

**Question Booklet & Answer Key  
for the Recruitment Test of  
Deputy General Manager (Mohali)  
held on 10.8.2013**



English Version

1. 'ਫ਼ਾਐਦਾ' ਸ਼ਬਦ ਸ਼ੁੱਧ ਕਰੋ :  
(A) ਇ (B) ਏ (C) ਈ (D) ਆ
2. ਹੇਠ ਲਿਖਿਆਂ ਵਿੱਚੋਂ ਸਹੀ ਸਮਾਸੀ ਸ਼ਬਦ ਚੁਣੋ:  
(A) ਅੰਨ-ਰੋਟੀ (B) ਅਨੰ-ਪਾਣੀ (C) ਅੰਨ-ਦੇਵੀ (D) ਅੰਨ-ਸਬਜੀ
3. 'ਦੁਆਬਾ' ਕੀ ਹੈ:  
(A) ਭਾਸ਼ਾ (B) ਉਪ-ਭਾਸ਼ਾ (C) ਖੇਤਰ (D) ਵਿਆਕਰਨ
4. ਸ਼ੁੱਧ ਸ਼ਬਦ-ਜੋੜ ਚੁਣੋ :  
(A) ਸਾਂਜ (B) ਸਾਂਝ (C) ਸਆਂਜ (D) ਸ਼ਾਂਜ
5. ਹੇਠ ਲਿਖਿਆ ਵਿੱਚੋਂ ਸਹੀ ਸਮਾਸੀ ਸ਼ਬਦ ਚੁਣੋ:  
(A) ਡਾਕ-ਚਿੱਠੀ (B) ਡਾਕ-ਪੋਸਟ (C) ਡਾਕ-ਖਾਨਾ (D) ਡਾਕ-ਵੰਡਾਈ
6. ਸਹੀ ਵਿਰੋਧੀ ਜੋੜੇ ਚੁਣੋ:  
(A) ਵਸਣਾ/ਉਜੜਨਾ (B) ਹਨੇਰਾ /ਰਾਤ (C) ਦੂਰ/ਅੱਗੇ (D) ਸੂਰਜ/ਮੱਸਿਆ
7. ਕਿਹੜਾ ਸ਼ਬਦ 'ਗਮ' ਸ਼ਬਦ ਦਾ ਸਾਮਾਨਰਥੀ ਨਹੀਂ ਹੈ:  
(A) ਸ਼ੋਕ (B) ਸੌਕ (C) ਅਫ਼ਸੋਸ (D) ਸੋਗ
8. ਪੰਜਾਬੀ ਵਿੱਚ ਕਾਰਕਾਂ ਦੀਆਂ ਕਿੰਨੀਆਂ ਕਿਸਮਾਂ ਹਨ :  
(A) ਪੰਜ (B) ਅੱਠ (C) ਸੱਤ (D) ਛੇ
9. ਅੰਨ੍ਹਿਆਂ ਵਿੱਚ----- ਅਖਾਣ ਪੂਰਾ ਕਰੋ :  
(A) ਬੋਲੇ ਰਾਜੇ (B) ਲੰਗੜੇ ਰਾਜੇ (C) ਕਾਣਾ ਰਾਜਾ (D) ਬੇਈਮਾਨ ਰਾਜੇ
10. 'ਦਾਲ ਨਾ ਗਲਣੀ' ਦਾ ਕੀ ਅਰਥ ਹੈ:  
(A) ਦਾਲ ਘਟੀਆ ਹੋਣੀ (B) ਸੇਕ ਘੱਟ ਹੋਣਾ (C) ਬੇਇਜ਼ਤੀ ਕਰਨੀ (D) ਆਪਸ ਵਿੱਚ ਨਾ ਬਣਨੀ

**Directions (Q.No.11-15):-** Out of the four given options, choose the correct preposition to be filled in the gaps:-

11. The alternative \_\_ submission is death.  
(A) to (B) of (C) with (D) from
12. It is not likely to derogate \_\_ his merit.  
(A) from (B) of (C) with (D) by
13. He was equal \_\_ the occasion.  
(A) to (B) of (C) with (D) at
14. Subsequent \_\_ the meeting he wrote a letter to *The Hindu*.  
(A) to (B) of (C) by (D) from
15. Pursuant \_\_ our conversation, I now send you a cheque for Rs. five hundred.  
(A) to (B) of (C) with (D) from

