Question Booklet and Answer-Keys
Wireman Instructor

English Version

1. ਦੀਵੇ ਥੱਲੇ .....

(A) ਮੀਨ (B) ਤਲ (C) ਹਨੇਰਾ (D) ਪਲੇਟ

2. 'ਮੀਂਹ ਨਹੀਂ ਪਿਆ ਤੇ ਫਸਲਾਂ ਸੁੱਕ ਗਈਆਂ' ਵਾਕ ਦੀ ਕਿਹੜੀ ਕਿਸਮ ਹੈ:

(A) ਮਿਸਰਿਤ (B) ਸੰਯੁਕਤ (C) ਪ੍ਰਸ਼ਨ ਵਾਚਕ (D) ਵਿਸਮਿਕ

3. ਜਿਹੜਾ ਜੂਨਾਂ ਤੋਂ ਰਹਿ ਹੋਵੇ:

(A) ਅਜੂਨੀ (B) ਅਖੰਡ (C) ਅਵੰਡ (D) ਨਾਸ਼ਵਾਨ

4. ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ ਦੀਆਂ ਕਿੰਨੀਆਂ ਕਿਸਮਾਂ ਹੁੰਦੀਆਂ ਹਨ:

(A) ਚਾਰ (B) ਪੰਜ (C) ਛੇ (D) ਅੱਠ

5. ਯੋਜਕ ਚੁਣੋ :

(A) ਤੇ, ਅਤੇ, ਕਿਉਂਕਿ (B) ਦਾ, ਦੇ, ਦੀ

(C) ਨੂੰ, ਨਾਲ (D) ਇਨ੍ਹਾਂ ਵਿਚੋਂ ਕੋਈ ਵੀ ਨਹੀਂ

Directions(Q.No. 6-8):- Out of the four options , choose the correct preposition to be filled in the gaps:-

6. He prefers milk __ tea.

(A) for (B) to (C) into (D) by

7. She is covetous ___ luxuries.

(A) by (B) of (C) at (D) with

8. Ramesh is proficient __ French.

(A) of (B) in (C) with (D) from

Directions (Q.No. 9-10) :- Out of the four given options, choose the correct form of the indirect narration.

9. Ravinder Jadeja said, " How clever I am !"

(A) Ravinder Jadeja exclaimed with grief how clever I was.
(B) Ravinder Jadeja exclaimed that he was very clever.
(C) Ravinder Jadeja declared with pride that he is very clever.
(D) Ravinder Jadeja said that he is very clever.

10. He said, " Bravo! You have done well."

(A) He congratulated him and said that he did well.
(B) He applauded him, saying that he had done well.
(C) He praised him and said that he would do well.
(D) He praised him and said that he had been doing well.

11. Who cremated the headless body of Guru Teg Bahadur?

A) Bhai Lakhi Singh Banjara B) Bhai Man Singh Lohara
C) Bhai Teja Singh Ghumara D) Bhai Ganda Singh Sunara

12. Which Sikh-Takht is also called as Guru Ki Kashi?

A) Keshgarh Sahib B) Damdama Sahib C) Hazur Sahib D) Patna Sahib

13. How many total Districts are there in Punjab?

A) 20 B) 22 C) 24 D) 36

14. The Indian struggle was the autobiography of

A) Subhash Chander Bose B) Lala Lajpat Rai
C) Lala Hardayal D) Sohan Singh Bakhna

15. Amrita Pritam was choosen for Sahitya Akademi Award for her work
A) Aj Akhan Waris Shah noo B) Sunehray C) Save Pattar D) Pinjar

16. Refrigeration is a process in which the decomposition of food is
A) retarded B) stopped C) speeded up D) delayed

17. The tax on import and export is known as:
A) Income Tax B) Trade Tax C) Custom duty D) Excise duty

18. The election to Panchayats are to be held:
A) every four years B) every five years
C) when the State Government decides to do so D) at the Centre's directive

19. The latitude of a place is expressed by its angular distance in relation to
A) Equator B) South Pole C) Axis of the Earth D) North Pole

