

AJMAL NATIONAL TALENT SEARCH (ANTS) EXAMINATION - 2013

Class : Degree

Time : 2 hours

Part-I (General Awareness)

Full Marks : (50+30+20)=100

1. A 72-feet-tall bronze statue of Mahatma Gandhi, the tallest in the world, was recently unveiled in which of the following places ?
(A) Gandhinagar (B) Mumbai (C) Delhi (D) Patna
2. World's first ever SMS was sent from Vodafone's engineer Neil Papworth to Richard Jarvis of the same company on 3rd December 1992 and the message was
(A) We did it ! (B) Eureka ! (C) Merry Christmas ! (D) Now the letter talks.
3. According to recent data which of the following Indian states recorded the highest growth rate in the 11th Five Year Plan ?
(A) Gujarat (B) Maharashtra (C) Bihar (D) Tamilnadu
4. Except which one of the following Indian Prime Ministers, the others have presented the union budget seven times or more ?
(A) Morarji Desai (B) Yashwant sinha (C) P.Chidambaram (D) Manmohan Singh
5. India's national aquatic animal is
(A) Crocodile (B) Dolphin (C) Lobster (D) Olive Riddle Turtle
6. The original name given to the Mahabharata was
(A) The Kurukshetra (B) the Fifth Veda (C) Jaya (D) Vyasa ukti
7. The first Indian developed rocket was
(A) Rohini-RH75 (B) Aryabhata (C) Apple (D) INSAT-1A
8. Which of the following is not among the **principal organs** of the United Nations ?
(A) General Assembly (B) Security Council
(C) International Court of justice (D) International Trade Organization
9. The present President of the International Cricket Council is ...
(A) Sharad Pawar (B) David Morgan (C) Jagmohan Dalmiya (D) Alan Isaac

10. Among the states in India the one that tops the list in highest per capita income with Rs.1,92,652/- is
- (A) Gijarat (B) Delhi (C) Goa (D) Haryana
11. Adolf Hitler kept "swastika" as his party's emblem and his followers were known as
- (A) Red shirts (B) blue shirts (C) black shirts (D) brown shirts
12. The Finance Minister Mr P.Chidambaram mentioned in his budget speech of 2013 about government funding for converting a San Francisco based memorial in to a museum and a library. The memorial is
- (A) Gandhi Memorial (B) Bengal Volunteers Memorial
(C) Jugantar Memorial (D) Ghadar Memorial
13. Who among the following was not among the panel members in the Justice J.S. Verma Committee set up by the government to look in to crime against women in the aftermath of the gang rape of a Delhi girl in December 2012 ?
- (A) Justice J.S.Verma (B) Justice Leila Seth (C) Mr. Gopal subramaniam (D) Justice D.K.Jain
14. The first ever state in India to create a unique code for every child in the schooling system and a centralized database for tracking the student's education record till completion of Standard 10 class is
- (A) Goa (B) Kerala (C) Delhi (D) Karnataka
15. The child who was honoured posthumously with the National Bravery Awards,2012,is
- (A) Adityhya Gopal from Arunachal (B) Asit Ranjal Sama from Orissa
(C) C.Vanlalhruaia from Mizoram (D) Ramdinthara from Mizoram
16. Where in modern India was the ancient kingdom of *Virata* ?
- (A) Ajmer (B) Patna (C) Haryana (D) Mathura
17. In the Mahabharata who were Abhimanyu's parents ?
- (A) Arjuna and Uluchi (B) Arjuna and Subhadra
(C) Arjuna and Chitrangada (D) Arjuna and Draupadi
18. Which of the following is not among the ten incarnations of lord Vishnu ?
- (A) Krishna (B) Balarama (C) Rama (D) Parashuram
19. The oldest collection of stories in India is
- (A) Panchatantra (B) Kathasaritasagara (C) Hitopadesa (D) Jataka Tales