**Directions (Q.No.16-20):-** out of the four given options, choose the correct synonym of the words given below:-

16. Rostrum  
(A) Register (B) Dais (C) Rooster (D) Wrath
17. Rescind  
(A) Descend (B) Ascend (C) Revoke (D) Return
18. Squeamish  
(A) Magnanimous (B) Courageous (C) Clever (D) Nervous
19. Tedium  
(A) monotony (B) excitement (C) agility (D) monopoly
20. Hauteur  
(A) clarity (B) arrogance (C) commitment (D) obstinacy

21. Which one of the following statements about Adi Granth Saheb is not correct?  
 A) it was compiled in the first decade of the 17<sup>th</sup> century  
 B) it contains verses of Kabir  
 C) it contains verses generally from saints of Saguna Bhakti  
 D) it contains sayings of Baba Farid
22. The recommendation of which commission led to linguistic reorganization of Punjab in 1966?  
 A) Venkataswami      B) Radcliffe      C) Verma      D) Shah
23. Match the following
- | <u>Place</u>      | <u>Other name</u> |
|-------------------|-------------------|
| a) Talwandi Saboo | 1. Khidrana       |
| b) Muktsar        | 2. Makhawal       |
| c) Anandpur Sahib | 3. Ramdaspur      |
| d) Amritsar       | 4. Damdama Sahib  |
- A) 1, 4, 3, 2      B) 4, 1, 3, 2      C) 4, 1, 2, 3      D) 1, 4, 2, 3
24. According to 2011 census, which of the following district of Punjab has minimum population density?  
 A) Mansa      B) Muktsar      C) Moga      D) Mohali
25. How many times presidential rule has been imposed in Punjab?  
 A) 8      B) 7      C) 6      D) 5
26. 'Babeyan Da Gidhha' (old men's dance) belongs to  
 A) Malwa region      B) Majha region      C) Doaba region      D) none
27. Who wrote the book 'Philosophy of Bomb'?  
 A) Raj Guru      B) Sukhdev Singh      C) Bhagat Singh      D) Nanak Singh
28. Who takes away the belongings of the dead after funeral?  
 A) relatives      B) Charaj Brahmin      C) sons of deceased      D) potter
29. Punjab is the only state in the country where every village and urban slum area have  
 A) Mahila Surakhya Sang      B) MNREGA  
 C) Family Planning Centre      D) all of above
30. Punjab produces \_\_\_\_\_ of the total milk production in the country  
 A) 8%      B) 12%      C) 14%      D) 10%
31. Union cabinet declared the year 2013 as  
 A) Forest conservation year      B) Soil conservation year  
 C) Water conservation year      D) Wildlife conservation year
32. Which one of the following Indian city became the first city in South Asia to launch a heat wave preparation and warning system?  
 A) Surat      B) Chandigarh      C) Pune      D) Ahmedabad
33. Which is world's largest river in view of size and volume of water it discharges into sea?  
 A) Nile of Egypt      B) Amazon of South America  
 C) Amur-Argun of China      D) Ganges of India
34. What is the full name of IBSA?  
 A) Iran, Brazil and South Africa      B) India, Bangladesh and South Africa  
 C) India, Brazil and South Africa      D) India, Brazil and Saudi Arabia
35. On the lines of Amul in Gujarat, which of following states has come forward to bring white revolution?  
 A) Uttarakhand      B) Punjab      C) Haryana      D) Himachal Pradesh
36. Who is the author of the concept of Antyodaya?  
 A) Mahatma Gandhi      B) Vinoba Bhave      C) Sri Aurobindo      D) Jayaprakash Naryan

37. Unemployment which occurs when workers move from one job to another job is known as  
 A) frictional unemployment B) seasonal unemployment  
 C) cyclical unemployment D) technological unemployment
38. 'Hemophilia' is the disease of  
 A) liver B) blood C) brain D) bones
39. Which one of the following Prime Minister never faced the Parliament during his tenure?  
 A) Chandra Shekhar B) VP Singh  
 C) Chaudhary Charan Singh D) Atal Behari Vajpayee
40. Who was the first Indian to have achieved 300 runs in an inning in tests?  
 A) Sachin Tendulkar B) Sourav Ganguli C) Bishen Singh Bedi D) Virender Sehwag
41. Complete the series 37, 43, 53, 61, 71, \_\_\_\_\_  
 A) 81 B) 79 C) 83 D) 73
42. In a certain code language, COMPUTER is written as RFUVQNPC. How is MEDICINE written in the same language?  
 A) EOJDEJFM B) EOJDJEFM C) MFEDJJOE D) MFEJDJOE

**Read the following information and answer Q.Nos.43-44.**

A is the son of B. C, B's sister, has a son D and a daughter E. F is the maternal uncle of D.

