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Agricultural Scientists Recruitment Board

Administrative Officer
Paper I and Paper II



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Administrative Officer/Finance & Accounts Officer Examination – 2011

Paper I

Time : 2 hours

Total Marks : 200

Section – A (General Awareness)

(50 Marks)

All Questions are Compulsory. Each Question Carries one mark

1. Which one of the following is a human Right as well as Fundamental Right under the Constitution of India ?
 - (a) Right to Information
 - (b) Right to education
 - (c) Right to work
 - (d) Right to housing
2. Which one of the following Commissions was appointed by the Govt. to investigate into the massacre in Jalianwala Bagh ?
 - (a) Welby Commission
 - (b) Hunter Commission
 - (c) Simon Commission
 - (d) Butler Commission
3. Which Vitamin is good for the eyes ?
 - (a) Vitamin A
 - (b) Vitamin B
 - (c) Vitamin C
 - (d) Vitamin K
4. Asian Development Bank is located in
 - (a) Tokyo
 - (b) Manila
 - (c) Hong Kong
 - (d) Singapore
5. ‘Agmark’ is a symbol of purity and quality of
 - (a) Medicines
 - (b) Cosmetics
 - (c) Food Products
 - (d) Woolens
6. Steven Spielberg is a well known



- (a) Music Director
- (b) Football Player
- (c) Film Director
- (d) Actor

7. Dudwa National Park is located in

- (a) Uttar Pradesh
- (b) Uttarakhand
- (c) Madhya Pradesh
- (d) West Bengal

8. Sultan Azlan Shah Cup is associated with the game of

- (a) Cricket
- (b) Football
- (c) Badminton
- (d) Hockey

9. Famous Film 'Slumdog Millionaire' which won Eight Oscars was based on the book written by

- (a) Arvind Adiga
- (b) Mukul Sharma
- (c) Vikas Swarup
- (d) Chetan Bhagat

10. Which of the following Statement is true ?

- (a) Lightning never hits trees
- (b) Riding a bicycle during Lightning is safe
- (c) Going for a swim during Lightning is safe
- (d) Tall objects are more prone to lightning strike

11. Which is 'Sun rise' industry

- (a) Which does not pollute the environment
- (b) Which has a great efficiency to export
- (c) Which consumes large amount of energy
- (d) None of the above

12. Devaluation of currency affects

- (a) Fall in Domestic values
- (b) No effect on domestic prices
- (c) Increase in domestic values
- (d) None of the above

13. Sphygmomanometer is an instrument used for measuring

- (a) Blood Sugar
- (b) Blood Pressure
- (c) Cholesterol
- (d) Uric Acid



14. A soap bubble shows colours when illuminated with white light. This is due to

- (a) Diffraction
- (b) Polarisation
- (c) Interference
- (d) Reflection

15. The term 'Green Revolution' has been used to indicate higher production through

- (a) Creation of grasslands
- (b) Planting of more trees
- (c) Enhanced Agricultural Productivity
- (d) Creation of gardens in urban areas

16. It is difficult to cook rice

- (a) At the top of the mountain
- (b) At the sea level
- (c) Under a mine
- (d) Same anywhere

17. A dynamo is a device which

- (a) Creates mechanical energy
- (b) Creates electrical energy
- (c) Converts mechanical energy
- (d) Converts electrical energy into mechanical energy

18. A person is hurt on kicking a stone due to

- (a) Inertia
- (b) Velocity
- (c) Reaction
- (d) Momentum

19. Who founded the Banaras Hindu University ?

- (a) Mahatma Gandhi
- (b) Madan Mohan Malviya
- (c) Jawaharlal Nehru
- (d) None of the above

20. Which one among the following has the largest shipyard in India ?

- (a) Kolkata
- (b) Kochi
- (c) Mumbai
- (d) Visakhapatnam

21. Which of the following was adopted from the Maurya Dynasty in the Emblem of Government of India ?

- (a) Four lions
- (b) Chariot Wheels
- (c) Horse

(d) Words 'Satyamev Jayate'

22. Who among the following is known as the Father of the Indian Constitution ?

- (a) Mahatma Gandhi
- (b) Dr B R Ambedkar
- (c) Jawaharlal Nehru
- (d) Vallabhbhai Patel

23. Bank Rate is the rate at which

- (a) A bank lends to the public
- (b) Reserve Bank lends to the public
- (c) Govt. of India lends to the public
- (d) Reserve Bank gives credit to commercial Banks

24. Which bank gives long term loan to farmers ?

- (a) NABARD
- (b) Land Development Bank
- (c) State Bank of India
- (d) Rural Banks

25. The Principal source of revenue to the state Governments in India is

- (a) Income tax
- (b) Sales tax
- (c) State Excise Duties
- (d) Land Revenue

26. The Headquarters of IMF and World Bank are located at

- (a) Geneva and Montreal
- (b) Geneva and Vienna
- (c) New York and Geneva
- (d) Both at Washington D.C.

