

Question Booklet and Answer-Key
Recruitment Test of Chief Sanitary
Inspector/ Sanitary Inspector, Local Govt.
Punjab Held on 29.3.2014.

Directions Q.1-4- Choose the correct antonym, out of the four given choices, of the given word:-

1. Canny :-
A) foolish B) permanent C) legal D) rude
2. Execrable :-
A) weak B) admirable C) adamant D) cruel
3. Greenhorn :-
A) flatterer B) stainless C) veteran D) undue
4. Narcissism:--
A) cleverness B) arrogance C) cunning D) modesty

Directions Q.No. 5-7 :- Mark, out of the four choices, the correct meaning of the italicized idioms/phrases used in the following sentences :-

5. Sumedha appears to be *in a brown study*.
A) in a reverie B) quite pessimistic C) fond of reading D) fond of reading philosophy.
6. You should not *bow down in a house of Rimmon*.
A) hurt others B) sacrifice your principles for the sake of conformity
C) criticize others D) be indifferent to others.
7. Ramesh advised us to *go for the jugular* :-
A) be calm B) be smart C) be aggressive D) be active

Directions Q. No.8-10:- Choose the correct preposition, out of the four given choices, to be filled in the gaps of the following sentences :-

8. The novelist has alluded _____ the First World War in this novel.
A) from B) of C) with D) to
9. Harry abstained _____ non-vegetarian food.
A) from B) by C) off D) on
10. There seems to be no respite _____ the soaring inflation.
A) out B) from C) for D) about
11. The metal used in storage batteries is
A) iron B) copper C) lead D) tin
12. Which of the following is essential for blood clotting?
A) RBC B) WBC C) Blood platelets D) Lymph
13. Thermos flask keeps a liquid hot because
A) It has double walls.
B) It has silver coated walls
C) Air between the double walls is removed
D) Heat losses by conduction and radiation are largely prevented
14. Laparoscopy is connected with
A) radars B) Science of tissues
C) study of laser beams D) gynaecological operation
15. Which of the following vitamins is considered to be a hormone?
A) A B) B C) C D) D
16. Sikh Guru Arjun Dev was killed during the reign of
A) Humayun B) Akbar C) Jahangir D) Shah Jahan

17. The first Europeans to come to India were
A) British B) Dutch C) French D) Portuguese
18. The last Governor General of India was
A) Lord Dalhousie B) Lord Mountbatten C) C. Rajagopalachari D) Lord Canning
19. Who among the following was called as 'Father of Indian Renaissance'?
A) B.G. Tilak B) Gopal Krishna Gokhale
C) Lala Lajpat Rai D) Raja Ram Mohan Roy
20. The design of the National Flag was adopted by the Constituent Assembly of India in
A) July, 1948 B) July, 1950 C) July, 1947 D) August, 1950
21. The Period of Twelveth Five Year Plan is
A) 2007-2012 B) 2012-2017 C) 2009-2014 D) 2010-2015
22. In India, The Black Revolution is associated with self dependence in the production of
A) mustard seeds B) crude petroleum
C) black box D) coffee
23. Capital gains tax is a part of
A) Wealth Tax B) Gift Tax
C) Estate Tax D) Income Tax
24. Special Drawing Rights (SDRs) relate to
A) the World Bank B) the Reserve Bank of India
C) the World Trade Organization D) the International Monetary Fund
25. In which of the following city India's first all-women bank, Bharatiya Mahila Bank was inaugurated by the Prime Minister, Dr. Manmohan Singh and Mrs. Sonia Gandhi on November 19, 2013?
A) Delhi B) Gurgaon C) Bangalore D) Mumbai
26. South Africa's first black President and anti-apartheid icon Nelson Mandela died at the age of 95 on December 5, 2013. Which of the following dates has been fixed as Mandela Day?
A) July 17 B) July 16 C) July 19 D) July 18
27. Which of the following is the theme of International Day for Preservation of the Ozone Layer 2013?
A) Save Earth B) Ozone: Lets Save It
C) A Healthy Atmosphere, The Future We Want D) Ozone Safety Future Safety
28. Which of the following days is declared as 'International Day of Sports for Development and Peace' by United Nations in August, 2013?
A) July 12 B) February 6 C) April 6 D) June 23
29. 101th Indian Science Congress was held at :
A) Bangalore B) New Delhi C) Hyderabad D) Jammu
30. Which of the following Movies was given the 2014 Oscar Academy Award in the Best Picture Category:
A) 12 Years a Slave B) Dallas Buyers Club C) Blue Jasmine D) Gravity
31. 'Metal' is related to 'Conduction' in the same way as 'Plastic' is related to
A) Petrochemicals B) Industries C) Inflammation D) Insulation

32. Select the missing (?) word from given alternatives on the basis of the relationship between the words given on the left/right hand side of the sign ::

Hill : Mountain :: ? : Pain

- A) Distress B) Discomfort C) Headache D) Fear

Directions Q.No.33 & 34: Three of the following pairs are alike in a certain way and hence form a group. Which one does not belong to the group?

