

**Question Booklet and Answer-Key  
Recruitment Test of Head Draftsman /  
Draftsman, Local Govt. Punjab Held on  
29.3.2014.**

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**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 loses 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' means?  
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

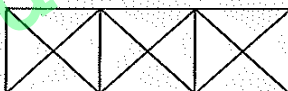


42. Pointing to a lady in the photograph, "Seema said, "her son's father is the son-in-law of my mother". How is Seema related to that lady?  
 A) Sister                      B) Mother                      C) Cousin                      D) Aunt
43. In the following series, some letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative.  
 n – qn – nqt – tqtn – n – tqt  
 A) nnqtq                      B) qtnqt                      C) ttnqn                      D) qqtn

**Directions for Q. No.44 to 46:** Read the following information to answer the questions based on it.

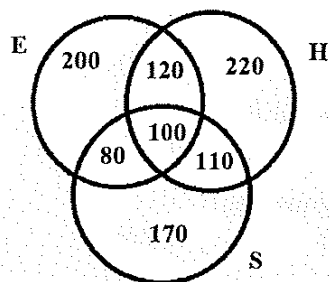
Seven letters are arranged in a line as follows:

- (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. Lettering should be done only  
A) horizontally              B) vertically              C) diagonally              D) any direction
52. Facing part of the object is shown by  
A) Dotted lines              B) ruled lines              C) thick even lines              D) none of the above
53. By which colour is the existing work shown in the blue print of the site plan  
A) white                      B) black                      C) blue                      D) none of the above
54. As per BIS, which colour represents metal sections  
A) black                      B) blue                      C) vermillion              D) white
55. The axis line of a right frustum of cone is not perpendicular to its base. This statement is  
A) true                      B) false
56. In case of thin sections of objects, the sections are shown by hatched lines only. This statement is  
A) true                      B) false
57. The density of bricks should be  
A) 1400-1500 kg/m<sup>3</sup>              B) 1500-1700 kg/m<sup>3</sup>              C) 1700-1900 kg/m<sup>3</sup>              D) 1900-2100 kg/m<sup>3</sup>
58. Hollow bricks are used for construction of  
A) solid walls                      B) light weight partition walls  
C) foundations                      D) should not be used at all
59. Number of bricks required for one cum brickwork shall be approximately  
A) 450                      B) 500                      C) 550                      D) 600
60. First class brick when immersed in water for 24 hours should not absorb water by weight more than  
A) 10%                      B) 15%                      C) 20%                      D) 25%
61. Total floor area for computing F.A.R in a multi-storeyed building  
A) Includes floor area of basement              B) Includes floor area of basement and roof  
C) Includes open area for parking              D) Does not include floor area of basement
62. Humidity is measured by  
A) hydrometer              B) hygrometer              C) anemometer              D) none of the above
63. Rainfall is measured by  
A) watermeter              B) currentmeter              C) raingauge              D) screwgauge