27. Nuclear Fission is cause by impact of

- (a) Proton
- (b) Electron
- (c) Neutron
- (d) None of the above

28. The Best Conductor of electricity is

- (a) Filtered hot water
- (b) Distilled hot water
- (c) Filtered water at room temperature
- (d) Salt water

29. 'Dialysis' is used for patients with defective kidneys. It involves the process of

- (a) Absorption
- (b) Osmosis
- (c) Electrophoresis

(d) Diffusion

30. What can be the maximum length of a Cricket bat ?

- (a) 32”
- (b) 34”
- (c) 36”
- (d) 38”

31. The First Indian Women to scale Mount Everest was

- (a) Arati Saha
- (b) Asha Agrawal
- (c) Bachendri Pal
- (d) Shanta Rangaswami

32. Dr. M.S. Swaminathan has distinguished himself in :

- (a) Nuclear Physics
- (b) Agriculture
- (c) Astrophysics
- (d) Medicine

33. The book ‘Satanic Verses’ was written by

- (a) Gunnar Myrdal
- (b) Agatha Christie
- (c) William Golding
- (d) Salman Rushdie

34. The Headquarters of the International Red Cross is situated in

- (a) Geneva
- (b) Paris
- (c) Vienna
- (d) The Hague

35. World ‘Environment day’ falls on

- (a) November 14
- (b) June 5
- (c) October 2
- (d) November 19

36. ‘Arjuna Award’ is given for

- (a) Bravery in battlefield
- (b) Outstanding performance in sports
- (c) Exceptional Service in Emergency
- (d) Outstanding Service in Slums

37. Who was the first Indian to receive a Nobel Prize ?

- (a) Hargobind Khorana
- (b) Sir C.V. Raman
- (c) Rabindranath Tagore

(d) Morarji Desai

38. Which of the following is the publisher of 'Employment News' ?

- (a) Indian Express group
- (b) Times of India Group
- (c) Professional Management Group
- (d) Ministry of Information & Broadcasting

39. The First movement launched against the British in India was

- (a) Swadeshi Movement
- (b) Non-Cooperation Movement
- (c) Quit India Movement
- (d) Khilafat Movement

40. 'Kathakali' a famous classical dance form is associated with the following state ?

- (a) Tamil Nadu
- (b) Kerala
- (c) Karnataka
- (d) Andhra Pradesh

41. With which game the 'Davis Cup' is associated ?

- (a) Cricket
- (b) Football
- (c) Tennis
- (d) Badminton

42. What is GDP ?

- (a) Grant doubling Process
- (b) Government Dream Project
- (c) Gross Domestic Product
- (d) Government Development Plan

43. What is the highest "Gallantry Award" in India ?

- (a) Param Vir Chakra
- (b) Bharat Ratna
- (c) Mahavir Chakra
- (d) Padma Vibhushan

44. "White Flag" represents a symbol for

- (a) Protest
- (b) Danger
- (c) Truce
- (d) Justice

45. Which part of the human body is affected by the disease "Jaundice"

- (a) Throat
- (b) Liver
- (c) Eyes

(d) Brain

46. The Deficiency of iodine leads to

- (a) Diabetes
- (b) Leukemia
- (c) Jaundice
- (d) Goitre

47. Which pair is not shown correctly

- (a) Indira Nooyi – Pepsico
- (b) Chanda Kochhar – ICICI Bank
- (c) Naina Lal Kidwai – Airtel
- (d) Kiran Majumdar Shaw – Biocon

48. Which city will be the venue for the next Olympic games in 2012 ?

- (a) Beijing
- (b) Moscow
- (c) London
- (d) Rome

49. Gary Kirsten, the recent Coach of the Indian Cricket Team has played cricket for

- (a) South Africa
- (b) Australia
- (c) New Zealand
- (d) England

50. Which pair is not correctly related to Cricket world Cup 2011 ?

- (a) Man of the tournament – Yuvraj Singh
- (b) Hosts of the World Cup – India, Sri Lanka and Pakistan
- (c) Man of the Match of the Final – M.S. Dhoni
- (d) Maximum runs by Indian Cricketer – Sachin Tendulkar

Section – B (General Intelligence & Reasoning Ability) (50 Marks)

Directions for Q. NO. 51 to 55

In the following questions choose the correct answer where (?) is indicated

$$51. \ 1\frac{3}{4} - 1\frac{5}{6} = (?)^2 - 2\frac{1}{3}$$

- (a) $\frac{3}{4}$
- (b) $1\frac{1}{2}$
- (c) $2\frac{1}{4}$

(d) $2\frac{1}{2}$

52. $(8)^3 \div (16)^2 \times 32 = (2)^{? - 4} \div (4)^2$

(a) 12
(b) 18
(c) 14
(d) 10

53. $\sqrt{3178} \times \sqrt{1330} \div \sqrt{360} = ?$

(a) 130
(b) 110
(c) 140
(d) 160

54. 336, 224, 168, 140, 126 ?

(a) 119
(b) 118
(c) 116
(d) 121

55. 697, 553, 453, 389, 353, ?

(a) 328
(b) 337
(c) 362
(d) 338

56. If SMOOTH is coded as 135579, ROUGH as 975531 and HARD as 9498, then SOFT will be coded as

(a) 1527
(b) 1347
(c) 4998
(d) 8949

57. If the code ABCDEF is ZYXWVU, then what is the code for PASS ?

(a) KZHN
(b) KHZZ
(c) KMHM
(d) WZHH

58. If NOR is coded as 2-3-6, then how should REST be coded in the same code language ?

(a) 6-19-6-7
(b) 5-19-5-8
(c) 6-19-7-8
(d) 6-18-5-8

59. In a certain code, EASE is written as GUCG. How is CUT written in that code ?

(a) UWE
(b) VWE

- (c) EWU
- (d) CWF

60. If PICTURE is coded as TUVWXYZ, then PATCH would be coded as

- (a) WTZYU
- (b) TWXYZ
- (c) TQWVM
- (d) MTUVW

Directions for Q. No. 61 to 65. In the following questions, choose the pair/group of words that show the same relationship as given at the top of every pair.