43. How is A related to D?  
 A) cousin B) nephew C) uncle D) brother
44. How many nephews does F have?  
 A) nil B) one C) two D) three

**Read the following information and answer Q.Nos.45-46.**

A, B, C and D are to be seated in a row. But C and D cannot be together. Also, B cannot be at third place.

45. Which of the following must be false?  
 A) A is at the first place B) A is at the second place  
 C) A is at the third place D) A is at the fourth place
46. If A and B are together, then which of following must be true?  
 A) C is at the first place B) D is at the first place  
 C) C is not at the first place D) A is at the third place
47. The needle of a compass is turned in such a manner that the pointer which was showing South-east is now showing West. A person went towards North as per damaged compass. Towards which direction does he actually want to go?  
 A) North-east B) North-west C) South-west D) South-east
48. How many such 5s are there in the following sequence each of which is immediately preceded by 3 or 4 but not immediately followed by 8 or 9?  
 3 5 9 5 4 5 5 3 5 8 4 5 6 7 3 5 7 5 5 4 5 2 3 5 1 0  
 A) 0 B) 3 C) 5 D) 6
49. Bharti is 8 ranks ahead of Divya who ranks 26<sup>th</sup> in the class of 42. What is Bharti's rank from the last?  
 A) 9<sup>th</sup> B) 24<sup>th</sup> C) 25<sup>th</sup> D) 34<sup>th</sup>
50. Replace question mark (?) from the options given below:

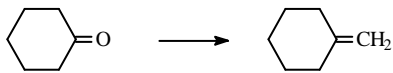
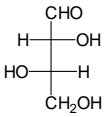
7	4	5
8	7	6
3	3	?
29	19	31

- A) 3 B) 4 C) 5 D) 6

51. What is the greatest possible length of scale that can be used to measure exactly the lengths 3m, 5m 10cm and 12m 90cm?  
A) 10cm                      B) 20cm                      C) 25cm                      D) 30cm
52. Each boy contributed rupees equal to the number of girls and each girl contributed rupees equal to the number of boys in a class of 60 students. If the total collection thus collected is ₹ 1600, how many boys are there in the class?  
A) 25                      B) 30                      C) 50                      D) data inadequate
53. simplify  

$$\frac{\frac{1}{3} \cdot \frac{1}{3} \cdot \frac{1}{3} + \frac{1}{4} \cdot \frac{1}{4} \cdot \frac{1}{4} - 3 \cdot \frac{1}{3} \cdot \frac{1}{4} \cdot \frac{1}{5} + \frac{1}{5} \cdot \frac{1}{5} \cdot \frac{1}{5}}{\frac{1}{3} \cdot \frac{1}{3} + \frac{1}{4} \cdot \frac{1}{4} + \frac{1}{5} \cdot \frac{1}{5} - \left( \frac{1}{3} \cdot \frac{1}{4} + \frac{1}{4} \cdot \frac{1}{5} + \frac{1}{3} \cdot \frac{1}{5} \right)} = ?$$
  
A)  $\frac{2}{3}$                       B)  $\frac{3}{4}$                       C)  $\frac{47}{60}$                       D)  $\frac{49}{60}$
54. In an examination, a pupil's average marks were 63 per paper. If he had obtained 20 more marks for his Geography paper and 2 more marks for his History paper, his average per paper would have been 65. How many papers were there in the examination?  
A) 8                      B) 9                      C) 10                      D) 11
55. If an area enclosed by a circle or a square or an equilateral triangle is the same then the maximum perimeter is possessed by  
A) circle                      B) equilateral triangle                      C) square                      D) both circle & triangle
56. A dry-fruit seller mixes 3 varieties of walnuts costing ₹ 50, ₹ 20 and ₹ 30 per kg in the ratio 2:4:3 in terms of weight and sells the mixture at ₹ 33 per kg. What percentage of profit does he make?  
A) 10%                      B) 9%                      C) 8%                      D) 11%
57. A, B and C start a business each investing ₹ 20000. After 5 months A withdraws ₹ 5000, B ₹ 4000 and C invested ₹ 6000 more. At the end of the year, a total profit of ₹ 69900 was recorded. What is the share of B?  
A) ₹ 20500                      B) ₹ 21200                      C) ₹ 27300                      D) ₹ 28200
58. Sunil covers a distance by walking for 6 hours. While returning his speed decreases by 1 km/hour and he takes 9 hours to cover the same distance. What was his speed in return journey?  
A) 2 km/hr                      B) 3 km/hr                      C) 4 km/hr                      D) 5 km/hr
59. A man borrows ₹ 4000 from a bank at 7.5% per annum compound interest. At the end of every year he pays ₹ 1500 as a part payment of loan and interest. How much does he still owe to the bank after 3 such instalments?  
A) ₹ 125                      B) ₹ 400                      C) ₹ 123.25                      D) ₹ 469.18
60. Three pipes A, B, C can fill a tank in 6 hours. After working together for 2 hours, C is closed and A and B can fill the remaining part in 7 hours. The number of hours taken by C alone to fill the tank is  
A) 10                      B) 12                      C) 14                      D) 16
61. Match the following with respect to MS-Excel 2007:  
(i) Maximum Number of open workbooks : (a) 16384  
(ii) Maximum number of rows in a Worksheet : (b) Limited by available memory  
(iii) Maximum number of columns in a Worksheet : (c) 255  
(iv) Maximum number of characters in header/footer : (d) 1048576  
A) (i)-(a) (ii)-(b) (iii)-(c) (iv)-(d)                      B) (i)-(b) (ii)-(d) (iii)-(a) (iv)-(c)  
C) (i)-(c) (ii)-(b) (iii)-(d) (iv)-(a)                      D) (i)-(d) (ii)-(a) (iii)-(b) (iv)-(c)
62. Which of the following is concatenation operator?  
A) Ampersand (&)                      B) Hash (#)                      C) Dollar (\$)                      D) Exclamation (!)

