

STATE LEVEL POLICE RECRUITMENT BOARD
EXCISE CONSTABLES
PREVIOUS PAPER – 2013

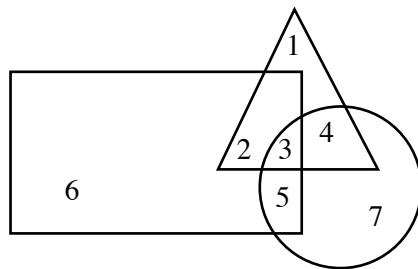
Marks: 100

Time : 2 Hours

1. If the number 1358* 16 is exactly divisible 11, then
1) 0 2) 1 3) 2 4) 4
2. The area of a rectangular room is 84 sq.m. If the breadth of the room is 5 m less than its length, the perimeter of the room (in metres) is
1) 12 2) 7 3) 21 4) 38
3. If a two digit number 4 times the sum and it is also 2 times the product of the digits of the number, then this number is
1) 24 2) 36 3) 48 4) 96
4. $\frac{(12.34)^2 + (1230)^2}{4 + (1232)^2}$
1) 2 2) -2 3) 1 4) -1
5. $5 \frac{3}{5} \times 5 \frac{3}{5} - 2 \frac{2}{5} \times 2 \frac{2}{5} =$
1) $25 \frac{1}{5}$ 2) $12 \frac{4}{5}$ 3) $25 \frac{3}{5}$ 4) $26 \frac{3}{5}$
6. HCF of the numbers 108, 144, 180 is
1) 2160 2) 72 3) 36 4) 18
7. Find the number which when added to itself seven times gives 56
1) 7 2) 8 3) 28 4) 56
8. An iron sheet is moulded to form a cone of height 4m and base radius 3m. Then the area of the iron sheet (in sq.m) is
1) 12π 2) 13π 3) 14π 4) 15π
9. The perimeter of the rectangular plot of land, with one side as 8 m is 160 m. If a square land of side 8 m is sold for a shop from this land. What is the perimeter of the remaining plot of land (in metres)?
1) 144 2) 40 3) 32 4) 64
10. The cost of paving a square hall with tiles at the rate of Rs. 48 per square metre is Rs.3.888. The perimeter of the square hall (in metres) is
1) 36 2) 81 3) 480 4) 364
11. There are 10 teams in a league. If each team to play with every other team in the league exactly once, then the total number of games to be scheduled is
1) 40 2) 45 3) 50 4) 42
12. There are six chairs in a row. Three men and three women are to be seated alternatively. The possible number of ways of seating is
1) 256 2) 144 3) 36 4) 72

13. From the top of a tower of height 40 feet, the angles of depression of two objects on south and north directions are 45° respectively, Then, the distance between the two objects (in feet) is
1) 160 2) $80\sqrt{3}$ 3) 80 4) $40\sqrt{2}$
14. If the nth term of the Arithmetic Progression
 $1, \frac{3}{2}, 2, \frac{5}{2}, \dots$ is 26, then n =
1) 51 2) 52 3) 27 4) 26
15. The cost price of 10 articles is same as the selling price of 8 articles. Then the gain percentage is
1) 25 2) 20 3) 30 4) 24
16. The sum of the angles of a triangle is 180° . The angles are in the ratio 1 : 2 : 3. The measure of largest angle in the triangle is
1) 60° 2) 90° 3) 120° 4) 150°
17. A sum of Rs. 28,600 is to be divided among A, B and C in the ration of $\frac{3}{4} : \frac{4}{5} : \frac{5}{6}$. Then the share of B in Rs is
1) 9,600 2) 12,000 3) 9,000 4) 10,000
18. If the area of a circle decreases by 19%, then the percentage decrease in its radius
1) 8% 2) 9% 3) 10% 4) 19%
19. $(60\% \text{ of } 48) + (20\% \text{ of } 18) =$
1) $\frac{162}{5}$ 2) $\frac{152}{5}$ 3) $\frac{142}{5}$ 4) $\frac{132}{5}$
20. Initially the distance between the thief and the police was 50 meters. The thief is running at a speed of 10.8 km/hr and the police to catch the thief running at a speed of 14.4km/hr. After how much time the police can catch the thief?
1) 1 minute 40 seconds 2) 1 minute 3) 50 seconds 4) 30 seconds
21. A sum amounts to Rs. 12,000 in two years and to Rs. 14,641 in four years on compound interest basis compounded annually. Then the principal amount in Rs is
1) 10,000 2) 11,000 3) 10,500 4) 11,500
22. A leap year among the following is
1) 1900 2) 1800 3) 2000 4) 2014
23. A pipe P fills a tank with water in 10 hours and other pipe Q empties the tank in 15 hours. If both the pipes start simultaneously, then the time taken (in hours) to fill the tank is
1) 25 2) 30 3) 35 4) 40
24. Three fifths of a number is 140 more than 25% of that number. Then the number is
1) 420 2) 350 3) 360 4) 400
25. The word that does not fit among the following is
1) Kilogram 2) Quintal 3) Pound 4) Litre
26. The code word MUSIC is 31254. Then the code word of SIM is
1) 254 2) 235 3) 251 4) 253