61. Incandescent : Glowing

- (a) Indefatigable : Untiring
- (b) Boor : Oafish
- (c) Tedious : Bore
- (d) Flash : Flame

62. Straws : Nest

- (a) Water : Stream
- (b) Animals : Zoo
- (c) Threads : Cloth
- (d) Wood : Paper

63. Primeval : Medieval

- (a) Dinosaur : Dragon
- (b) Gorilla : Soldier
- (c) Evolution : Revelation
- (d) Thorn : Rose

64. Elevated : Exalted

- (a) Purified : Hygienic
- (b) Dirty : Filthy
- (c) Promoted : Excellence
- (d) Disorderly : Unfaithful

65. Brain : Kidney

- (a) Ocean : River
- (b) Room : Kitchen
- (c) Book : Page
- (d) Cotton : Thread

Directions (Q. NO. 66 to 70) Read the following information and answer the questions based on them :

A family consists of seven members P, Q, R, S, T, U, V. There are three married couples. Q is an engineer and father of T, U is grandfather of T and is a contractor. R is daughter-in-law of S who is a nurse is a nurse by occupation, V is T's uncle who is a Professor. There is one student, one housewife and one doctor in the family. The Student is unmarried and R is the sister-in-law of Q.

66. Who is R's husband

- (a) V
- (b) Q
- (c) T
- (d) R

67. Who is T's aunt ?

- (a) S
- (b) P
- (c) R
- (d) None of these

68. What is the profession of P ?

- (a) Housewife
- (b) Nurse
- (c) Doctor
- (d) (a) or (c)

69. Which of the following are married couples ?

- (a) PV, QR, US
- (b) VT, PQ, US
- (c) PQ, RV and US
- (d) None of these

70. Which of the following is definitely a group of female members ?

- (a) PRST
- (b) PRT
- (c) PRS
- (d) None of these

Direction (Q.No. 71 – 78) In each Question below are two statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts and decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts.

Give Answer

- (a) If only Conclusion I follows
- (b) If Only Conclusion II follows
- (c) If either I or II Follows
- (d) If neither I nor II Follows

71. Statements : (1) Some Players are singers
Conclusions : (1) Some Players are tall
(2) All Singers are tall
(2) All Players are tall.

72. Statements : (1) Some Vegetables are fruits
Conclusions : (1) Some Fruits are vegetables
(2) No Fruit is black
(2) No vegetable is black

73. Statements : (1) Some fools are intelligent
Conclusions : (1) Some Fools are great
(2) Some intelligent are great
(2) All great are intelligent

74. Statements : (1) Some books are pens
Conclusions : (1) Some books are pencils
(2) No Pen is pencil.
(2) No book is a pencil

75. Statements : (1) Some cities are villages.
Conclusions : (1) Some cities are towns
(2) Some towns are village.
(2) No city is town.

76. Statements : (1) All Poets are readers.
Conclusions : (1) No Poet is wise
(2) No reader is wise.
(2) All readers are poets.

77. Statements : (1) Some trees are small
Conclusions : (1) All Plants are small
(2) All small are plants
(3) All small are trees.

78. Statements : (1) All pens are cycles
Conclusions : (1) No Pig is Pen
(2) All pigs are cycles
(2) Some pigs are pens

Directions for Q. 79 to 81

Each of the questions given below is followed by two Arguments numbered 1 and 2. You have to decide which of the Arguments is a 'Strong' argument and which is a 'weak' argument. Give your answer as :

- a) If Only Argument 1 is strong
- b) If Argument 2 is strong
- c) If either 1 or 2 is strong
- d) If neither 1 nor 2 is strong

79. Statement : Should India go in for computerization of industry ?

Arguments :

1. No. Computerisation demands a lot of money. We should not waste money on it.

2. Yes. When Advanced countries are introducing computers in various areas, how can we afford to lag behind ?

80. Statement : Should Personal tax be abolished in India ?

Arguments :

1. Yes. It will motivate people to earn more.
2. No. Individuals must learn to share their wealth with other people.

81. Statement : Should non-vegetarian food be totally banned in our Country ?

Arguments :

1. Yes. It is expensive and therefore beyond the means of most people in our country.
2. No. Nothing should be banned in a democratic country.

Directions for Q 82 to 85

A set of Assertion (A) and reason (R) is given in each of these questions. Make your answer as per the choice given below :

- a) Both (A) and (R) are true and (R) is the correct explanation of (A)
- b) (A) is true but (R) is false.
- c) (A) is false but (R) is true.
- d) Both (A) and (R) are false.

82. Assertion (A) : We Prefer wear white clothes in Winter.

Reason (R) : White Clothes are good Reflectors of heat.

83. Assertion (A) : We feel comfortable in hot and humid climate.

Reason (R) : Sweat evaporates faster in humid climate.

84. Assertion (A) : Most of the Himalayan rivers are perennial.

Reason (R) : They are fed by melting snow.

85. Assertion (A) : Bangladesh imports jute from India.

Reason (R) : Bangladesh has most of the jute mills.

Directions for Q 86 to Q 90

In these questions, two statements are given followed by two conclusions I and II. You have to consider both the statements to be true even if they seem to be at variance from commonly

known facts. You have to decide which of the given conclusion(s) is/are definitely drawn from the given statements

Answer (1) If only I follow

Answer (2) If only II follows

Answer (3) If neither I nor II follows

Answer (4) If both I and II follows

86. Statements :

Without rains the crops will not be good.

The Crops are good.

Conclusions :

I. There are rains.

II. Crops are good due to good fertilizers.

87. Statements :

According to the Evolution Theory, man evolved from a monkey.

X is a monkey.

Conclusions :

I. X can become a man. II. Man can become a monkey.

88. Statements :

Some businessmen are rich.

