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**Question Booklet & Answer Key
for the Recruitment Test of
Production Manager(Kapurthala)
held on 11.8.2013**

English Version

- (1) ਅੱਧਕ ਦੀ ਵਰਤੋਂ ਵਾਲਾ ਠੀਕ ਸ਼ਬਦ ਜੋੜ ਚੁਣੋ :
 (A) ਤਕੜੀ (B) ਤੱਕੜੀ (C) ਤਕੱੜੀ (D) ਤੱਕੱੜੀ
- (2) ਹੇਠ ਲਿਖਿਆਂ ਵਿੱਚੋਂ ਸਹੀ ਸਮਾਸੀ ਸ਼ਬਦ ਚੁਣੋ :
 (A) ਅੰਨ-ਰੋਟੀ (B) ਅੰਨ-ਸੰਨ੍ਹ (C) ਅੰਨ-ਪਾਣੀ (D) ਅੰਨ-ਸਬਜੀ
- (3) ਭਾਵ-ਵਾਚਕ ਨਾਂਵ ਚੁਣੋ:
 (A) ਸਕੂਲ, ਮਕਾਨ (B) ਗਮੀ, ਖੁਸ਼ੀ (C) ਅਸੀਂ, ਤੁਸੀਂ (D) ਸੈਨਾ, ਜਲੂਸ
- (4) ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ ਦੀਆਂ ਕਿੰਨੀਆਂ ਕਿਸਮਾਂ ਹੁੰਦੀਆਂ ਹਨ:
 (A) ਪੰਜ (B) ਛੇ (C) ਸੱਤ (D) ਅੱਠ
- (5) 'ਇਹ ਉਸ ਦੀਆਂ ਪੁਸਤਕਾਂ ਹਨ' ਵਾਕ ਵਿੱਚ ਸੰਬੰਧਕ ਕਿਹੜਾ ਹੈ:
 (A) ਇਹ (B) ਉਸ (C) ਦੀਆਂ (D) ਪੁਸਤਕਾਂ
- (6) ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਲਈ ਢੁਕਵੀਂ ਲਿੱਪੀ ਕਿਹੜੀ ਹੈ :
 (A) ਗੁਰਮੁਖੀ (B) ਮਲਵਈ (C) ਫਾਰਸੀ (D) ਦੇਵਨਾਗਰੀ
- (7) 'ਉਹ ਘਰ ਗਿਆ ਤੇ ਉਸਨੇ ਰੋਟੀ ਖਾਧੀ' ਹੇਠ ਲਿਖਿਆਂ ਵਿੱਚੋਂ ਵਾਕ ਦੀ ਕਿਹੜੀ ਕਿਸਮ ਹੈ:
 (A) ਸਾਧਾਰਨ (B) ਮਿਸ਼ਰਤ (C) ਸੰਯੁਕਤ (D) ਵਿਸਮਕ
- (8) 'ਹਥੀਂ ਛਾਵਾਂ ਕਰਨੀਆਂ' ਦਾ ਕੀ ਅਰਥ ਹੈ :
 (A) ਬੇਇਜਤੀ ਕਰਨੀ (B) ਆਦਰ ਮਾਣ ਕਰਨਾ
 (C) ਗਰਮੀ ਤੋਂ ਬਚਾਉਣਾ (D) ਛਾਂ ਕਰ ਦੇਣੀ
- (9) 'ਉੱਜੜੇ ਬਾਗਾਂ ਦੇ' ਅਖਾਣ ਪੂਰਾ ਕਰੋ :
 (A) ਮਾਲੀ ਨਿਕੰਮੇ (B) ਫਲ ਮਿੱਠੇ (C) ਅਮਰੂਦ ਕੌੜੇ (D) ਗਾਲੜ ਪਟਵਾਰੀ
- (10) 'ਪੁਆਧੀ' ਕੀ ਹੈ :
 (A) ਭਾਸ਼ਾ (B) ਲਿੱਪੀ (C) ਇਲਾਕਾ (D) ਉਪ-ਭਾਸ਼ਾ