63. What is gutter margin in MS-Word PageLayout?  
 A) Margin that is added to the left margin when printing  
 B) Margin that is added to right margin when printing  
 C) Margin that is added to the binding side of page when printing  
 D) Margin that is added to the outside of the page when printing
64. Which of the following change is not available in MS-PowerPoint custom animation?  
 A) Entrance                      B) Exit                      C) Motion Path                      D) Time
65. Using 'Find' command in MS-Word, we can search  
 A) Characters                      B) Whole Word                      C) Symbols                      D) All of the above
66. DDT stands for  
 (A) Dichlorodiphenyltrichloroethylene                      (B) Dichlorodiphenyltrichloroethane  
 (C) Diphenyldichlorotrighloroethane                      (D) Dichlorodiphenyltrichloroethene
67. Methoxychlor an insecticide can be prepared by condensation of:  
 (A) Methoxybenzene and carbon tetrachloride                      (B) Chloral and methoxytoluene  
 (C) Chloral and methoxybenzene                      (D) Chloroform and methoxybenzene
68. The class of the insecticides which bind to acetylcholinesterase for disruption of nerve impulses and killing the insect is:  
 (A) Raynoids                      (B) Organophosphates  
 (C) Antifeedents                      (D) Biologicals
69. Which of the following expression represent the criterion of spontaneity?  
 (A)  $(dS)_{U,V} < 0$                       (B)  $(dG)_{T,P} < 0$   
 (C)  $(dU)_{S,T} < 0$                       (D)  $d(dH)_{T,P} < 0$
70. The Joule Thomson experiment is an example of which of the following process  
 (A) Isothermal process                      (B) Isochoric process  
 (C) Isentropic process                      (D) Isenthalpic process
71. Which of the following is not an extensive property?  
 (A) Gibb's free energy                      (B) internal energy  
 (C) entropy                      (D) density
72. Chemical not active as a pesticide, but becoming active once it enters an organism and undergoes chemical modification:  
 (A) Past-pesticide                      (B) Anti-pesticide  
 (C) Non-pesticide                      (D) Pro-pesticide
73. Ozone layer protects us from which of the following harmful radiation  
 (A) ultra-violet                      (B) cosmic-rays  
 (C) infra-red                      (D) radio-wave
74. PAN stands for:  
 (A) Pesticide Annual Note                      (B) Pesticide Action Network  
 (C) Pesticide Applied Network                      (D) Pesticide Action Neutral
75. Lowest concentration of a pesticide residue in a defined matrix where positive identification can be achieved using a specified method is:  
 (A) LOD                      (B) LOQ  
 (C) LOB                      (D) LOS
76. Organic wastes in the water body  
 (A) Increase the DO concentration                      (B) Decrease the DO concentration  
 (C) Both increase or decrease the DO concentration                      (D) Does not effect
77. Bordeaux mixture is used for the preparation of:  
 (A) Insecticide                      (B) Herbicide  
 (C) Fungicide                      (D) None of the above