Soman is rich.

Conclusions :

I. Soman is a businessman

II. Soman has a big farm.

89. Statements :

When it rains, usually X does not go out.

X has gone out.

Conclusions :

I. It is not raining .

II. X has some urgent business to transact.

90. Statements :

All employees of a company A have identity cards.

Ram is an employee of Company A.

Conclusions :

- I. Ram has an identity card.
- II. Ram is the General Manager of the Company.

91. Yard is to inch as quarts is to

- a) Gallon
- b) Ounce
- c) Milk
- d) Liquid

92. Marathon is to race as hibernation is to

- a) Winter
- b) Bear
- c) Dream
- d) Sleep

93. Odometer is to mileage as compass is to

- a) Speed
- b) Hiking
- c) Needle
- d) Direction

Direction for Q 94 to Q 97

Pick the odd one out

94. A) Aishwarya Rai
B) Kareena Kapoor
C) Diana Hayden
D) Priyanka Chopra

95. A) Discuss
B) Marathon
C) Javeline
D) Shotput

96. A) Education
B) Equation

- C) Evaluation
- D) Estimation

97. A) Jasmine

- B) Marigold
- C) Rose
- D) Lotus

98. The Combined age of a couple is 65 years. Wife is 5 years younger to the husband. What is the age of the husband ?

- a) 30 years
- b) 32 years
- c) 35 years
- d) 37 years

99. Krishna is married to Nirmala and Ashish is their son who is the brother of Rajshree . Jaishree is sister of Rajshree. Madhu says Nirmala is my mother. In the relationship , Madhu is Jaishree's ?

- a) Mother
- b) Daughter
- c) Sister
- d) No relation

100. Geethika is married to Rajan, The Couple has a son who is five years old. The Combined age of the couple is 64 years and Gethika is 4 years younger in age. What is the age of Rajan ?

- a) 34 years
- b) 36 years
- c) 38 years
- d) 40 years

Section - C (Arithmetic and Numerical Ability)

(50 Marks)

101. Sachin scored 482 runs in the World Cup 2011. He played in 10 matches but did not bat at all in one of the match. Moreover, he remained unbeaten in one inning. What was his batting average ?

- a) 48.20
- b) 53.56
- c) 60.25

d) 68.86

102. 6, 24, 60, 120, ...?..... 336

- a) 210
- b) 240
- c) 260
- d) 280

103. 16 : ? : ? : 900. Find the missing numbers.

- a) 100
- b) 110
- c) 120
- d) 140

104. After five years from now the ratio between the ages of Neha and Sudha will be 4:5. The total of their present ages is 17 years. What is the age of Neha ?

- a) 7 years
- b) 8 years
- c) 9 years
- d) 10 years

105. When a number is divided by 7 the remainder is 4. When the same number is divided by 6 the remainder is 3. What is the number ?

- a) 34
- b) 39
- c) 44
- d) 53

106. Multiply $3x$ and $5x + 4y$ and find the product

- a) $12x^2 + 20xy$
- b) $15x^2 + 12xy$
- c) $20x^2 + 12xy$
- d) $12x^2 + 15xy$

107. How much time will an aircraft travelling at a speed of 750km per hour take to cover a distance of 500 km ?

- a) 35 minutes
- b) 40 minutes
- c) 45 minutes
- d) 50 minutes

108. The difference between two odd numbers when multiplied with 3 is 78. The first number is 19. Find out the other number ?

- a) 25
- b) 26
- c) 35
- d) 45

109. Divide $34x^3 - 17x^2 + 51$ by $17x$

- a) $2x^3 - x^2 + 3$
- b) $2x^2 + x + 3$
- c) $2x^2 - x + 3x$
- d) $2x^2 - x + 3$

110. How many multiples of 4 lie between 10 and 250 ?

- a) 60
- b) 61
- c) 62
- d) 63

111. If 20% of 250 is to be added to 25% of 160 . What will be the sum ?

- a) 45
- b) 60
- c) 90
- d) 120

112. Sum of two numbers is 74. Value of the first number is 7^2 . What is the other number ?

- a) 24
- b) 25
- c) 62
- d) 82

113. The difference between the cost price and sell price of an article is Rs 240. If the profit percent is 20, at what price was the article sold ?

- a) Rs. 1000
- b) Rs. 1200
- c) Rs. 1440
- d) Rs. 1500

114. $6.24 - 0.0078 + 14\frac{1}{2} + 3.2678$

- a) 22

- b) 23
- c) 24
- d) 25

115. A 240 metres long train crosses a person standing on the platform in 6 seconds . What is the speed of the train ?

- a) 90 kmph
- b) 120 kmph
- c) 140 kmph
- d) 144 kmph

116. The height of a cone and its diameter are equal. If the base radius is “r” , what is its slant height ?

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

117. A man travels 50 km at a speed of 20 kmph and then returns at the speed of 30 kmph. What is his speed for the entire journey ?

- a) 24 kmph
- b) 24.5 kmph
- c) 25 kmph
- d) 25.5 kmph

118. $25\% \text{ of } 8 + 8 \% \text{ of } 25 =$

- a) 3
- b) 4
- c) 5
- d) 6

119. What is the probability that a non-leap year selected at random will contain 53 Mondays?

- a) $1/7$
- b) $2/7$
- c) $53/365$
- d) $53/366$

120. A 200 metres long train is running at the speed of 60 kmph. How much time will it take to cross a 160 metres long bridge ?

