Question Booklet & Answer Key

for the Recruitment Test of

Retort Supervisor

held on 10.8.2013

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) ਸ਼ੌਕ   (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) ਬੇਇੱਜਤੀ 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 17th 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
Place	Other name
a) Talwandi Saboo	1. Khidrana
b) Muktsar	2. Makhowal
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) Uttrakhand   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. 'Hemophillia' 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 26th in the class of 42. What is Bharti's rank from the last?
    A) 9th
    B) 24th
    C) 25th
    D) 34th

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.   The method of joining metal surface by introducing a non ferrous alloy with melting point above
      400 ^{0}C is known as
      (a) Soldering   (b) Brazing   (c) Welding   (d) none of the above

67.   The operation of cutting a cylindrical hole in a sheet of metal by the punch and the die is called
      (a) Shearing   (b) Piercing   (c) Punching   (d) Blanking

68.   BHP of an engine is determined by a formula
      (a) $\dfrac{2\Pi NT}{4500}$ (b) $\dfrac{4\Pi NT}{4500}$ (c) $\dfrac{\Pi NT}{4500}$ (d) $\dfrac{2\Pi RNT}{4500}$

69.   Cavitations in centrifugal pumps can be reduced by
      (a) Reducing the discharge
      (b) Reducing the suction head
      (c) Throttling the discharge
      (d) Increasing the flow velocity

70.   Which one is an impulse turbine
      (a) Kaplan turbine   (b) Francis turbine   (c) Fourneyron   (d) Pelton wheel

71.   The type of threads used to transmit power in one direction only is
      (a) Acme   (b) Trapezoidal   (c) Buttress   (d) V thread

72.   The number of arms in the pulley should not be less than
      (a) 2   (b) 3   (c) 4   (d) 6

73.   The heat is absorbed by
      (a) Condenser   (b) Evaporator   (c) Compressor   (d) Thermostat

74.   The body which absorbs all radiations incident upon it, is called as
      (a) Black body   (b) White body   (c) Opaque body   (d) Transparent body

75.   Work study includes
      (a) Method study   (b) Motion study   (c) Time study   (d) All of the above

76.   At break even point
      (a) Fixed costs are recovered
      (b) Variable costs are recovered
      (c) Total costs are recovered
      (d) Some costs are recovered

77.   Productivity is expressed as
      (a) Output/input
      (b) Growth/capital employed
      (c) Gross income/Gross expenditure
      (d) All of the above

78.   Which of the following refrigerant has lowest freezing temperature
      (a) Carbon dioxide   (b) Ammonia   (c) Freon-12   (d) Freon-22

79. The efficiency of an ideal machine is
    (a) $Mechanical\ Advantage \times Velocity\ Ratio$
    (b) $\dfrac{Mechanical\ Advantage}{Velocity\ Ratio}$
    (c) $\dfrac{Velocity\ Ratio}{Mechanical\ Advantage}$
    (d) $1+\dfrac{Mechanical\ Advantage}{Velocity\ Ratio}$

80. The LVDT is an inductive transducer which functions based on the principle of
    (a) Change in the air gap
    (b) Change in the amount of core material
    (c) Variation in the position of core
    (d) Movement of the coil within the field of permanent magnet.

81. The radiator tubes are manufactured from
    (a) Cast iron   (b) Aluminum   (c) Brass   (d) Steel

82. On a lathe machine, the spindle speed is lowest during
    (a) Taper turning   (b) Threading   (c) Parting off   (d) Knurling

83. The equivalent length of a column with both ends fixed is equal to
    (a) L   (b) L/2   (c) 2L   (d) $\dfrac{L}{\sqrt{2}}$

84. Automobile engines are usually designed as multi-cylinder engine because of
    (a) economy reasons
    (b) higher efficiency
    (c) better balance, uniform torque output
    (d) lower fuel consumption

85. Superheating of steam is done at
    (a) constant volume
    (b) constant temperature
    (c) constant pressure
    (d) constant entropy

86. Maximum energy loss in a boiler occurs due to
    (a) unburnt carbon in ash
    (b) incomplete combustion
    (c) ash content
    (d) flue gases

87. De aeration of feed water is carried out because it reduces
    (a) cavitation of .boiler feed pumps
    (b) corrosion caused by oxygen
    (c) heat transfer coefficient
    (d) pH value of water

88. Separation of particles of various sizes, shapes and densities by allowing them to settle in a fluid is called
    (a) classification   (b) froth floatation   (c) thickening   (d) settling

89. Too low a speed of a centrifugal pump may result in the following
    (a) Pump is noisy
    (b) Pump delivers insufficient capacity
    (c) Pump starts but ceases after a while
    (d) Pump continues drawing same power

90. In a Shell and Tube heat exchanger, the baffle spacing is usually NOT kept less than a distance equal to
(a) inside diameter of the tube
(b) pitch of the tube
(c) inside diameter of the shell
(d) one fifth of inside diameter of the shell

91. IHP minus FHP is equal to
(a) BHP   (b) SAF HP   (c) m.e.f   (d) None of the above

92. Which one of the following is a spring controlled centrifugal governor
(a) Pickering governor   (b) Porter governor   (c) Proell governor   (d) Watt governor

93. Steel can be hardened quickly by the process of
(a) Induction hardening
(b) Nitriding
(c) Cyaniding
(d) Carburizing

94. The thickness of the washer is usually taken as
(a) 0.1d   (b) 0.15d   (c) 0.25d   (d) 0.4d

95. Generally, which type of fuel is used in boilers in food industry
(a) Coal   (b) diesel   (c) husk   (d) all of above

96. The general cause of breakdown of centrifugal pumps in food industry are
(a) misalignment   (b) high pressure   (c) irregular flow   (d) all of the above

97. Which of the following is used to statistically characterize the losses and lack of safety in a process plant
(a) HAZOP analysis
(b) Fatality rate
(c) Fault detection
(d) Emergency shutdown

98. Which kind of maintenance is most expensive
(a) breakdown maintenance
(b) preventive maintenance
(c) routine maintenance
(d) none of the above

99. Which of the following is not the effect of detonation
(a) High operating temperature
(b) Loss in efficiency and power output
(c) Loud and pulsating noise
(d) High local stresses

100. The brake shoes are curved to conform to the inner diameter of the
(a) Tyre
(b) Wheel
(c) Pedal
(d) Brake drum

Answer- Key

Code: 22

(Retort Supervisor)

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