20. The Indian army has asked for a change of its standard assault Rifle which has been in use since 1993-94. The Rifle presently in use is
- (A) Steur-AUG (B) FN FAL Self Loading Rifle (C) AK-74M (D) INSAS
21. According to the journal "Nature Geoscience", fragment of an ancient microcontinent which was part of a supercontinent that existed around 750 million years ago lies buried beneath the floor of the Indian ocean between Madagascar and India. Geoscientists have called this vanished strip of land as
- (A) Pangaea (B) Rodinia (C) Mauritia (D) Indo-Madgia
22. *Tamasha* and *Dahi Handi* are folk dances of
- (A) Maharashtra (B) Odisha (C) Gujarat (D) West Bengal
23. Pollution Control Research Institute is located at
- (A) Lucknow (B) Mussoorie (C) Haridwar (D) Shimla
24. The old name of Ethiopia was
- (A) Batavia (B) Salisbury (C) Abyssinia (D) Rhodesia
25. Blackberry sets are made by RIM. RIM stands for :
- (A) Reliance India Mobile (B) Research in Motion
(C) Real time Internet Manufacturers (D) Rapid Interconnectivity Mobiles.
26. The split of the Congress in to Moderates and Extremists took place during the session at :
- (A) Ahmedabad (B) Lucknow (C) Surat (D) Madras
27. Which among the following has the primary function of distributing the revenue between the centre and the states in India ?
- (A) Planning Commission (B) Inter-state Council
(C) Comptroller and Auditor General of India (D) Finance Commission
28. Which South Asian country is known as 'the Land of Canals'?
- (A) Maldives (B) Bangladesh (C) Srilanka (D) Pakistan
29. The Roman numeral for 1000 is ;
- (A) X (B) C (C) D (D) M

30. A badminton shuttle cock has feathers.
 (A) 16 (B) 12 (C) 14 (D) 10
31. Which of the following is not associated with loudness.
 (A) Decible (B) Phon (C) Sone (D) Tone
32. Match Column A with Column B
- | A | | B | |
|---------------------|-----------------------|---|--|
| 1. Common salt | i. Sodium Bicarbonate | | |
| 2. Plaster of Paris | ii. Sodium Chloride | | |
| 3. Washing Soda | iii. Calcium Sulphate | | |
| 4. Baking Powder | iv. Sodium Carbonate | | |
- (A) 1 ii, 2 ii, 3iii, 4 iv (B) 1 i , 2 iv, 3 ii, 4 iv (C) 1 iii, 2 iv, 3 ii, 4 I (D) 1 ii, 2 iii, 3 iv, 4 i
33. The decadal growth rate in population of Assam during the decade 2000 to 2010 as per the 2011 census is :
 (A) 10.93% (B) 14.93% (C) 16.93% (D) 18.93%
34. Which of the following constitutional amendments reduced the voting age from 21 to 18 years of age for both Lok Sabha and assembly elections ?
 (A) 55th Amendment, 1986 (B) 61st Amendment, 1989
 (C) 71st Amendment, 1992 (D) 82nd Amendment, 2000.
35. The territorial waters of India extends up to ----- nautical miles and one nautical mile is equal to ----- kms.
 (A) 12 and 3 kms (B) 6 and 2 kms (C) 10 and 1.1 kms (D) 12 and 1.6 kms
36. "Manusmriti" deals with.....
 (A) Economics (B) law (C) Geography (D) Veda
37. The book "Crime and Punishment" is authored by
 (A) Ram Jethamalni (B) John K. Galbraith (C) Fyodor M. Dostoyevsky (D) Kuldip Nayyar.
38. The instrument used to measure blood pressure is.....
 (A) Stethoscope (B) Endoscope (C) sphygmomanometer (D) radiometer
39. Antipyretics are drugs used against
 (A) pain (B) fever (C) infection (D) nausea

40. An amendment to the constitution can be initiated in the
- (A) Lok Sabha (B) Rajya Sabha (C) Supreme court (D) either ((A) or ((B).
41. Finance Commission is a
- (A) Statutory body (B) Non-statutory body (C) Constitutional body (D) None of the above
42. "Xugondhi Pokhilaa", "Rudra Kamona" and " Bibhinno dinor Kobita" are some of the renowned poetic works of :
- (A) Hem Barua (B) Nilamani Phookan (C) Hiren Bhattacharyya (D) Harekrishna Deka
43. Government of Assam is setting up a Science City at And the project is titled
- (A) Narengi, Wonderland (B) Sonapur, Mini Assam
(B) Bashistha, Millenium Dream (D) Jorhat, Vigyan Nagar
44. The largest area under forest cover among the Northeastern states is in
- (A) Assam (B) Mizoram (C) Nagaland (D) Arunachal Pradesh
45. Gratuity is paid at the rate of Salary / wages for each completed year of service.
- (A) 15 days subject to a maximum of ten lakh rupees.
(B) 16 days subject to a maximum of eight lakh rupees.
(C) 25 days subject to a maximum of five lakh rupees
(D) 20 days subject to a maximum of ten lakh rupees.
46. The oldest existing news paper in India is
- (A) Bombay Samachar (B) Anand Bazar Patrika (C) Times of India (D) Punjab Kesari
47. "The Algebra of Infinite Justice" is a book authored by :
- (A) Arundhati Roy (B) Jhumpa Lahiri (C) Sobha Dey (D) Anita Desai
48. "Blue Revolution" refers to :
- (A) indigo plantation (B) Forest development (C) Poultry farming (D) Fishing
49. Which one of the following looked after the military department under the Mughals ?
- (A) Mir-i-saman (B) Sadr-us-sudur (C) Mir-i-Bakshi (D) Diwani-i-Ala
50. Lead pencils contain
- (A) Graphite (B) Lead (C) Carbon (D) black silver