27. If ADMIRE is coded as 123456, then the code word of MIRA is
 1) 3452 2) 4351 3) 3415 4) 3451
28. Tanuja is older than Haritha.
 Rama is older than Tanuja.
 Haritha is older than Rama.
 If the first two statements are true, then third statement is
 1) True 2) False 3) Uncertain 4) None of the above
29. In a row of children, Ramu is 10th from left and 17th from right. Then the total number of children in the row is
 1) 25 2) 26 3) 27 4) 17
30. In a class of 70 students, Asif stands at 30th rank from top. His rank from the bottom is
 1) 39 2) 40 3) 41 4) 100
31. In a club, 40% members take alcohol and 30% smoke cigarette. 20% members got both habits. Then the percentage of members neither consume alcohol not smoke cigarette is
 1) 10 2) 30 3) 40 4) 50
32. In the figure below the triangle, rectangle & circle shown respectively represent the urban, hardworking and educated people. Which one of the areas is represented by urban hardworking people who are not educated?



- 1) 2 2) 1 3) 4 4) 3
33. In the following questions, choose the correct sequence of operations from the operation +, -, ×, ÷ such that one operation is chosen for one blank.
 (36.....3) 14 = 16
 1) (+, ÷) 2) (×, +) 3) (÷, ×) 4) (÷, +)
34. The total of the present ages of Amar, Akbar, Anthony is 80 years. What was the total of their ages, three years ago?
 1) 71 years 2) 80 years 3) 74 years 4) 77 years
35. In the following series of numbers how many 8s are there which are preceded by an even number but not following by an odd number?
 4 3 8 5 2 3 8 2 1 3 6 8 9 5 2 8 3 2 2 8 4 5 8 4
 1) 1 2) 2 3) 3 4) 4
36. Find the odd number out of the following series: 33, 3, 0, 3, 3, 6, 9, 15, 25, 39
 1) 9 2) 15 3) 25 4) 39
37. The next term in the series 4, 8, 24, 96, ...is
 1) 480 2) 420 3) 346 4) 286

38. Observe the following statement:

A: It may cause the sudden death if the adulterated liquor is drunk

R: Drinking of alcohol damages liver

Then, which of the following statements true?

- 1) A and R are true, but R is not a reason for A
- 2) A and R are true and but R is the reason for A.
- 3) A is true, R is false
- 4) A is false. R is true

39. Observe the following statements:

A: Bees pollinate flowers.

B: Bees carry pollen dust on their bodies and sit on flowers.

Then, which of the following statements is true

- 1) A and R are true, but R is not a reason for A
- 2) A and R are true and R is the Correct reason for A.
- 3) A is true, R is false
- 4) A is false, R is true

40. If South-East becomes North, North-East becomes West and so on then what will West become?

- 1) North-East
- 2) North-West
- 3) South-East
- 4) South-West

41. My grandmother's only child's husband's mother related to me as

- 1) Mother
- 2) Grandmother
- 3) Aunt
- 4) Sister

42. Which sequence of letters does not fit with the others?

- 1) ACE
- 2) GIK
- 3) MOQ
- 4) SVX

43. Consider the following statements:

- 1) Increase in interest rates results in higher savings
- 2) Increase in interest rates results in borrowing

Which among the above statements is / are correct?