Directions(Q.No 11-15):- Out of the four given options, choose the underlined part, in each of the following sentences, that has an error:-

11. Do not forget him whom brought this movement so far.
 A B C D
12. The applicant, being a householder, he is entitled to a vote.
 A B C D
13. Whom did you think was there?
 A B C D
14. I was the man whom they thought was dead.
 A B C D
15. The student, who you thought so highly of, has failed to win the first prize.
 A B C D

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

16. Bleary
 (A) Blurry (B) Bright (C) Brittle (D) Clear
17. Brusque
 (A) Shock (B) Curt (C) Abrupt (D) Blunder

18. Collate
 (A) Conciliate (B) Select (C) Gather (D) Cancel
19. Dilettante
 (A) Cruel (B) Dangerous (C) Amateur (D) Expert
20. Impecunious
 (A) Poor (B) Rich (C) Determined (D) Irrelevant
21. Which Sikh Guru started Langar (common dining) system?
 A) Guru Amar Das B) Guru Ram Das C) Guru Arjan Dev D) Guru Angad Dev
22. Who is known as Punjab's "Bearded Mother Teresa"?
 A) Partap Singh Kairon B) Master Tara Singh
 C) Bhagat Puran Singh D) Baba Balbir Singh Seechewal
23. Which Sikh personality has the distinction of coronating the successors of Guru Nanak upto 6th Guru?
 A) Bhai Gurudas B) Baba Srichand C) Bhai Mardana D) Baba Buddha
24. Nawab Kapur Singh conferred the title of 'Sultan-ul-qaum' on
 A) Ranjit Singh B) Jassa Singh Ramgarhia
 C) Jassa Singh Ahluwalia D) Banda Bahadur
25. Before 1962, Punjab Agriculture University (PAU) was known as
 A) Institute of agricultural research and extension B) College of agriculture
 C) Institute of agricultural education D) Centre for agricultural research
26. Arrange the following important events in the history of Punjab in chronological order
 1. Jallianwala Bagh Incident 2. Kamagata Maru Incident
 3. The Ghadar Movement 4. Battle of Saraghari
 A) 4, 3, 2, 1 B) 1, 2, 3, 4 C) 2, 3, 4, 1 D) 3, 4, 2, 1
27. What is correct about Singh Sabha?
 A) it was founded in 1907 at Lahore
 B) it aimed at protecting the interests of Sikhs through education and literature
 C) it prescribed a social code of conduct for Sikhs
 D) it was aimed at protecting the honour of Sikh woman and children
28. Which Guru was called 'Bala Pritam'?
 A) Guru Harkrishan Sahib B) Guru Amar Das Ji
 C) Guru Teg Bahadur Ji D) Guru Arjan Dev Ji
29. Which of the following is not correct?
 A) Punjab covers 1.5% of geographical area of country
 B) Punjab houses India's second largest tractor population
 C) Punjab has the highest per hectare fertilizer consumption
 D) main source of irrigation in Punjab are canals and tubewells
30. Punjab produces
 A) 2% of world's cotton, 2% of wheat and 1% of rice
 B) 5% of world's cotton, 5% of wheat and 2% of rice
 C) 3% of world's cotton, 3% of wheat and 1% of rice
 D) 1% of world's cotton, 3% of wheat and 6% of rice