33. A) DONE : NOED B) WANT : NATW C) WITH : TIHW D) HAVE : AVEH

34. A) 5:9 B) 7:11 C) 13:17 D) 29:31

35. If TEMPLE is coded as VHQURL, how would you code CHURCH?

- A) EKYWIO B) EKWIO C) EKYWIN D) EKYWJO

36. 'baw haw daw kaw' means 'Poachers killed some tigers', 'vaw gaw jaw haw' means 'Tigers are brave creatures', 'kaw taw maw vaw' means 'some watchman were brave' and 'maw jaw naw baw' means 'watchman are searching poachers'. Then what does 'kaw baw' mean?

- A) some watchman B) brave tigers C) some poachers D) killed tigers

Directions Q.No. 37 to 39: Read the pattern of words/numbers and find the missing term from the given alternatives:

37. QAM, SEO, ?, WOS, YUV

- A) UIN B) UIP C) UIQ D) UIM

38. 824, 615, 406, ?

- A) 756 B) 732 C) 734 D) 736

39. 2, ?, 3, 6, 5, 12, 7, 20, 11

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

40. A school bus goes 3 km north from the school and turns left. It goes 5 km further, takes a left turn and travels 8 km. It takes a left turn from there and goes 5 km further. Finally, it takes a left turn and goes 2 km. How much should the school bus travel and in which direction in order to reach the school?

- A) 3 km South B) 3 km North C) 5 km West D) 5 km North

41. 'A x B' means that A is the sister of B, 'A ÷ B' means that A is the daughter of B, 'A - B' means that A is the son of B. On the basis of this information, how is P related to S in the relationship P - Q x R ÷ S?

- A) Brother B) Son C) Cousin D) Daughter's son

42. Pointing to a lady in the photograph, "Seema said, "her son's father is the son-in-law of my mother". How is Seema related to that lady?

- A) Sister B) Mother C) Cousin D) Aunt

43. In the following series, some letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative.

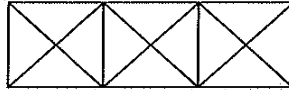
n - qn - nqt - tqqt - n - tq

- A) nnqtq B) qtnqt C) ttnqn D) qqnt

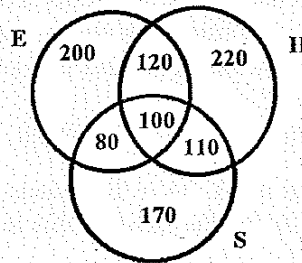
Directions for Q.No.44 to 46: Read the following information to answer the questions based on it. Seven letters are arranged in a line as follows:

- (i) E and F have one letter between them. (ii) G is to the right of A.
(iii) B is to the immediate left of F. (iv) There is one letter between D and A.
(v) D is not G's neighbour. (vi) G and F have two letters between them.

44. Which letter is second to the left of letter A?
 A) C B) B C) D D) E
45. Which letter will be exactly in the middle of the letter series so obtained?
 A) D B) A C) E D) None of these
46. Which pair of the letters is adjacent to the letter B?
 A) A and C B) G and E C) E and F D) C and A
47. How many triangles are there in the given figure?



- A) 28 B) 24 C) 25 D) 26
48. A person was asked to state his age in years. His reply was, 'Take my age three years hence multiply it by 3 and then subtract three times my age three years ago and you will know how old I am.' What was the age of the person?
 A) 18 year B) 20 year C) 24 year D) 32 year
49. The six faces of a cube are coloured black, brown, green, red, white and blue in the following ways:
 (i) Red is opposite to black. (ii) Brown is adjacent to blue. (iii) Blue is adjacent to white. (iv) Red is at the bottom surface. (v) Green is between red and black.
 Which colour is opposite to the Brown colour?
 A) White B) Red C) Green D) Blue
50. A result of a survey of 1000 persons with respect to their knowledge of Hindi (H), English (E) and Sanskrit (S) is given below:



- Find the number of persons who know at most two languages.
 A) 410 B) 310 C) 900 D) none of above.
51. In India, death has to be registered with in:
 A) 3 days B) 7 days C) 14 days D) 21 days
52. Savlon contains
 A) Cetrimide + chlorhexidine B) Cetrimide + chlorhexidine + butyl alcohol
 C) Cetrimide + butyl alcohol D) Cetrimide + Cetavlon
53. Disinfectant is one which:
 A) Kills bacteria and spores B) Kills bacteria only
 C) Kills spores only D) Kills viruses
54. BCG is:
 A) Live attenuated vaccine B) Killed vaccine
 C) Toxoid D) Immunosuppressant agent