64. From septic tank the effluents are discharged into  
A) drainage                      B) soakpit                      C) sewer                      D) oxidation pond
65. Cohesionless soil is  
A) sand                      B) silt                      C) clay                      D) clay and silt
66. Final setting time of cement as per BIS is  
A) 5 hrs                      B) 8 hrs.                      C) 10 hrs.                      D) 12 hrs.
67. Which material is used for whitewashing?  
A) lime                      B) cement                      C) paint                      D) none of the above
68. Chemical formula of limestone is  
A)  $\text{CaCO}_3$                       B)  $\text{Ca(OH)}_2$                       C)  $\text{CaO}$                       D) none of the above
69. The most valuable timber is  
A) Sal                      B) Teak                      C) Chir                      D) Neem
70. Well seasoned timber contains moisture between  
A) 4-7%                      B) 7-10%                      C) 10-12%                      D) 12-15%
71. The temporary rigid structure having platforms at different levels to enable masons to work is known as  
A) scaffolding                      B) dead shores                      C) Raking shores                      D) Underpinning
72. The vertical sides of a door and window openings provided in the wall are known as  
A) Reveals                      B) Jambs                      C) Sills                      D) Cornice
73. When the brick is laid with its breadth parallel to the face of the wall, it is known as  
A) Stretcher                      B) Header                      C) Closer                      D) none of the above
74. As the ground water level rises the bearing capacity of the soil  
A) Increases                      B) Decreases                      C) remains same                      D) can't say
75. Excavated soil of foundation trenches are kept about \_\_\_\_\_ away from the trenches  
A) 30-50 cms                      B) 55-75 cms                      C) 20- 30 cms                      D) > 1m
76. Usually in the building the damp proof course is provided at  
A) Plinth level                      B) Ground level  
C) Window sill level                      D) Midway between water table level and ground level
77. Cavity walls in the building  
A) Prevents dampness in walls                      B) Provides stability to the building  
C) Reduces the dead load of the structure                      D) none of the above
78. The process of giving desired shape to the timber piece is known as  
A) Moulding                      B) Chiselling                      C) Sawing                      D) Marking
79. The horizontal member dividing the window frame vertically is known as  
A) battens                      B) style                      C) braces                      D) transom
80. The series of steps without break of landing or platform is known as  
A) Going                      B) Winder                      C) Flight                      D) Tread
81. Minimum number of steps in a flight of stair should be  
A) Four                      B) Five                      C) Three                      D) Six

82. In case of dog- legged stair the stair turn at \_\_\_\_\_ at landing  
 A)  $90^{\circ}$  B)  $270^{\circ}$  C)  $135^{\circ}$  D)  $180^{\circ}$
83. Flat roof constructed with bricks, steel and cement mortar is known as  
 A) Brick flat roof B) R.C.C roof C) R.B roof D) Brick tile roof
84. The top most apex line of the sloping roof is known as  
 A) Valley B) Hip C) Eaves D) Ridge
85. Minimum height of living rooms is kept as  
 A) 2.9 m B) 3.0 m C) 3.2 m D) 3.1 m
86. Minimum depth of building foundation should be  
 A) 50 cm B) 70 cm C) 75 cm D) 80 cm
87. The principle of chain surveying is from  
 A) Part to whole B) whole to part C) Both 'a' and 'b' D) none of the above
88. The reduced bearing of a line is  $S\ 55^{\circ}\ E$ . Its whole circle bearing is  
 A)  $145^{\circ}$  B)  $125^{\circ}$  C)  $55^{\circ}$  D)  $235^{\circ}$
89. The sum of all the interior angles of a regular hexagon is  
 A)  $360^{\circ}$  B)  $540^{\circ}$  C)  $720^{\circ}$  D)  $900^{\circ}$
90. The length of an engineers' chain should be  
 A) 100 ft. B) 60 ft. C) 30 m D) 20 m
91. Culvert is a small bridge whose maximum span is  
 A) 7.0 m B) 8.5 m C) 6.0 m D) 10.0 m
92. End portion of bridge supporting the top deck is known as  
 A) Pier B) Abutment C) Wingwall D) Bearings
93. Convert one hectare in acres  
 A) 2.4211 acres B) 2.4511 acres C) 2.4711 acres D) 2.4811 acres
94. Cement concrete jall (thickness specified) are measured in  
 A) sq. m B) sq. mm C) sq. cm D) none of the above
95. The useful part of liveable area of a building is also known as  
 A) Carpet area B) Circulation area  
 C) Horizontal circulation area D) Plinth area
96. Pipes for water supply are tested for  
 A) Pressure B) Leakage C) Dimensions D) All of the above
97. A good building stone should be  
 A) strong B) good in appearance & colour  
 C) hard & tough D) all of the above
98. The road connecting capitals of states is known as  
 A) National highway B) Provincial highway C) State highway D) Express highway
99. In a detailed estimate, the provision for contingencies is, usually  
 A) 1 % B) 3 to 5 % C) 10 % D) 12 to 50 %
100. The vertical difference between the highest flood level and the top of road crown at the bridge is known as  
 A) Afflux B) Clearance C) Free-Board D) Water way



## KEY

## Post: Head Draftsman/Draftsman (29.03.2014, Morning Session)

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