- a) 20.4 seconds

b) 22.2 seconds
c) 21.6 seconds
d) 21 seconds

121. Divide $48x + 32y + 64$ with 8. You will get
a) $4x + 5y + 8$
b) $6x + 4y + 8$
c) $6x + 4y + 16$
d) $8x + 6y + 16$

122. In what time, at simple interest will a sum of money will become three times if the rate of interest is 8% per annum ?
a) 3 years
b) 10 years
c) 20 years
d) 25 years

123. A 50 years old man has 8 children born at equal intervals. The sum of the ages of the father and children is 186. What is the age of the eldest child if the youngest one is 3 years old.
a) 33
b) 28
c) 31
d) 29

124. By selling a pen at Rs. 75 a shopkeeper earns a profit percentage equal to the cost price. What is the cost price of the pen ?
a) 48
b) 50
c) 52
d) 60

125. Five children are marching in a circle. In how many different ways they can form this circle ?
a) 24
b) 50
c) 120
d) 200

126. Which one of the followings is a square of a natural number

- a) 136162
- b) 126738
- c) 410883
- d) 385641

127. If 75% of the students in a school are boys and the number of girls is 425, the number of boys is :

- a) 1275
- b) 1050
- c) 1000
- d) 850

128. The LCM (Lowest Common Multiple) of 10, 15, 20, 30 is

- a) 50
- b) 60
- c) 70
- d) 80

129. A group of students decided to collect as many rupees from each member of the group as is the number of members. If the collection amounts to Rs. 5625, the number of members in the group is

- a) 55
- b) 65
- c) 75
- d) 85

130. 73% of 870 to be multiplied by 10, then the product will be

- a) 63.51
- b) 635.10
- c) 6351
- d) 63510

131. $15\frac{3}{4} + 16\frac{1}{2} + 10\frac{1}{4} - 7.75 =$

- a) 34
- b) $34\frac{1}{4}$
- c) $34\frac{1}{2}$
- d) $34\frac{3}{4}$

132. Sachin scored 56 runs in 40 balls, Dhoni made 44 in 30 balls, Yuvraj made 52 runs in 38 balls and Sehwag scored 36 in 25 balls. Whose scoring rate was the fastest ?

- a) Yuvraj
- b) Sachin
- c) Sehwag
- d) Dhoni

133. A van travels 504 km on 42 litres of petrol. How far it would travel in 7 litres of petrol ?

- a) 84
- b) 88
- c) 90
- d) 100

134. Find the compound interest on Rs. 16000 at 20% per annum for 9 months compounded quarterly

- a) Rs. 2500
- b) Rs. 2522
- c) Rs. 2400
- d) Rs. 2224

135. The wages of a worker is first increased by 20% and subsequently reduced by 20% . If the originally monthly wags is Rs. 5000, What is the final wages ?

- a) Rs. 4500
- b) Rs. 4600
- c) Rs. 4800
- d) Rs. 5000

136. Yusuf takes 12 rounds of a rectangular park which is 30 metres long and 24 metres wide. Find the total distance covered by him ?

- a) 1180
- b) 1210
- c) 1244
- d) 1296

137. Three successive discounts of 50%, 40% and 20% are equal to a single discount of

- a) 72%
- b) 76%
- c) 92%
- d) More than 100%

138. 2, 10, 20, 68, 130,

- a) 200
- b) 210
- c) 216
- d) 222

139. 10 workers can cut 15 trees in 2 hours. If two of them leave the work, how many trees will be cut in three hours ?

- a) 16
- b) 18
- c) 19
- d) 20

140. A Fibonacci sequence is formed by adding the previous two numbers e.g. 1, 2, 3, 5, 8 and so on or 2, 5, 7, 12, 19 and so on. Find the eighth term of the sequence 1, 2, 3, 5,

- a) 28
- b) 30
- c) 34
- d) 36

141. 219 days : 2 years = ?