- 1) 1 & 2
- 2) 1
- 3) 2
- 4) Neither 1 nor 2

44. Fill in the blank with suitable word:

Clock : Time :: Thermometer :

- 1) Current
- 2) Heat
- 3) Energy
- 4) Temperature

45. Fill in the blank with suitable word:

Cricket : Bat :: Volleyball :

- 1) Net
- 2) Hand
- 3) Leg
- 4) Court

The shape that follow the below four shapes is (Q.Nos. 46 – 47)

46. i)

+	×
÷	-

 ii)

×	-
÷	+

 iii)

-	÷
×	+

 iv)

+	÷
-	×

1)

×	-
÷	+

 2)

÷	+
-	×

 3)

+	×
÷	-

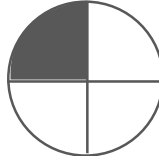
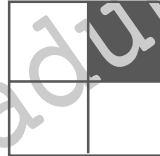
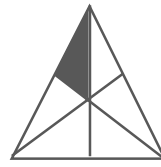

 4)

-	÷
×	+

47. i)  ii)  iii)  iv) 

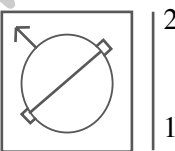
1)  2)  3)  4) 

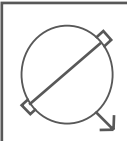
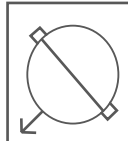
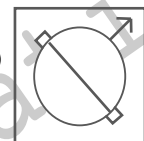
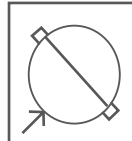
48. There are four figures, out of which three are same in some way while one is different from the rest. Find out the different figure.

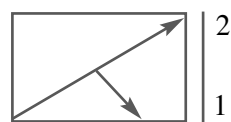
1)  2)  3)  4) 



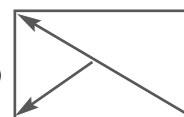
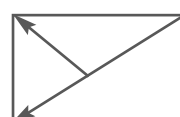
Choose the correct mirror image of the given figure(X) from the four alternatives when the mirror is placed in the plane 1 – 2:

(Q.Nos. 49 – 50)

49. X: 

1)  2)  3)  4) 

50. X: 

1)  2)  3)  4) 

51. Match the following correctly:

- | | |
|---------------------------|---------------------------|
| 1) Prolaya Vema Reddy | i) Tikkana Somayaji |
| 2) Raja Raja Narendrudu | ii) Errapragada |
| 3) Manumasiddhi | iii) Nannaya |
| 1) 1-(i), 2-(ii), 3-(iii) | 2) 1-(i), 2-(iii), 3-(ii) |
| 3) 1-(ii), 2-(i), 3-(iii) | 4) 1-(ii), 2-(iii), 3-(i) |

52. The key person of the agitation for the implementation of Telugu spoken language is
- 1) Sri Gurajada Appa Rao
 - 2) Sri Kandukuri Veerasalingam Pantulu
 - 3) Sri Gidugu Ramamurthy
 - 3) Sri Raghupathi Venkata Ratnam Naidu
53. The freedom fighter who hails from Andhra Pradesh and is contemporary to Sri Bala Gangadhar Tilak and Sri Lala Lajapath Rai is
- 1) Sri Tanguturi Prakasam Pantulu
 - 2) Sri Bhogadi Pattabhi Seetharamayya
 - 3) Sri Gadicherla Hari Sarvottama Rao
 - 4) Sri Potti Sree Ramulu
54. In which of the following freedom struggles, the role played by the farmers of Chirala–Perala region received prominent recognition?
- 1) Non Payment of Taxes
 - 2) Prohibition of Foreign Goods
 - 3) Salt Satyagraha
 - 4) Sepoy Revolt
55. The place where Sri Alluri Sitarama Raju led the agitation against the British rule was
- 1) Chirala
 - 2) Hyderabad
 - 3) Rampa
 - 4) Rajahmundry
56. Which of the following States is not a border State of Andhra Pradesh?
- 1) Chhattisgarh
 - 2) Madhya Pradesh
 - 3) Pondicherry
 - 4) Maharashtra
57. The annual range of temperature is maximum in which of the following Indian cities?
- 1) Kolkata
 - 2) Delhi
 - 3) Hyderabad
 - 4) Cochin
58. Among the following, well irrigation is dominant in the region of
- 1) North Coastal Andhra
 - 2) South Coastal Andhra
 - 3) Rayalaseema
 - 4) Telangana
59. The district with largest population in Andhra Pradesh, as per 2011 Census is
- 1) Ranga Reddy
 - 2) East Godavari
 - 3) Guntur
 - 4) Hyderabad
60. Kakatiya Canal is part of which of the following irrigation Projects?
- 1) Nagarjuna Sagar
 - 2) Telugu Ganga
 - 3) Sri Ram Sagar
 - 4) Pranahita–Chevella
61. The State which got benefitted first from Green Revolution, apart from Western Uttar Pradesh, are
- 1) Punjab, Haryana
 - 2) Punjab, Maharashtra
 - 3) Haryana, Andhra Pradesh
 - 4) Maharashtra, Karnataka
62. In India, The coal reserves are mostly found in the river valley of
- 1) Brahmaputra
 - 2) Narmada
 - 3) Kavery
 - 4) Damodar
63. Chhatrapati Shivaji International Air port is located at
- 1) Mumbai
 - 2) Chennai
 - 3) Pune
 - 4) Ahmedabad
64. 'Yarada Beach' is located in the district of
- 1) Nellore
 - 2) Krishna
 - 3) Prakasham
 - 4) Vishakhapatnam
65. Mount Abu hill station is located in State
- 1) Rajasthan
 - 2) Bihar
 - 3) Kerala
 - 4) Tamil Nadu
66. 'In India the supreme power rests with the people'. This characteristic describes which of the following essential elements of Indian national life?
- 1) Democracy
 - 2) Secularism
 - 3) Social Justice
 - 4) All the above

