D) None of these

86. A diagonal matrix whose all the diagonal elements are equal is called _____
    A) Null Matrix   B) Row Matrix   C) Scalar Matrix   D) Unit Matrix

87. Find the present worth of Rs. 930 due 3 years hence at 8% per annum.
    A) Rs. 750　　　　　B) Rs. 850　　　　　C) Rs. 950　　　　　D) Rs. 1050

88. Complete the series: 2, 5, 9, 19, 37, ...
    A) 40　　　　　B) 55　　　　　C) 67　　　　　D) 75

89. Find out the wrong number in the series: 22, 33, 66, 99, 121, 279, 594
    A) 279　　　　　B) 121　　　　　C) 99　　　　　D) 594

90. Two unbiased coins are tossed. What is the probability of getting at most one head?
    A) 2/3　　　　　B) 3/4　　　　　C) 1/3　　　　　D) 1/2

91. The dimension of an open box are 50 cm, 40 cm, and 23 cm. Its thickness is 3 cm. If 1 cubic cm of metal is used in the box weighs 0.5 gms, find the weight of the box.
    A) 11.02 Kg　　　　　B) 6 Kg　　　　　C) 8.04 Kg　　　　　D) 10 kg

92. An electric pump can fill a tank in 3 hours. Because of a leak in the tank, it took 3.5 hours to fill the tank. If the tank is full, how much time will the leak take to empty it?
    A) 21 hours　　　　　B) 11 hours　　　　　C) 9 hours　　　　　D) 17 hours

93. If $2A = 3B = 4C$, then A: B: C is:
    A) 4:3:2　　　　　B) 2:3:4　　　　　C) 20:15:2　　　　　D) 6:4:3

94. If 40% of a number is equal to two-third of another number, what is the ratio of first number to the second number?
    A) 2:5　　　　　B) 3:7　　　　　C) 5:3　　　　　D) 7:3

95. Reena is taller than Bina, but shorter than Aditi. Anu is shorter than Bina but taller than Manju. Ekta is taller than Reena. Who among them is the tallest?
    A) Ekta　　　　　B) Aditi or Ekta　　　　　C) Ekta or Reena　　　　　D) Aditi

96. Histogram is useful to determine graphically the value of:
    A) Mean　　　　　B) Median　　　　　C) Mode　　　　　D) None of these

97. The value of $\log_2 16$ is:
    A) 4　　　　　B) 1/8　　　　　C) 8　　　　　D) 16

98. A sum of Rs. 800 amounts to Rs. 920 in 3 years at simple interest. If the interest rate is increased by 3%, it would amount to how much?
    A) Rs. 700　　　　　B) Rs. 500　　　　　C) Rs. 200　　　　　D) Rs. 992

99. If $1.125 \times 10^k = 0.001125$, then the value of k is:
    A) -1　　　　　B) -2　　　　　C) -3　　　　　D) -4

100. The sum of the squares of three numbers is 138, while the sum of their products taken two at a time is 131. Their sum is:
    A) 40　　　　　B) 48　　　　　C) 60　　　　　D) 72