- a) 3:10
- b) 3:6
- c) 219 : 2
- d) 3 : 20

142. Find the side of a square whose perimeter is 64 meters.

- a) 8
- b) 16
- c) 32
- d) 128

143. Which of the following numbers is a perfect cube ?

- a) 210
- b) 212
- c) 214
- d) 216

144. If 25% of 300 is to be deducted from 40% of 600, what will be the sum ?

- a) 45

- b) 60
- c) 90
- d) 165

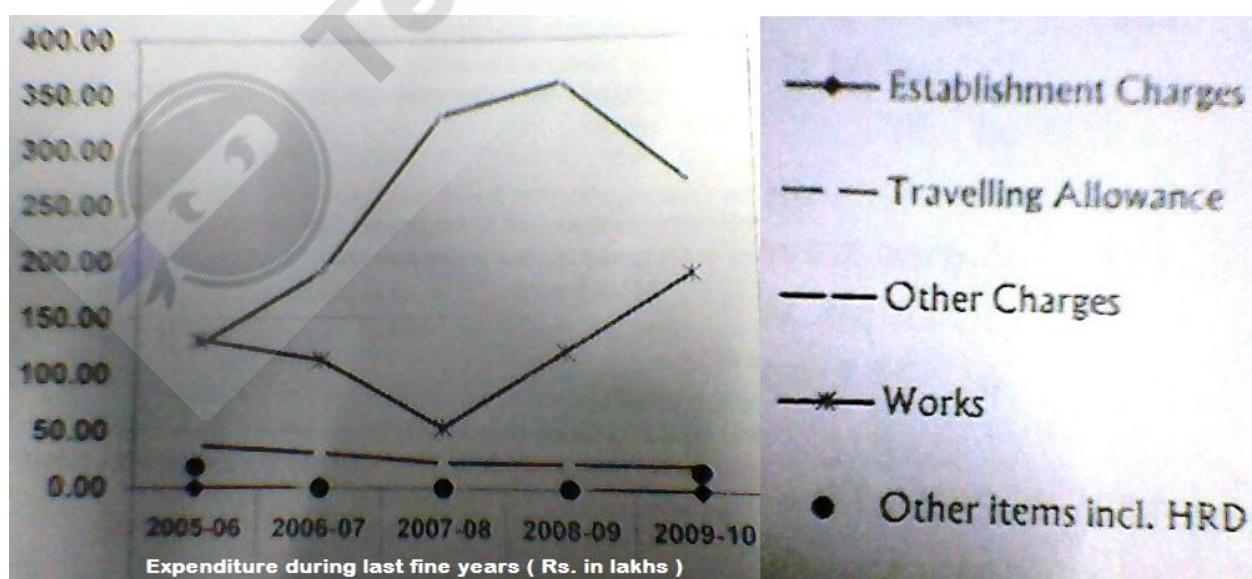
145. Find the Sum of $5/18$ and $3/13$

- a) $119/234$
- b) $8/31$
- c) $15/31$
- d) $8/234$

Answer questions 146 to 150 after studying the table and graph shown below :

Expenditure during last five years (Rs. In Lakhs)

Heads	2005-06	2006-07	2007-08	2008-09	2009-10	5 – year Total
Establishment Charges	0.00	0.00	0.00	0.00	0.00	0.00
Travelling allowance	37.00	30.00	21.00	21.00	21.00	130.00
Other Charges	124.98	191.00	331.00	360.25	268.77	1276.00
Works	130.00	112.00	52.00	118.50	187.50	600.00
Other items incl. HRD	18.00	0.00	0.00	0.25	15.75	34.00
Total	309.98	333.00	404.00	500.00	493.02	2040.00



146. What is the total expenditure on travelling allowances during first four years ?

- a) Rs. 93 lakhs
- b) Rs. 100 lakhs
- c) Rs. 109 lakhs
- d) Rs. 130 lakhs

147. In which year expenditure on “Works” was more in comparison to “Other Charges” ?

- a) 2005-06
- b) 2006-07
- c) 2007-08
- d) 2008-09

148. On which head, more than 50% of the total five yearly expenditure was incurred in the very first year ?

- a) Other charges
- b) Travelling Allowance
- c) Works
- d) Other items including HRD

149. In which year expenditure on travelling allowance was 4.20% of yearly expenditure ?

- a) 2006-07
- b) 2007-08
- c) 2008-09
- d) 2009-10

150. In the above graph, top curve line represents –

- a) Establishment Charges
- b) Other Charges
- c) Works
- d) Travelling allowance

Section - D (Language Comprehension)

(50 Marks)

Read the following passage and answer the questions 151 to 157 that follow :

To the best of our knowledge, no great earth- quake—'great Is arbitrarily taken to be anything eight and above on the Richter scale—has ever occurred beneath or In the immediate vicinity of any major city. But the law of averages would indicate strongly that somewhere, sometime, a major earthquake will occur in a place which is not conveniently uninhabited or at least, sparsely

populated. There is no reason to imagine, unless one chooses to take refuge behind 'I don't want-to-know' mental blinkers, that this possibility may even today be a probability.

The word 'probability' is used, because the law of averages is strengthened by the fact that with the exception of China, Turkey and to a lesser extent Italy, earthquakes largely tend to take place in coastal areas, whether these coastal areas are for the purpose of trade, and because they are the points of ingress to the hinterland. that many of the world's great cities have been built. Tokyo, Los Angeles and San Francisco are three such examples.

That earthquakes should be largely confined to these areas is in no way fortuitous, their cause, as well as that of volcanoes is not a matter of almost universal agreement among geologists. The theory is simply, that in the unimaginably distant past, when land first appeared, it was in the form of one gigantic super continent surrounded by inevitably one massive ocean, With the passage of time and for reasons not yet definitely ascertained, This supercontinent broke up into several different continental masses, which, borne on what are called their 'tectonic plates'— which float on still molten magma layer of the earth—defied apart. Those plates occasionally bang or rub against one another, the effects of the collisions are transmitted either to the land above or the ocean floor, and appear in the form of earthquakes or volcanoes.

Most of California lies on the North American plate which tending to move westward, is not the real villain of the piece. That unhappy distinction belongs the North Pacific plate which deals so hardly with China, Japan and the Philippines and on which that sections of California lying to the west of the San Andrea's fault so unhappily lies, Although the North Pacific plate appears to be rotating slightly, its movement in California is still roughly to the north west and now and then, when the pressure between the two plates becomes too much, the North Pacific plate eases this pressure by jerking north west along the San Andrea's fault, and so producing one of these earthquakes that California doesn't care so much about.

The extent of dislocation along this right-slip- fault so-called because if you stand on either side of the fault after an earthquake, the other side appears to have moved to the right, is crucial in relation to the magnitude of the shock. Occasionally, there may be no lateral slip at all. Sometimes, it may be only a foot or two. But even though its consequences are not to be contemplated lightly, a lateral slip of forty Feet is eminently possible.

In fact. in this context, all things are possible. The active earthquake and volcanic belt, that circumgirdles the Pacific is commonly and appropriately known as the 'ring of fire'. The San Andreas fault is an integral part of this, and it is on this 'ring of fire', that the two greatest monster earthquakes. (in Japan and South America), ever recorded have occurred. They were of the order of eight-point-nine on the Richter Scale. California can lay no more claim to divine protection than any other part of the 'ring of fire' and there is no compelling reason why the next monster, about six times as powerful as the great San Francisco one. shouldn't occur, say, in San

Bernardino, thus effectively dumping Los Angeles into the Pacific and the Richter Scale goes up to twelve!