55. Epidemiological marker of Hepatitis – B is:
 A) HBs Ag B) Anti – HBs C) Anti HBc D) HBe Ag
56. Malaria is transmitted by:
 A) Female anopheles mosquito B) Male anopheles mosquito
 C) Culex mosquito D) Aedes mosquito
57. Plague is transmitted by:
 A) Hard tick B) Soft tick C) Rat flea D) Louse
58. Eutrophication is:
 A) An improved water quality status of lakes
 B) The result of accumulation of plant nutrients in water bodies
 C) A process in the carbon cycle
 D) A water purification technique
59. Reverse Osmosis is a type of:
 A) Dead end filtration system B) Cross flow filtration system
 C) Ion exchange method D) Micro filtration
60. World Environment Day is celebrated on June 5 to mark the anniversary of the _____ on environment on this day in 1972.
 A) Kyoto protocol B) Montreal protocol
 C) Stockholm conference D) Ramsar convention
61. Kyoto protocol relates to:
 A) Climate change B) Ozone depletion in Stratosphere
 C) Agenda 21 D) Transboundary pollutants
62. Forest Conservation Act. 1980 has not been adopted by which state in India?
 A) Punjab B) Gujarat C) Kerala D) J & K
63. In which year, the Government of India enacted the Environment (Protection) Act?
 A) 1985 B) 1986 C) 1984 D) 1988
64. Protein requirement of an adult is:
 A) 0.7 gm/ kg in terms of Egg protein & 0.7 gm/ kg in terms of mixed vegetable protein
 B) 1.0 gm/ kg in terms of Egg protein & 1.0 gm/ kg in terms of mixed vegetable protein
 C) 1.0 gm/ kg in terms of Egg protein & 0.7 gm/ kg in terms of mixed vegetable protein
 D) 0.7 gm/ kg in terms of Egg protein & 1.0 gm/ kg in terms of mixed vegetable protein
65. The recommended daily energy intake of an adult pregnant woman with heavy work is:
 A) 2100 kcal B) 2500 kcal C) 3200 kcal D) 2900 kcal
66. The Protein Efficiency Ratio (PER) is defined as:
 A) The gain in weight of young animals per unit weight of protein-consumed
 B) The product of digestibility coefficient and biological value
 C) The percentage of protein absorbed into the blood
 D) The percentage of nitrogen absorbed from the protein absorbed from the diet
67. Besides 3 D's (Diarrhoea, Dermatitis & Dementia) of Niacin deficiency, 4th D indicates:
 A) Disability B) Destruction C) Debilitation D) Death
68. 'Burning Sole Syndrome' is seen in deficiency of:
 A) Riboflavin B) Pyridoxine C) Pantothenic acid D) Vitamin B12
69. Papilledema is caused by
 A) Vitamin A intoxication B) Vitamin D intoxication
 C) Vitamin E intoxication D) Vitamin B intoxication

70. Fluoride content in drinking H₂O normally safe is
 A) 0.5-0.8 mg/l B) 0.8-1.0 mg/l C) 0.2-0.8 mg/l D) 0.2-0.5 mg/l
71. 'Twin fortified salt' contains
 A) Iodine + Fluorine B) Iodine + Calcium C) Iodine + Iron D) Iodine + Chlorine
72. PFA Act '1954 has laid down standard for level of Iodization of salt-
 A) 90 ppm at production level & 60 ppm at consumer level
 B) 60 ppm at production level & 15 ppm at consumer level
 C) 30 ppm at production level & 60 ppm at consumer level
 D) 30 ppm at production level & 15 ppm at consumer level
73. Water fluoride is removed by
 A) Boiling B) Nalgonda technique C) Patna Technique D) Filtration
74. NPU value for Egg is
 A) 140 B) 96 C) 81 D) 52
75. Pasteurization by Holder method is heating milk at-
 A) 60^o C for 45 minutes B) 65^o C for 30 minutes
 C) 100^o C for 15 minutes D) 136^o C for 15 minutes
76. Epidemic dropsy is caused by
 A) Sanguinarine B) BOAA C) Pyruvic Acid D) Mustard oil
77. Lathyrism is due to consumption of
 A) Red gram dal B) Contaminated ground nuts C) Bengal gram dal D) Khesari dal
78. 'One Dietary Cycle' comprises of
 A) 24 hrs B) 48 hrs C) 7 days D) 1 month
79. All are examples of Food Fortification except
 A) Iodization of salt B) Vitamin A in Vanaspati
 C) Fluoridation of water D) Saffron colour in milk
80. Pellagra
 A) Is due to pyridoxine deficiency B) Occurs with diet chiefly on maize
 C) Night blindness is a presenting feature D) Causes high output cardiac failure
81. Prudent diet is
 A) Diet for dietary goal achievement
 B) Diet which contains variety of food to safe guard from deficiencies
 C) Diet on which a person or group lives
 D) Diet which fulfills recommended daily allowances
82. Temporary hardness of water is primarily due to the presence of-
 A) Calcium & magnesium sulphates B) Calcium & magnesium chlorides
 C) Calcium & magnesium bicarbonates D) Calcium & magnesium nitrates
83. Which one of the following methods is used for the estimation of chlorine demand of water?
 A) Chlorometer B) Horrock's apparatus C) Berkefeld filter D) Double pot method
84. Ortho-toulidine test is used to determine-
 A) Nitrates in water B) Nitrites in water
 C) Free and combined chlorine in water D) Ammonia content in water
85. Scabies, an infection of the skin caused by *Sarcoptes scabiei*, is an example of-
 A) Water borne disease B) Water washed disease
 C) Water base disease D) Water related disease