31. Which country is the largest consumer of coal, accounting for almost half of world's consumption?
A) India B) USA C) China D) Russia
32. Which of the following is correct with respect to Commodity Transaction Tax (CTT)?
A) it comes to effect from July 1, 2013
B) its rate is 0.01% on transaction of various non-agricultural commodities
C) it is on futures trading and not on spot trading
D) all of the above
33. Which is world's largest desert?
A) Arabian Desert, Asia B) The Sahara, Africa
C) The Gobi, Asia D) Australian Desert, Australia
34. National Housing Bank is subsidiary of
A) RBI B) NABARD C) UTI D) LIC
35. Project 'Sanskalp' is associated with
A) illiteracy B) polio C) poverty D) AIDS/HIV
36. 'Mahatma' was added before Gandhiji's name during
A) Rowlatt Satyagraha B) Amritsar Session of INC in 1919
C) Champaran Satyagraha D) initial stage of Khalafat movement
37. 'Prosperity 2000' programme was launched with the help of
A) World Bank B) International Finance Commission
C) World Health Organization D) IMF
38. The 'stones' formed in human kidney consist mostly of
A) calcium oxalate B) calcium C) sodium oxalate D) magnesium sulphate
39. The office of Lokpal and Lokayukta in India is based on which one of the following?
A) Parliamentary commissioner of U.K. B) Ombudsman in Scandinavia
C) Procurator General of Russia D) Council of State in France
40. 'Epsom' is associated with
A) Polo B) Water Polo C) Table Tennis D) Horse riding
41. Complete the series 14, 19, 26, 35, 46, ____
A) 59 B) 49 C) 51 D) 58
42. In a certain language, MOTHER is written as ONHURF. How will ANSWER be written in that code?
A) NBXSSE B) NBWRRF C) MAVSPE D) NBWTRF

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

Rani and Shreshtha are a married couple having two daughters, Medha and Deepti. Deepti is married to Anurag who is the son of Garima and Tarun. Nidhi is the daughter of Anurag. Komal who is Anurag's sister, is married to Harshit and has two sons, Aman and Prem. Prem is the grandson of Garima and Tarun.

43. What is the relationship between Aman and Nidhi?
A) cousins B) husband-wife C) father-daughter D) uncle-niece

44. Which of the following is true?
 A) Tarun is Deepti's maternal uncle B) Aman is son of Medha
 C) Garima is Harshit's mother-in-law D) Nidhi is the cousin of Komal

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

- 1) There are 7 books one each on Psychology, Hindi, English, Sociology, Economics, Education and Accountancy, lying one above other
 2) Sociology is on the top of all books
 3) Accountancy is immediately below Education which is immediately below Sociology
 4) Economics is immediately above Psychology but in the middle
 5) Hindi is immediately below Psychology

45. Economics is between which of the following books?
 A) Accountancy and Education B) Psychology and Hindi
 C) English and Psychology D) Psychology and Sociology

46. Which three books are between Accountancy and Hindi?
 A) English, Economics and Psychology B) Economics, Psychology and Education
 C) Economics, Psychology and Hindi D) cannot be determined

47. The needle of a damaged compass which was showing correct direction North is now showing East. If Ram is going towards West as per damaged compass, then towards which direction is he actually going?
 A) West B) East C) North D) South

48. In the following series, how many pairs of successive number have a difference of two
 6 4 1 2 2 8 7 4 2 1 5 3 8 6 2 1 7 1 4 1 3 2 8 6
 A) 5 B) 6 C) 7 D) 8

49. If Atul finds that he is 12th from the right in a line of boys and 4th from the left. How many boys should be added to the line so that there are 28 boys in the line?
 A) 12 B) 13 C) 14 D) 15

50. Replace the question mark with one of the options given below:

24	144	384
6	36	?
2	12	32
1	6	16

- A) 80 B) 85 C) 91 D) 96
51. The maximum number of students among whom 1001 pens and 910 pencils can be distributed in such a way that each student gets the same number pens and the same number of pencils, is
 A) 91 B) 910 C) 101 D) 19
52. Some students planned a picnic. The budget for food was ₹ 500. But, 5 of them failed to go and thus cost of food for each student increased by ₹ 5. How many students attended the picnic?
 A) 15 B) 20 C) 25 D) 30
53. $\frac{x^2 - (y-z)^2}{(x+z)^2 - y^2} + \frac{y^2 - (x-z)^2}{(x+y)^2 - z^2} + \frac{z^2 - (x-y)^2}{(y+z)^2 - x^2} = ?$
 A) -1 B) 0 C) 1 D) 2

