

ENTRANCE EXAMINATION – 2016

M.A.(5-Year Integrated) programmes in Social Sciences
(Anthropology, Economics, History, Political Science and Sociology)

Maximum Marks:100
Time: 2 Hours

Hall Ticket No.:

Instructions:

1. Read these instructions carefully before answering.
2. Write Hall Ticket Number in the OMR Answer sheet given to you. Also write the Hall Ticket Number in the space provided above.
3. Answers are to be marked on the OMR Answer sheet following the instructions provided there upon.
4. Handover the OMR Answer sheet at the end of the examination to the invigilator.
5. No additional sheets will be provided. Rough work can be done in the question paper itself/on the space provided for it at the end of the booklet.
6. The question paper has **FOUR** sections as explained below.

Section	Question Nos.	Title	Marks
A	Q1-Q25	Language and Comprehension	25
B	Q26-Q50	Reasoning Ability	25
C	Q51-Q75	Quantitative Aptitude	25
D	Q75-Q100	General Awareness and Social studies	25

7. Each correct answer carries ONE mark.
8. There is negative marking. Each wrong answer carries -0.33 marks.
9. Use of calculators is **NOT** permitted.
10. This question paper contains 16 pages including **this** page.

24. Pick the correct statement from the following
- a) Lata Mangeshkar's father was also a gifted lyricist
 - b) Amitabh Bachchan's famous father promoted him in the film industry
 - c) Lata Mangeshkar's father was her principal support for a major part of her career
 - d) Both Amitabh Bachchan and Lata Mangeshkar had accomplished fathers
25. In which of the following year Lata Mangeshkar was born?
- a) 1947
 - b) 1929
 - c) 1942
 - d) 1931

Section- B
Reasoning Ability

26. Six students A,B,C,D,E and F are sitting in a row. D and C are immediate neighbours of E. B is neighbor of A only, A is fourth from F. Who are on the two extremes?
- a) B and D
 - b) A and C
 - c) B and F
 - d) A and F
27. If $C+E = 8$ and $M-L=1$, find out the value of $R \times V$?
- a) 306
 - b) 396
 - c) 360
 - d) 378
28. In the series STOP, TOPS, OPST, the next term is _____?
- a) POTS
 - b) POST
 - c) PSTO
 - d) PTSO
29. In a certain code 2,7,8 means "How are you"; 3,4,7 means "How is life"; 3,5,6 means "She is wonderful"; and 2,6,8 means "You are wonderful"; which numerical in that language means "You" ?
- a) 5
 - b) 2
 - c) 7
 - d) 8

46. Which state has the highest sex ratio?
 a) Meghalaya b) Andhra Pradesh c) Manipur d) Kerala
47. Which Union Territory has the highest sex ratio?
 a) Chandigarh b) Puducherry c) NCT of Delhi d) Kerala
48. Which state has the highest sex ratio among the North-Eastern States?
 a) Meghalaya b) Mizoram c) Manipur d) West Bengal
49. South Indian states have better sex ratio than North Indian states?
 a) True b) False c) Can't say d) both have equal sex ratio
50. Which of the following state or union territory has a below average sex ratio in the given table?
 a) Andhra Pradesh b) Mizoram c) Meghalaya d) Gujarat

Section- C

Quantitative Aptitude

51. Let $x < 0, 0 < y, z > 1$ which of the following is false?
 a) $(x^2 - z^2)$ has to be positive
 b) yz can be less than one
 c) xy can never be zero
 d) $(y^2 - z^2)$ is always negative
52. The number of positive integers not greater than 100, which are not divisible by 2, 3, or 5 is:
 a) 24 b) 26
 c) 29 d) None of the above
53. Ten 50 paise coins are placed on a table. Six of these show tails while four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins five show tails and four show heads. The covered coin shows
 a) head b) tail
 c) More likely a head d) More likely a tail
54. A group of workers was put on a job. From the second day onwards, one worker was withdrawn each day. The job was finished when the last worker was withdrawn. If no worker was withdrawn at any stage, the group would have finished the job in two-thirds the time. How many workers were there in the group?
 a) 2 b) 3 c) 5 d) 10

55. The diameter of a hollow cone is equal to the diameter of a spherical ball. If the ball is placed at the base of the cone, what proportion of the ball will be outside the cone?

- a) 50%
- b) Less than 50%
- c) More than 50%
- d) 100%

56. A ship leaves on a long voyage. When it is 18 miles from the shore, a seaplane, whose speed is ten times that of the ship is sent to deliver a mail. How far from the shore does the seaplane catch up with the ship?

