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-ਜੰਨ   (C) ਅੰਨ-ਪਾਣੀ   (D) ਅੰਨ-ਸਬਜੀ

(3) ਭਾਵ-ਵਾਚਕ ਨਾਂਵ ਚੁਣੋ:

    (A) ਸਕੂਲ, ਮਕਾਨ   (B) ਗਮੀ, ਖ਼ੁਸ਼ੀ   (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) ਬੇਇਜ਼ਤੀ ਕਰਨੀ   (B) ਆਦਰ ਮਾਣ ਕਰਨਾ

    (C) ਗਰਮੀ ਤੋਂ ਬਚਾਉਂਣਾ   (D) ਛਾਂ ਕਰ ਦੇਣੀ

(9) 'ਉੱਜੜੇ ਬਾਗਾਂ ਦੇ ....' ਅਖਾਣ ਪੂਰਾ ਕਰੋ :

    (A) ਮਾਲੀ ਨਿਕੰਮੇ   (B) ਫਲ ਮਿੱਠੇ   (C) ਅਮਰੂਦ ਕੌੜੇ   (D) ਗਾਲੜੂ 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 . <u>Do not forget</u>   <u>him</u>   <u>whom brought</u>   <u>this movement so far</u>.
       A   B   C   D

12. <u>The applicant,</u> <u>being a householder,</u> <u>he is entitled</u> <u>to a vote</u>.
       A   B   C   D

13. <u>Whom</u>   <u>did</u>   <u>you think</u>   <u>was there</u>?
     A   B   C   D

14. <u>I was</u>   <u>the man</u>   <u>whom they</u>   <u>thought was dead</u>.
     A   B   C   D

15. <u>The student,</u> <u>who you thought so highly of,</u> <u>has failed</u> <u>to win the first prize</u>.
       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 Teressa"?
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 Ramgarihia
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. $\dfrac{x^2 - (y-z)^2}{(x+z)^2 - y^2} + \dfrac{y^2 - (x-z)^2}{(x+y)^2 - z^2} + \dfrac{z^2 - (x-y)^2}{(y+z)^2 - x^2} = ?$
    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 m^2 B) 2921 m^2 C) 2924 m^2 D) 2926 m^2

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, Crtl+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 value 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) feeter 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 ^{0}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