54. The average of 4 positive integers is 72.5. The highest integer is 117 and lowest integer is 15. The difference between the remaining two integers is 12. Which is higher of these 2 remaining integers?
A) 85 B) 70 C) 73 D) 75
55. A circular garden has a circumference of 440 m. There is a 7 m wide border inside the garden along its periphery. The area of border is
A) 2918 m² B) 2921 m² C) 2924 m² D) 2926 m²
56. A shopkeeper sells a badminton racket whose marked price is ₹ 30, at a discount of 15% and gives a shuttle cock costing ₹ 1.50 free with each racket. Even then he makes a profit of 20%. His cost price per racket is
A) ₹ 19.75 B) ₹ 20 C) ₹ 21 D) ₹ 21.25
57. A, B, C enter into partnership and their capitals are in the proportion $\frac{1}{3} : \frac{1}{4} : \frac{1}{5}$. A withdraws half his capital at the end of 4 months. Out of a total annual profit of ₹ 8470, A's share is
A) ₹ 2520 B) ₹ 2800 C) ₹ 3150 D) ₹ 4120
58. A fast train takes 3 hours less than the slow train for a journey of 600 km. If the speed of the slow train is 10 km/hour less than the fast train, the speed of the slow train is
A) 40 km/hr B) 30 km/hr C) 35 km/hr D) 45 km/hr
59. The difference between compound and simple interest at the same rate on ₹ 5000 for 2 years is ₹ 72. The rate of interest per annum is
A) 6% B) 8% C) 10% D) 12%
60. A leak in the bottom of a tank can empty the full tank in 6 hours. An inlet pipe fills water at the rate of 4 litre per minute. When the tank is full, the inlet is opened and due to leak, the tank in emptied in 8 hours. The capacity of the tank is
A) 5260 litres B) 5760 litres C) 5846 litres D) 6970 litres
61. If you want a logo to appear on every slide at a fix location in a presentation prepared using MS-PowerPoint, you should include it on the:
A) slide template. B) slide master C) slide document. D) slide file.
62. Suppose cell A1:A4 contain the following property values for four homes: Rs. 100000, Rs. 200000, Rs. 300000, Rs. 400000 respectively. Cell B1:B4 contain the following sales commissions on each of the corresponding property values: Rs. 7000, Rs. 14000, Rs. 21000, Rs. 28000. Then value of SUMIF(A1:A4,">160000",B1:B4) equals
A) 63000 B) 900000 C) 1000000 D) None of these
63. In MS-Word, Ctrl+J key combination is used for
A) Align Text to both left and right margins by adding spaces between words
B) Align Text to left margin by adding spaces between words
C) Align Text to right margin by adding spaces between words
D) Non of the Above
64. Which of the following is not a font style in MS-Word?
A) Bold B) Italics C) Regular D) Superscript
65. Portrait and Landscape in MS-Office are
A) Page Layout B) Paper Size C) Page Orientation D) All of above
66. If the intake air temperature of I.C. engine increases, its efficiency will
(A) increase (B) decrease (C) remain same (D) unpredictable

67. The inlet valve of a four stroke cycle I.C engine remains open for nearly
 (A) 180° (B) 125° (C) 235° (D) 200°
68. Which of the following medium is compressed in a diesel engine cylinder
 (A) air alone (B) air and fuel
 (C) air and lubricating oil (D) fuel alone
69. The type of air cycle used in diesel engine is called
 (A) Otto cycle (B) Carnot cycle (C) Diesel cycle (D) Rankine cycle
70. Thickness of sheet is measured with
 (A) standard wire gauge (B) feeler gauge (C) screw gauge (D) depth gauge
71. A mortise gauge is a
 (A) striking tool (B) planing tool (C) boring tool (D) marking tool
72. Four jaw chucks are specified by
 (A) width (B) length (C) diameter (D) none of the above
73. Minimum voltage of direct current for establishing an arc in welding is
 (A) 400 volts (B) 14 volts (C) 40 volts (D) 4 volts
74. Slitting is performed on
 (A) Coil Stock (B) Thin Material
 (C) Hard Material (D) None of above
75. Surface roughness on a drawing is represented by
 (A) circles (B) triangles (C) squares (D) rectangles
76. One reason why an alternator produces a higher output than a dynamo is because the alternator
 (A) has a accumulator (B) generates direct current
 (C) is driven faster (D) always uses a 'negative earth'
77. The main source of electric energy in an automobile is
 (A) spark plug (B) H.T. coil (C) dynamo (D) battery
78. Time dependent permanent deformation is called
 (A) Plastic deformation (B) Elastic deformation
 (C) Creep (D) An-elastic deformation
79. Shape of true stress-strain curve for a material depends on
 (A) Strain (B) Strain rate (C) Temperature (D) All of above
80. The method of joining metal surface by introducing a non ferrous alloy with melting point above 400 °C is known as
 (A) Soldering (B) Brazing (C) Welding (D) none of the above
81. Annealing improves
 (A) Grain size (B) Mechanical properties
 (C) Electrical properties (D) All of above
82. In over hanging beam, with equal over-hangs on each side of the supports, the shearing force between the supports will be zero if
 (A) Load is put at its centre
 (B) Load is put at the supports
 (C) Equal Load is put at the centre and each at the free end
 (D) Equal loads are put each at the free ends
83. In a slider crank chain, the number of possible inversions are
 (A) Three (B) Four (C) Five (D) six
84. The function of the governor is
 (A) to maintain constant average speed of the prime mover
 (B) to minimize the cyclic fluctuations
 (C) to control the flow of lubricating oil
 (D) to minimize the friction losses