78. Identify the **Pyrethroids** insecticide:  
 (A) Allethrin (B) Methoxychlor  
 (C) Hexachlorobenzene (D) Boric acid
79. The gas constant (R) is equal to the  
 (A) Sum of two heat capacities (B) Difference of two heat capacities  
 (C) Product of two heat capacities (D) Ratio of two heat capacities
80. At 0 K, the cell potential is  
 (A)  $E^\circ$  (B) 1  
 (C) 0 (D)  $\ln 2$
81. Effect of dilution on conductance is as follows:  
 (A) specific conductance increases, molar conductance decreases  
 (B) specific conductance decreases, molar conductance increases  
 (C) both increase with dilution  
 (D) both decreases with dilution
82. The H-H distance in  $H_2$  molecule can be determined by  
 (A) Rotational Raman spectroscopy (B) Infrared vibrational spectroscopy  
 (C) Microwave Raman spectroscopy (D) NMR spectroscopy
83. Hydrogen bonding in an organic compound can be established by  
 (A) Cyclic voltametry (B) Mass spectra  
 (C) IR spectroscopy (D) CD-ORD
84. The region of an infra-red spectrum where many absorptions takes place is known as  
 (A) thumbprint region (B) handprint region  
 (C) fingerprint region (D) footprint region
85. Dicyclohexylcarbodiimide (DCC) is a:  
 (A) Dehydrating agent (B) Hydrating agent  
 (C) Hydroxylation agent (D) Reducing agent
86. The stereoisomers having the same configuration at one chiral centre but different configuration at the other are known as:  
 (A) Enantiomers (B) Meso compounds  
 (C) Diastereomers (D) Racemic Mixture
87. An  $S_N^2$  reaction involves:  
 (A) A two-step process (B) A radical intermediate  
 (C) A carbonium ion intermediate (D) A one-step, synchronous process
88. Name the reaction which leads to following conversion:  

- (A) Reimer-Tiemann reaction (B) Aldol condensation  
 (C) Perkin reaction (D) Wittig reaction
89. Assign *R* or *S* designation to the following molecule:  

- (A) 2R, 3S (B) 2S, 3R  
 (C) 2R, 3R (D) 2S, 3S
90. DDT is:  
 (A) Natural insecticide (B) Organophosphate insecticide  
 (C) Carbamate insecticide (D) Organochlorine insecticide

91. DDT molecule has:  
 (A) No tetrahedral carbon, two flat benzene rings  
 (B) Two tetrahedral carbons, two benzene rings  
 (C) Two tetrahedral carbons, two flat benzene rings  
 (D) One tetrahedral carbon, two flat benzene rings
92. Portion of a pesticide residue on treated vegetation that is readily removable and may be used as an index for exposure of farm workers is termed as :  
 (A) Dislodgeable foliar (B) Dispersible granule  
 (C) Dissipation (D) Dormancy
93. Which of the following is not a fungicide:  
 (A) Monocerin (B) Bacillus subtilis  
 (C) Kelp (D) Dieldrin
94. Choose a correct set of hard acid and soft base  
 (A)  $\text{Fe}^{3+}$  and  $\text{S}^{2-}$  (B)  $\text{Ag}^+$  and  $\text{S}^{2-}$   
 (C)  $\text{Ag}^+$  and F (D)  $\text{Fe}^{3+}$  and F
95. The total number of valence electrons in the  $\text{PO}_4^{3-}$   
 (A) 30 (B) 32  
 (C) 29 (D) 26
96. For a single electron in an atom, the wave function is known as  
 (A) Molecular orbital (B) Electron charge density  
 (C) Atomic orbital (D) Electron
97. The hybrid orbitals used by chlorine in forming  $\text{ClF}_3$  are of type  
 (A)  $\text{sp}^3\text{d}$  (B)  $\text{sp}^2$   
 (C)  $\text{sp}^3$  (D)  $\text{sp}^2\text{d}$
98. The bond order for  $\text{N}_2, \text{O}_2, \text{N}_2^-, \text{O}_2^-$   
 (A)  $\text{N}_2 > \text{N}_2^- > \text{O}_2 > \text{O}_2^-$  (B)  $\text{O}_2^- > \text{O}_2 > \text{N}_2 > \text{N}_2^-$   
 (C)  $\text{N}_2 > \text{O}_2 > \text{N}_2^- > \text{O}_2^-$  (D)  $\text{O}_2 > \text{N}_2 > \text{N}_2^- > \text{O}_2^-$
99. Increasing concentration of  $\text{CO}_2$  in atmosphere is responsible for:  
 (A) acid rain (B) greenhouse effect  
 (C) lack of photosynthesis (D) death of aquatic life
100. The half life of DDT in lake water is  
 (A) 66 days (B) 76 days  
 (C) 56 days (D) 46 days



Answer- Key

Code: 18

(Dy. GM (Mohali))

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