67. The Prime Minister of India is elected in which of the following modes?
1) Directed 2) Indirect
3) Mixed 4) Decided by the President
68. Which of the following is the first State to form on linguistic basis in India?
1) Andhra Pradesh 2) Tamil Nadu 3) Gujarath 4) Jharkhand
69. Find the conect matching of the following:
a) Formation of SAARC i) 1945
b) League of Nations ii) 1985
c) UNO iii) 1919
1) 1–(i), 2–(ii), 3–(iii) 2) 1–(ii), 2–(iii), 3–(i)
3) 1–(iii), 2–(ii), 3–(i) 4) 1–(i), 2–(iii), 3–(ii)
70. One–third of the total seats are reserved for woman in–election in India.
1) Rural and Urban Local Bodies 2) Legislative Assemblies
3) Legislative Councils 4) All of the above
71. Which of the following is a renewable resource of energy?
1) Coal 2) Petrol 3) LPG 4) Solar Power
72. Which of the following is not one of the principal organ of the United Nations?
1) General Assembly 2) Security Council
3) World Bank 4) International Court of justice
73. Which category of vehicle drivers are exposed to road accidents most prominently?
1) Two–wheelers 2) Three–wheelers
3) Four–wheeler private vehicles 4) Four–wheeler public transport
74. Who attended as the Chief Guest for the Indian Republic Day Celebrations held in 2013?
1) Bhutan King 2) Yingluck Shinawatrn
3) Hasina Begum 4) Sheikh Hasina Wazid
75. Which of the following States in India was exempted from the Right to Information Act, 2005 of Indian Government?
1) Meghalaya 2) Assam 3) Jammu & Kashmir 4) None of the above
76. In the month of December, 2012, in which of the following States the general elections were held for their Legislative Assembly?
1) Gujarath 2) Himachal Pradesh
3) Gujarath and Himachal Pradesh 4) None
77. What is meant by 'Light Year'?
1) Longest year
2) Number of days with sunlight in polar regions
3) A unit for measuring distance
4) Volume of the light transmitted in one year

78. Which of the following is true about Zebra Crossing
- 1) It is another name of speed breaker
 - 2) It is meant for crossing of pedestrains
 - 3) Vehicles should always be stopped here
 - 4) All the above
79. The Telugu Film producer conferred the Padmabhushan Award of the year 2013 given by Government of India is
- 1) Sri Aswani Datt
 - 2) Sri V.B. Rajendra prasad
 - 3) Sri. D. Rama naidu
 - 4) Sri Yarlagadda Prasad
80. The author of the book "India 2020–A Vision for the New Millennium" among the following is
- 1) Dr. A.PJ. Abdual Kalam
 - 2) Sri. P.V. Narasimha Rao
 - 3) Mrs. Indira Gandhi
 - 4) Mrs. Kiran Bedi