51. No one ----- about me.
 (A) shall worry (B) will worry (C) needs to worry (D) need worry
52. If you drink too much, it will ----- your judgement.
 (A) impede (B) impair (C) impose (D) impel
53. This building comprises twenty rooms.
 (A) of (B) with (C) in (D) None of these.
54. All employees are kindly requested to from smoking in the presence of customers.
 (A) stop (B) restrain (C) refrain (D) restrict
55. My father is one of those who appreciate music.
 (A) does (B) do not (C) does not (D) did not.
56. It's time we _____ some employment for ourselves.
 (A) find. (B) have found. (C) must find. (D) found
57. Use your commonsense , ----- ?
 (A) will you ? (B) won't you ? (C) can't you ? (D) don't you ?
58. ----- did you give it to ?
 (A) who (B) whom (C) to whom (D) to who
59. The police ----- the mob.
 (A) scattered (B) drove (C) disbanded (D) dispersed.
60. By the time we reach there Samant
 (A) will leave (B) will be leaving (C) will have left (D) would have left
61. If you were stopped by the police for speeding, what you do ?
 (A) will (B) would (C) do (D) shall
62. I would rather you a taxi.
 (A) took (B) would take (C) take (D) had better take

(A) mind

(B) head

(C) hand

(D) money

64. I have tried again and again but my computer still shows "error". I just can't
what's wrong .

(A) Bring out

(B) check out

(C) figure out

(D) look

The sentence given here in Active Voice will be changed to which of the following in Passive Voice ?

65. "I know him . "

(A) He is known by me

(B) I am known by him

(C) He is known to me.

(D) He is known for me.

Choose the word **nearest in meaning** to the word in *italics* (66, 67)

66. The chairman conducted the meeting with ***aplomb***.

(A) Arrogance

(B) annoyance

(C) poise

(D) authority.

67. His lecture had a ***soporific*** effect on the audience.

(A) flattering

(B) sickening

(C) exciting

(D) sleep-producing.

Choose the word which carries the **opposite meaning** of the word in italics in the sentence. (68, 69)

68. His speech was ***replete*** with allusions.

(A) full of

(B) devoid of

(C) improper

(D) frank

69. Religious leaders are ***venerated*** in all communities.

(A) defamed

(B) abused

(C) criticized

(D) accused

70. Aquiline is the adjective connected with the word :

(A) water

(B) Eagle

(C) cat

(D) sea

71. "Emetic" is a medicine that causes

(A) bleeding

(B) sleep

(C) sweating

(D) vomiting.

Choose the option that gives the correct sense of the idioms / phrases in the following sentences.

72. To **break the ice**, he started talking with his neighbour about the weather.

(A) to start an argument.

(B) to prepare a cold drink

(C) to overcome shyness or reserve which prevented conversation.

(D) to light a fire in the room.

73. He knows **which side his bread is buttered**.

(A) knows how to butter a slice

(B) knows the art of cooking

(C) knows how to flatter

(D) knows where his advantage lies.

In each of the following questions, (74 - 76) you are given a related pair of words in capital letters. Each capitalized pair is followed by four pairs of words. Choose the pair which best expresses a relationship similar to that expressed by the original pair.

74. PUERILE : BOY ::

(A) Subdued : riot

(B) intrusive : family

(C) docile : wild

(D) juvenile : youth

75. COLOUR : SPECTRUM ::

(A) singer : music

(B) book : cover

(C) letter : alphabet

(D) conductor : orchestra

76. MEASLES : DISEASE ::

(A) novel : chapter

(B) melody : rhythm

(C) monarchy : government

(D) portrait : painter

The following sentences are divided into three parts and each part is underlined and marked A,B,C. Only one part contains an error. Identify the error part. If there is no error, mark it ((D). (Q.77 to 80)

77. On last Sunday

I went fishing

with my father

No error

(A)

(B)

(C)

(D)

78. His daughter

is married

with a doctor

No error.

(A)

(B)

(C)

(D)

79. This shampoo is

ideal for people

with dry hairs

No error.

(A)

(B)

(C)

(D)

80. Last April

I wrote to you

requesting for a refund

No error.