151. Earthquake's in all probability tend to take place in coastal areas because

- a) the coastal cities are not sparsely populated
- b) the major cities are built near the sea coast
- c) the tectonic plates rub against one another
- d) the coastal areas are of land masses and islands.

152. Geologists agree universally with the fact that

- a) originally there was only one single block of massive land
- b) the continents were formed gradually with the help of earthquakes
- c) God almighty created the different continent as the planets collided.
- d) lands and oceans were formed slowly as the planets collided.

153. Standing on one side of the right slip fault the other side appears to have

- a) moved to the right a foot or two
- b) dislocated to a great extent.
- c) had a lateral slip or 40 feet
- d) had no lateral slip at all.

154. The greatest ever known earthquakes have occurred

- a) In California on the North American plane
- b) where the world's greatest cities are built
- c) in the north Pacific plate
- d) on the 'ring of fire' on the San Andrea's Fault

155. There is a possibility for the next monster earthquake to occur in

- a) san Francisco
- b) los Angeles
- c) san Bernardino
- d) san Andrea's

156. The passage critically analyses the causes for earthquakes based on

- a) scientific truth
- b) geological investigations
- c) general known facts
- d) graphical tests

157. The earthquakes destroy many great cities because

- a) they are over populated.

- b) they are mostly exposed to the sea and hills
- c) they are built near the coastal areas
- d) divine protection is less in cities.

In the following questions (158 – 165) choose the word from the four alternatives that is most similar in meaning to the word given in CAPITAL letters.

158. REVULSION

- a) Apathy
- b) Violence
- c) Disgust
- d) Avenge

159. GRIT

- a) Bold
- b) Courage
- c) Grease
- d) Level

160. SALACIOUS

- a) Obscene
- b) Wise
- c) Wholesome
- d) Confident

161. CLOUT

- a) Fear
- b) Claw
- c) Joke
- d) Power

162. FOMENT

- a) Instigate
- b) Wise
- c) Frustate
- d) Wave

163. MURAL

- a) Decoration
- b) Music

- c) Stamp
- d) Garland

164. HALE

- a) To salute
- b) To shower
- c) Healthy
- d) Sick

165. SPITEFUL

- a) Vindictive
- b) In spite of
- c) Complete
- d) Convinced

In the following questions (166 – 170) each sentence has a blank indicating that something has been omitted. Beneath each sentence , four alternatives are given. Choose the word or sets of words for each blank that best fits in the blank without changing the meaning of the sentence as a whole :

166. If you do not , all your monthly expenses would exceed your income.

- a) Economise
- b) Spend
- c) Save
- d) Transfigured

167. The magician the rabbit into a pigeon.

- a) Transformed
- b) Damaged
- c) Converted
- d) Made

168. The cost of this operation has our small store of money.

- a) Destroyed
- b) Damaged
- c) Depleted
- d) Affected

169. He had taken the shocking news quietly, neither fate nor uttering any word of bitterness.

- a) Submitting to

b) Railing against
c) Conspiring with
d) Dissenting from

170. The greaterincrease in population, the harder it is for people to find adequate housing.
a) Of
b) The
c) Is the
d) Is of the

In these questions (171 – 175) each sentence has four words of phrase. Choose the one that must be changed to make the sentence correct.

171. Many psychologists today suggest (A) / that we interpret dreams by compared (B) / the dreams with (C) / the reality of each person's (D)/life

172. When (A) / I came home, the (B) children still didn't finish (C)/ their (D) / dinner.

173. He would (A)/ never have taken the job if he had been knowing (B) / what great demands (C) / it would make (D) / on his time.

174. Schools in India can be supported (A) / either by government budgets (B) / and (C) / by private (D) / foundations.

175. Delhi is definitely (A) / one of the (B) / most large (C) / cities (D)/ in the world.

In the following questions (176 – 180) choose the word from the four alternatives that is most nearly OPPOSITE in meaning to the word given in CAPITAL letters.

176. COMPASSIONATE

- a) Indecisive
- b) Unsympathetic
- c) Resistant
- d) Untrustworthy

177. RESTIVE

- a) Buoyant
- b) Placid
- c) Resistant

d) Insolent

178. GRADUAL

- a) Energetic
- b) Dynamic
- c) Rapid
- d) Enthusiastic

179. RUDIMENTARY

- a) Developed
- b) Polite
- c) Pale
- d) Weak

180. SALVAGE

- a) Destroy
- b) Remove
- c) Confuse
- d) Lose

Choose the correct option and fill in the blanks in questions (181 – 190)

181. She was driving _____ 70 or 80 kmph, when she crashed _____-the divider .

- a) At / into
- b) Out of / in
- c) Under / around
- d) In/ next to

182. As there was a fallen tree _____ the path, I had to walk_____ it to go to the other side.

- a) Out of / in
- b) Under/Around
- c) Out of / into
- d) Across/ around

183. The shop is _____crawford market , _____ metro cinema.

- a) At / in
- b) Near / of
- c) Under / around
- d) In / next to

184. She walked _____ me without paying attention and walked _____ the door.

- a) From / into
- b) Towards / over
- c) Along / up
- d) Past / towards

185. My friend had left school _____ the age of 14 and gone to work _____ a restaurant.

- a) Under / in
- b) About / in
- c) On / in
- d) At /in

186. One of the high ranking officers _____ involved in corruption charges.

- a) Is
- b) Was
- c) Are
- d) Were

187. The number of books in economics that we need to buy _____ three.

- a) Are
- b) Was
- c) Is
- d) Were

188. The original document , as well as all the subsequent copies we made lost.

- a) Are
- b) Is
- c) Were
- d) Was

189. Ram is confident _____ his success.

- a) Of
- b) From
- c) For
- d) About

190. Shyam has no control _____ his temper.

- a) Over
- b) In
- c) At

d) After

Which of the given phrases given below each sentence should replace the phrase in bold type to make the sentence grammatically correct, in questions (191 – 195)

191. **For honour to** the social worker on her tenth death anniversary, the government has planned a series of events.