85. As the shear angle increases, the plastic deformation of chip
 (A) Increases (B) Decrease (C) Remains same (D) None of the above
86. Process layout is used
 (A) Where expensive machinery is involved (B) Where operation require hand tools
 (C) Where product is manufactured in large quantity (D) None of the above
87. Economic order quantity is the quantity
 (A) Most economical to order (B) Most economical to stock
 (C) That enable availing maximum discount (D) None of the above
88. The formula used to find out the target quantity to have desired profit is
 (A) Fixed cost - target profit
 (B) Fixed cost + target profit
 (C) (Fixed cost + target profit)/Contribution per unit
 (D) (Fixed cost + variable cost)/ target profit
89. Quick return mechanism is used in
 (A) milling machine (B) broaching machine
 (C) shaper machine (D) none of the above
90. You have to machine a flat surface on a work piece of two meters length. Which machine will you choose for this
 (A) Planning (B) Slotting (C) Milling (D) Shaping
91. CNC machine are not manually controlled by
 (A) A programme (B) An operating system (C) A cam (D) A plug board system
92. Which one is an impulse turbine
 (A) Kaplan turbine (B) Francis turbine (C) Pelton wheel (D) Fourneyron
93. The Stefan Boltzman law states that
 (A) $E \propto T$ (B) $E \propto T^2$ (C) $E \propto T^3$ (D) $E \propto T^4$
94. If the body is at thermal equilibrium, then the
 (A) Emissivity = absorptivity (B) Emissivity > absorptivity
 (C) Emissivity < absorptivity (D) None of the above
95. The dry bulb temperature lines of psychometric chart are
 (A) Vertical (B) Horizontal (C) Inclined (D) Curved
96. The North West Corner rule
 (A) is used to find an initial feasible solution
 (B) is used to find an optimal solution
 (C) is based on the concept of minimizing opportunity cost
 (D) none of the above
97. Fresh water carrying pipelines in chemical industries are coloured with _____color.
 (A) red (B) brown (C) yellow (D) sea green
98. Holes of a sieve tray are arranged in triangular pitch of _____ times the hole diameter
 (A) 1.5 to 2 (B) 2.5 to 5 (C) 5 to 10 (D) 10 to 15
99. In case of a shell and tube heat exchanger, the minimum shell thickness for carbon steel (inclusive of corrosion allowance) depends on shell diameter and is in the range of
 (A) 3-5mm (B) 5-11mm (C) 8-15mm (D) 12-18mm
100. In a shell and tube heat exchanger, the 'tube pitch' is defined as the
 (A) O.D. of the tube for square pitch
 (B) shortest distance between two adjacent tube holes
 (C) shortest centre to centre distance between adjacent tubes
 (D) none of these

Answer- Key
Code: 12
(Production Manager(Kapurthala))

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

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