(A)

(B)

(C)

(D)

Part- III (Logical Reasoning and aptitude)

81. If the following words are arranged in an alphabetical order, which word will appear at the end ?

(A) Olympic

(B) Olympia

(C) Oval

(D) Ovulet

82. If the following words are arranged in an alphabetical order, which word will appear in the middle ?

(A) Principal

(B) Principle

(C) principia

(D) Principled

(E) priceless

83. Find the word that can not be formed from the letters used in the word ' **STRANGE**'

(A) GANGSTER

(B) RANGES

(C) ANGELS

(D) GRANTS

- (A) TOMATO (B) ROTATION (C) OASIS (D) ASTROMETER

85. If the following scrambled letters are rearranged to form the name of a city, the city so formed is famous for its:

WILGARO

- (A) Locks (B) Steel Plant (C) Temples (D) Pottery

86. 'Goitre' is related to 'Iodine' as 'Anaemia' is related to

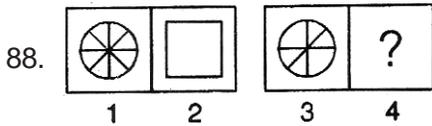
- (A) vitamin (B) blood (C) iron (D) weakness

87. 'Numismatics' is related to 'coins' in the same way as 'Paleontology' is related to..

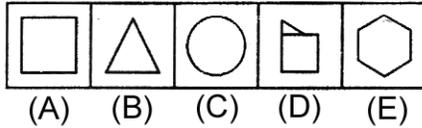
- (A) Earth (B) Soil (C) Fossils (D) Stones

The Second figure in the first part of the problem figures bears a certain relationship to the first figure. Similarly one of the figures in answer figures bears the same relationship to the 3rd figure in the question. You have to select the figure from the set of answer figures which would replace the sign of question mark(?).

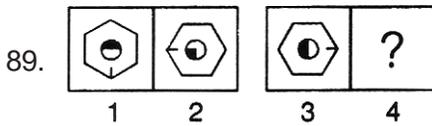
Problem Figures



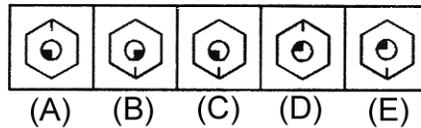
Answer Figures



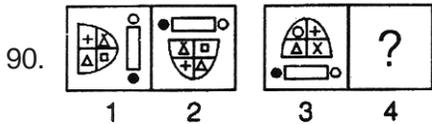
Problem Figures



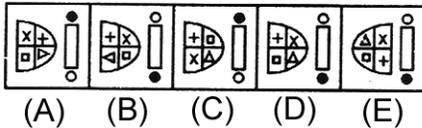
Answer Figures



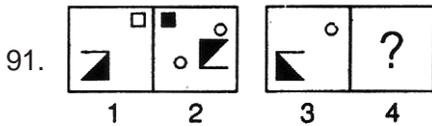
Problem Figures



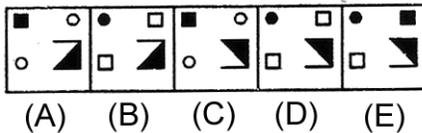
Answer Figures



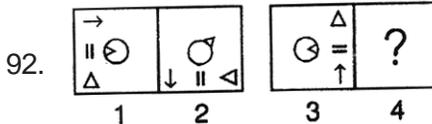
Problem Figures



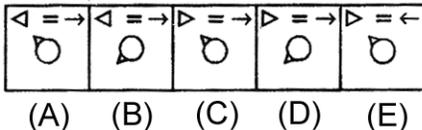
Answer Figures



Problem Figures



Answer Figures



93. 2, 9, 28, 65,
(A) 121 (B) 195 (C) 126 (D) 103

94. 101, 100, 87, 71, 46
(A) 92 (B) 88 (C) 89 (D) 96

In each of the following questions one number is wrong in the series. Find out the wrong number.

95. 1, 2, 6, 21, 84, 445, 2676
(A) 2 (B) 6 (C) 21 (D) 84 (E) 445

96. 3, 6, 9, 22.5, 67.5, 236.25, 945
(A) 6 (B) 9 (C) 22.5 (D) 67.5

In each of the following questions find the correct answer from the given alternatives.

97. If MADRAS is coded as NZEQBR then CALCUTTA will be coded as :
(A) OZMBVSUB (B) DZMBVSUZ (C) DZMBVUUZ (D) BBKBTUSB

98. If BROWN is coded as ZPMUL then VIOLET will be coded as :
(A) TGMJCR (B) SGMJCQ (C) TGMJCQ (D) TGWCQJ

Read the information carefully and answer the questions based on it.

Six persons are sitting in a circle. A is facing B. B is to the right of E and left of C. C is to the left of D. F is to the right of A. Now D exchanges his seat with F and E exchanges his seat with B.

99. Who will be sitting to the left of D ?
(A) B (B) F (C) E (D) A

100. Who will be sitting to the left of C ?
(A) E (B) F (C) A (D) B

XXXXXX