86. MPN Multiple Tube Method is done to
 A) Detect the presence of Coliform organisms in a sample of water
 B) Detect the presence of Faecal streptococci in a sample of water
 C) Detect the presence of Clostridium Perfringens in a sample of water
 D) Do the colony count of bacteria
87. In fresh bleaching powder available chlorine is
 A) 20% B) 30% C) 33% D) 40%
88. True about Global warming is
 A) CO₂ is a major green house gas
 B) Stratosphere ozone layer is harmful
 C) CFC increase stratosphere ozone layer
 D) Kyoto protocol called for 20% reduction in greenhouse emission
89. The biological oxygen demand (BOD) indicates-
 A) Organic matter B) Bacterial content C) Anaerobic bacteria D) Chemicals
90. Sludge consists of
 A) Solid vegetable waste matter B) Inorganic waste
 C) Waste containing human excreta D) Waste water from kitchen
91. Trickling filter is used in
 A) Primary treatment of sewage B) Secondary treatment of sewage
 C) Sewage effluent treatment D) Sewage farming treatment
92. Most important prerequisite in sanitary latrine is
 A) Water seal B) Adequate drainage
 C) Squatting plate/ slab D) Smooth slope of the pan
93. The permissible dose of manmade radiation should not exceed
 A) 3 rads per year B) 5 rads per year C) 8 rads per year D) 10 rads per year
94. Soiling index is a measure of
 A) Soil pollution B) Water pollution C) Noise pollution D) Air pollution
95. The nerve gas 'sarin' is
 A) Organophosphorous compound B) Organochloro compound
 C) Carbamate D) Acridine
96. 'Centile' divides data into
 A) 100 equal parts B) 4 equal parts C) 10 equal parts D) 20 equal parts
97. Standard error of mean is called as
 A) Standard deviation B) Mode C) Median D) Variable
98. Normal distribution curve is determined by
 A) Standard deviation and mean B) Standard deviation and mode
 C) Mode and median D) Standard deviation and median
99. Chi-square test is used to measure the degree of
 A) Significance of difference between two proportions
 B) Association between two variables
 C) Correlation between two variables
 D) Agreement between two observation
100. P-value is defined as
 A) Probability of declaring a significant difference when actually it is not present
 B) Probability of declaring a significant difference when actually it is present
 C) Probability of not declaring a significant difference when actually it is not present
 D) Probability of not declaring a significant difference when actually it is present

KEY

Post: Chief Sanitary Inspector/Sanitary Inspector (29.03.2014, Morning Session)

Q.	Ans.	Q.	Ans.	Q.	Ans.	Q.	Ans.
1	A	26	D	51	D	76	A
2	B	27	C	52	A	77	D
3	C	28	C	53	B	78	C
4	D	29	D	54	A	79	D
5	A	30	A	55	A	80	B
6	B	31	D	56	A	81	A
7	C	32	A	57	C	82	C
8	D	33	D	58	B	83	B
9	A	34	A	59	B	84	C
10	B	35	A	60	C	85	B
11	C	36	C	61	A	86	A
12	C	37	C	62	D	87	C
13	D	38	D	63	B	88	A
14	D	39	B	64	D	89	A
15	B	40	B	65	C	90	D
16	C	41	D	66	A	91	B
17	D	42	A	67	D	92	A
18	C	43	C	68	C	93	B
19	D	44	C	69	A	94	D
20	C	45	D	70	A	95	A
21	B	46	C	71	C	96	A
22	B	47	A	72	D	97	A
23	D	48	A	73	B	98	A
24	D	49	A	74	B	99	A
25	D	50	C	75	B	100	A