GENERAL SCIENCE

81. P is the pitch of the screw, N is the number of divisions on the Head Scale, then the least count of the screw gauge is
- 1) P/N
 - 2) N/P
 - 3) NP
 - 4) I/NP
82. The radiation used to take photograph in the dark is
- 1) Visible radiation
 - 2) Microwave radiation
 - 3) Infraced radiation
 - 4) Y-radiation
83. The SI unit of magnetic flux density is
- 1) Gauss
 - 2) Newton/coulomb
 - 3) Newton/amp–sec²
 - 4) Newton/coulomb–m–sec¹
84. Resistance of a conductor is proportional to its length and proportional to its area of cross-section.
- 1) Inversely, directly
 - 2) Directly, inversely
 - 3) Directly, directly
 - 4) Inversely, inversely
85. Unit of measurement of the consumption of electricity in houses is
- 1) Joule
 - 2) Ampere–Second
 - 3) Kilowatt
 - 4) Kilowatt–Hour
86. The pH value of pure water is
- 1) 4
 - 2) 5
 - 3) 7
 - 4) 6
87. Semiconductor in the following list is
- 1) Silver
 - 2) Silicon
 - 3) Rubber
 - 4) Gold
88. The units of Atomic size are
- 1) Angstrom
 - 2) Electron Volt
 - 3) Mol
 - 4) Joul
89. Who proposed the first atomic model?
- 1) Rutherford
 - 2) Max Plank
 - 3) Niels Bohr
 - 4) J.J. Thomson

90. In a periodic group the ionisation energy from top to bottom
1) Decreases 2) Increases
3) First decreases, then increases 4) First increases, then decreases
91. Which of the following is strong reducing agent?
1) Cl 2) Ca 3) S 4) Rb
92. The glass used for the preparation of electrical bulbs is
1) Pyrex glass 2) Flint glass
3) Quartz glass 4) Soda glass
93. The chemical used in the preparation of cool drinks is
1) Carbon Monoxide 2) Carbon Dioxide
3) Methane 4) Acetylene
94. The Sugar which has lowest sweet is
1) Sucrose 2) Lactose 3) Fructose 4) Glucose
95. The following blood group candidates a called universal recipients
1) A 2) B 3) O 4) AB
96. Normal blood pressure in a human being is
1) 120/100 2) 120/90 3) 120/80 4) 120/110
97. The part of human brain which maintains the equal ibrium if the body is
1) Brainstem 2) Cerebellum 3) Gyri 4) Diencephalon
98. In plants, the kind of grafting in "V" shape it
1) Cleft frafing 2) Approach grafting
3) Tongue grafting 4) Bud grafting
99. HIV concentration is more in the following
1) Saliva 2) Sweat 3) Urine 4) Blood
100. Which of the following diseases is caused by the deficiency of Iodine?
1) Goiter 2) Anemia 3) Diabetes 4) Rickets

ANSWERS

1-1; 2-4; 3-2; 4-1; 5-3; 6-3; 7-1; 8-4; 9-1; 10-1; 11-2; 12-4 13-3; 14-1; 15-1; 16-2; 17-1; 18-3; 19-1; 20-3; 21-1; 22-3; 23-2; 24-4; 25-4; 26-4; 27-4; 28-2; 29-2; 30-3; 31-4; 32-1; 33-4; 34-1; 35-1; 36-3; 37-1; 38-1; 39-2; 40-3; 41-2; 42-4; 43-2; 44-4; 45-2; 46-3; 47-2; 48-3; 49-3; 50-3; 51-4; 52-3; 53-3; 54-1; 55-3; 56-2; 57-2; 58-4; 59-1; 60-3; 61-1; 62-4; 63-1; 64-4; 65-1; 66-1; 67-2; 68-1; 69-2; 70-1; 71-4; 72-3; 73-1; 74-1; 75-3; 75-1; 77-3; 78-2; 79-3; 80-1; 81-1; 82-3; 83-4; 84-2; 85-4; 86-3; 87-2; 88-1; 89-4; 90-1; 91-4; 92-4; 93-2; 94-2; 95-4; 96-3; 97-2; 98-1; 99-4 100-1.