- a) 200 miles
- b) 220 miles
- c) 22 miles
- d) 20 miles

57. If $ab = 2\sqrt{3}$, then the value of $a^4 + b^4$ is _____?

- a) 14
- b) 16
- c) 18
- d) 20

58. If $x > 1$, then the value of the expression:

$$\frac{(x-1) + x}{2x-1} - \frac{(x-1)}{x-1}$$

- a) -1
- b) 0
- c) 1
- d) x

59. 15 years hence a man will be just 4 times as old as he was 15 years ago. His present age is

- a) 25 years
- b) 20 years
- c) 15 years
- d) 10 years

60. $a^{\frac{x|y-z|}{y|x-z|}} \div \frac{a^y}{a^x}$ is equal to

- a) a^{xyz}
- b) $a^{xy + yz + zx}$
- c) $a^{xy/z}$
- d) 1

61. Let $A = \{1, 2, 3\}$, $B = \{4, 5, 6\}$ then $A \cap B$ is

- a) $\{\phi\}$
- b) Φ
- c) $\{0\}$
- d) $\{1, 2, 3, 4, 5, 6\}$

62. The radius of a circle is r. The length of a tangent drawn to this circle from a point distant d from its center is

- a) $\sqrt{r^2 + d^2}$

- b) $\sqrt{d^2 - r^2}$
 c) $r^2 + d^2$
 d) $\frac{r+d}{2}$

63. In an examination the average score of ten students is 60. If the score of one student is omitted and the average score becomes 55, then the score of that student must have been.

- a) 55 b) 115
 c) 105 d) 60

64. A man had Rs.2000. He lent a part of this at 5% interest and the rest at 4% interest per annum. The total interest he received in one year was Rs.92. The money he lent at 5% interest was.

- a) Rs. 1050 b) Rs.1100
 c) Rs.1150 d) Rs.1200

65. The current population of a town is 10,000. If the population increases by 10% every year, then the population of the town after three years will be

- a) 13,000 b) 13,300
 c) 13,310 d) 13,330

66. 6 men earn as much as 8 women, 2 women earn as much as 3 boys and 4 boys earn as much as 5 girls. If a girl earns Rs.50 a day, then the earnings of a man would be

- a) Rs.115 b) Rs.125
 c) Rs.135 d) Rs.150

67. HCF and LCM of two positive integers are 23 and 11339 respectively. If one of the integers is 391, then the other one must be

- a) 29 b) 493
 c) 529 d) 667

68. $\log_{10} 10^2 + \dots + \log_{10} 10^n$ equals

- a) $n^2 + 1$
 b) $n^2 - 1$
 c) $\frac{(n^2 + n)}{2} \times \frac{n(n+1)}{3}$
 d) $\frac{(n^2 + n)}{2}$

69. If a decoration piece costs Rs.64 after a 20% discount what is its original price

- a) Rs.76.80 b) Rs.86.60
 c) Rs.80 d) Rs.88

70. If $\tan x = \frac{\sqrt{5}}{2}$, then the possible value of $\cos x$ is

- a) $\frac{2}{3}$
- b) $\frac{3}{2}$
- c) $\frac{\sqrt{5}}{3}$
- d) $\frac{3}{\sqrt{5}}$

71. The locus of a point equidistant from two parallel lines is

- a) A line perpendicular to the given lines
- b) Empty
- c) A pair of lines, one of which is parallel and other perpendicular to the given lines
- d) A line parallel to the given line such that its distance from both the lines is the same

72. The mean of the following numbers: 1,2,3,4,5,.....,51 is

- a) 12
- b) 26
- c) 25
- d) 17

73. In a frequency distribution of words in the following extract "statistics is the science of measurement of the social organism as a whole in all its manifestations" proportion of words with five letters or more according to their length (number of letters), omitting punctuation marks, will be

- a) $\frac{7}{17}$
- b) $\frac{6}{17}$
- c) 7
- d) $\frac{8}{17}$

74. The difference between the simple interest and compound interest on a certain sum of money is Rs.24.80 at 10% per annum in 3 years. The sum (in Rs.) is

- a) 200
- b) 400
- c) 800
- d) 1600

75. The graphs of the equations $2x + 5y = 34$ and $x + 3y = 20$ meet at the point

- a) (6,2)
- b) (7,4)
- c) (2,6)
- d) (17,1)

Section- D
General Awareness and Social Studies

76. The first Asian Games were held at

- a) Bangkok
- b) New Delhi
- c) Kuala Lumpur
- d) Tokyo

77. According to the Constitution, which Fund will be under the control of the President of India?

- a) Contingency Fund of India
- b) Public Provident Fund
- c) Consolidated Fund of India
- d) State's Consolidated Fund of India