- a) In honouring of
- b) With honour
- c) The honoring of
- d) To honour

192. **He is decided to** build a luxury hotel for the convenience of tourists visiting the ancient monument.

- a) Having decide to
- b) He has decided to
- c) His decision to
- d) deciding to

193. **Except another** restaurants this one offers no discounts.

- a) Unlike other
- b) Beside other
- c) Without another
- d) Unless other

194. He made it a rule to arrive early in order **to avoid no delay** in the presentation.

- a) To no delay
- b) Not to avoid
- c) To avoid any delay
- d) Without avoiding

195. The **so serious challenge** to companies face is to retain its younger staff.

- a) More serious of challenge to
- b) Very serious challenge for
- c) Most serious challenge
- d) Quite serious challenge against

In each of the following sentences there are two blank spaces. Find out which pair of words can fill the blanks in the sentence in the same sequence to make the sentence meaningfully complete, in questions (196 – 200)

196. The _____ business trips though _____ at times gave the executive a unique chance to meet interesting people.

- a) Demanding.....memorable
- b) Frequent.....monotonous
- c) Crucial.....regular
- d) Significant.....influential

197. _____ and _____ waits for no one.

- a) Time.....tide
- b) Jack.....hill
- c) Opportunity.....failure
- d) Right.....wrong

198. The government has _____ that the infrastructure for the new project will be completed _____ the next six month.

- a) Stipulated.....for
- b) Sanction.....by
- c) Assured....in
- d) Envisage.....during

199. The official not only _____ the renewal of the contact but also _____ the information about its status.

- a) Revealed.....classified
- b) Withdrawn.....leaked
- c) Delayed.....with held
- d) Interfere.....refused

200. To _____ any tension in the minds of the employees and investors alike, the company has promised to consider job cuts as a last _____ ---.

- a) Rid.....hurdle
- b) Overcome.....decision
- c) Address.....phase
- d) Ease.....resort

Administrative Officer Examination

Paper II

Time : 3 hours

Total Marks : 300

Section - A (General knowledge of Development of Economic, Social, Scientific & Cultural fields) (100 Marks)

Attempt any five questions . Each question carries 20 marks. [Total Marks 100]

1. Describe the term BPL (Below poverty line) . What are the programmes being operated by the Central government for Poverty Alleviation and upliftment of poor ?
2. Describe the functions & powers of the Minority commission
3. Discuss the role of Small scale & cottage industries in the growth of Indian Economy. Enumerate the relevance of these sectors in the context of today's scenario.
4. What is the purpose of National census ? How the information of data collected during the census can be used in socio economic growth of the country ?
5. What is the current status of higher education in India ? Discuss the scenario with respect to both public and private institutions . What further educational reforms are needed in this direction ?
6. Indian women have expanded their role from kitchen to the corporate world. Write about the success of women empowerment in India. Also write about an Indian woman celebrity / entrepreneur who inspires you the most.
7. Write short notes on any four of the following
 - a) Central vigilance commission
 - b) Union Public service commission
 - c) Inflation
 - d) Comptroller and Auditor General of India

- e) Non performing assets
- f) Habeas corpus
- g) Cricket World Cup 2011
- h) United Nations

Section - B (Arithmetic Ability)

(100 Marks)

Attempt any Five Questions

1. A can do a piece of work in 16 days while B takes 18 days to complete it. C joins them and all three complete the work in 7 days. If the remuneration to be received for doing the work is Rs. 2880, how should the amount be divided among A, B and C ?
2. The diameter of a circular garden is 28 metres . A road 1.75 m wide runs around it. Find the cost of gravelling the road at Rs. 10 per m^2 .
3. In an examination , the sum of the marks obtained by Rajan in Accountancy and Economics is 28. Had he got 3 more marks in Accountancy and 4 marks less in economics, the product of marks in the two subjects would have been 180. Find the marks obtained in two subjects separately.
4. Show that $5 + \sqrt{2}$ is not a rational number .
5. The expenses for running an organization depend on two factors, one office rent and another number of employees. Office rent is fixed whereas number of employees may change. The unit cost of employees is Rs. 60 when number of employees is 25, and further it is at Rs. 75 when number of employees is reduced to 18. Find the unit cost of employee when there are 28 employees.
6. A teak tree was planted three years ago. The rate of growth is 30% per annum. If at present, the height of the tree is 670 cm, what was it when the tree was planted ?

7. A dairy shop owner quotes he does not earn profit in his business of selling butter. But he earns a profit of 20% . Find the percentage of impure material in Butter.

Section - C (Essay)

(50 + 50 = 100 Marks)

Attempt any two topics out of seven given below. Submit your arguments for and against the opinion and sum up in the end your views.

1. Food Security is essential for sustainable national development.
2. Impact of development on Environment is always harmful.
3. Privatisation of higher education in India is beneficial for all.
4. Roll of Census 2011 in country's development will be significant
5. Responsibility of Media in Democracy is conducive.
6. Disaster Management – Our Preparedness is adequate
7. Women Empowerment in India will lead to social tensions.