78. What is the power of Rajya Sabha regarding Bills related to finance/money matters?

- a) It can amend the bill
- b) It can summarily reject the bill
- c) It has no power regarding finance/money related bills.
- d) It can withhold the bill for 14 days and make recommendations

79. Which among the following is NOT a land locked country?

- a) Nepal
- b) Bhutan
- c) Afghanistan
- d) Bangladesh

80. At which place, Buddha delivered his first sermon?

- a) Lumbini
- b) Gaya
- c) Sarnath
- d) Vaishali

81. Section 377 of the Indian Penal Code relates to which of the following:

- a) Imposition of uniform civil code
- b) Criminalising homosexuality
- c) Legalising same sex marriage
- d) Legalising mutual consent to divorce

82. Which of the following is true?

- a) The President of India has the power to impose financial emergency and has imposed this many times
- b) The President of India has the power to impose national emergency and has imposed this on a few occasions
- c) The President of India has the power to impose constitutional emergency/president's rule in the State(s) and has imposed this only thirty times
- d) The President of India can dismiss the Prime Minister even if the latter enjoys majority support in the Lok Sabha

83. Which of the following is true?
- Only the President of India has the power to disqualify members of the State Legislative Assembly
 - Only the Governor of the State has the power to disqualify members of the State Legislative Assembly
 - Only the Speaker of the Lok Sabha has the power to disqualify members of the State Legislative Assembly
 - Only the Speaker of the State Legislative Assembly has the power to disqualify members of the State Legislative Assembly
84. What does the acronym NIA stand for?
- National Intelligence Agency
 - National Information Agency
 - National Investigation Agency
 - National Infrastructure Agency
85. Which of the following is *not* true about Indian parliament?
- It is a bicameral house
 - The President of India presides over the sessions of both houses of the Parliament
 - The judiciary cannot question the legislative wisdom of the Parliament
 - The Speaker of the Lok Sabha presides over joint session of both houses of the Parliament
86. The number of pin code zones in India is _____?
- 10
 - 12
 - 8
 - 9
87. Which of the following is known as 'silent killer'?
- Elephantiasis
 - Tuberculosis
 - Blood Pressure
 - AIDS
88. Which of the following animal breathe through their skin?
- Fish
 - Earthworm
 - Grasshopper
 - snake
89. Which of the following is an example for ball-and-socket joint in human body?
- Wrist
 - Neck
 - Shoulder
 - Knee
90. Ozone layer is present in between the following two layers of atmosphere
- Exosphere-Thermosphere
 - Thermosphere-Mesosphere
 - Troposphere-Stratosphere
 - Stratosphere-Mesosphere
91. Roger Revelle, Charles David Keeling, William Nierenberg, Fred Seitz, Fred Singer and Lancaster are names associated with
- Economic Crisis in Greece and the IMF Representatives
 - U.S Senate and NATO officials
 - Global Warming and Climate Change
 - Attack on Paris and Security Analysts

92. Who is the Author of the book *Capital in the Twenty First Century* ?
a) David Harvey b) Joseph Stiglitz
c) Thomas Piketty d) JagdishBhagwati
93. The Chairman of the National Commission for Enterprises in Unorganized Sector (NCEUS) appointed by the government of India was:
a) C.Rangarajan
b) R.Radhakrishna
c) C.H.Hanumantha Rao
d) Arjun Kumar Sengupta
94. To prevent recurrence of scams in the Indian Capital markets, the Government of India has assigned regulatory powers to
a) CII
b) RBI
c) SEBI
d) SERA
95. India has been placed in which of the following positions in the 2015 Human Development Index (HDI) rankings
a) 170
b) 130
c) 143
d) 125
96. Who among the following had abolished the practice of *sati* by law?
a) William Bentinck b) Warren Hastings c) Marquess Wellesley d) Henry Hardinge
97. Who among the following is considered to be the architect of the idea of 'village community' in India?
a) Henry Maine b) James Mill c) James Grant d) Thomas Macaulay
98. Which of the following ancient Indian king was referred to as *Devānampiya* in his edicts?
a) Bimbisara b) Samudragupta c) Asoka d) Pushyamitra Sunga
99. Which of the following British Indian province was known for the canal colonies?
a) United Province b) Punjab c) Madras d) Bengal
100. Which of the following areas of trade did India dominate in the world till the 18th century?
a) Timber b) Food grain c) Horse d) Textile