20. In which Indian zoo were the thirty one Black Bucks killed by the stray dogs on Jaunary 19, 2013?
A) Kanpur Zoo B) Lucknow Zoo C) Delhi Zoo D) Patna Zoo

21. Choose the odd one out.
A) Valley B) Sea C) Tower D) Mountain

22. If, in a language, 'finger' is called 'toe', 'toe' is called 'foot', 'foot' is called 'thumb', 'thumb' is called 'ankle', 'ankle' is called 'palm' and 'palm' is called 'knee', then in that language, what will an illiterate man put to mark his signatures?
A) Toe B) Knee C) Thumb D) Ankle

23. I) F is the brother of A,
II) C is the daughter of A,
III) K is the sister of F,
IV) G is the brother of C.
Who is the uncle of G?
A) A B) C C) F D) K

24. Rahul told Anand, "Yesterday I defeated the only brother of the daughter of my grandmother." Whom did Rahul defeat?
A) Son B) Father C) Brother D) Father-in-law

25. A, P, R, X, S and Z are sitting in a row. S and Z are in the centre, and A and P are at the ends. R is sitting on the left of A. Then who is sitting on the right of P?
A) A B) S C) X D) Z

26. In a row of boys, if A who is tenth from the left and B who is ninth from the right interchange their positions, A becomes fifteenth from the left. How many boys are there in the row?
A) 23 B) 27 C) 28 D) 31

27. A walks 10 metres in front and 10 metres to the right. Then every time turning to his left, he walks 5, 15 and 15 metres respectively. How far is he now from his starting point?
A) 5 metres B) 10 metres C) 15 metres D) 20 metres

28. Read the trend of characters in the following matrix and find out the missing character.

1	2	3
11	7	5
120	45	?

A) 19 B) 17 C) 16 D) 15

29. The positions of the second and the eighth digits of the number 39128564 are interchanged. Similarly, the positions of the fourth and the fifth digits are interchanged. The positions of the first and the sixth digits are interchanged and the positions of the third and the seventh digits are interchanged. Which of the following will be the third digit to the left of 3 after the rearrangement?
A) 2 B) 4 C) 6 D) 8

30. Which of the following will not be a number of the series 1, 8, 27, 64, 125, …..?
A) 256 B) 512 C) 729 D) 1000

31. $3\frac{1}{4} + 4\frac{1}{6} + ? + \frac{1}{4} = 10$
A) $2\frac{1}{6}$ B) $4\frac{1}{3}$ C) $1\frac{1}{3}$ D) $2\frac{1}{3}$

32. The average of 6 observations is 45.5. If one new observation is added to the previous observations, then the new average becomes 47. The new observation is:
A) 58 B) 56 C) 50 D) 46

33. The product of Ramu's age 5 years ago with his age 7 years later is 28. Ramu's present age is:
A) 4 years B) 6 years C) 7 years D) 8 years

34. If the cost price of 4 things be equal to the sale price of 3 things, then the profit percent is:
A) 25% B) $33\frac{1}{3}\%$ C) $37\frac{1}{2}\%$ D) 40%

35. A and B can finish a piece of work in 30 days. They worked at it for 20 days and then B left. The remaining work was done by A alone in 20 more days. A alone can finish the work in
A) 48 days B) 50 days C) 54 days D) 60 days

36. Two trains start from stations A and B and travel towards each other at 50 km/hr and 60 km/hr respectively. At the time of their meeting, the second train has travelled 120 km more than the first. The distance between A and B is:
A) 990 km B) 1200 km C) 1320 km D) 1440 km

37. ₹6000 becomes ₹7200 in 4 years at a certain rate of interest. If the rate becomes 1.5times of itself, the amount of the same principal in 5 years will be:
A) ₹8000 B) ₹8250 C) ₹9000 D) ₹9250

38. The perimeter of a floor of a room is 18 m. What is the area of four walls of the room, if its height is 3 m?
A) 21 m^2 B) 42 m^2 C) 54 m^2 D) 108 m^2

39. The angle between the minute hand and the hour hand of a clock when the time is 4.20, is:
A) 0^o B) 10^o C) 5^o D) 20^o

40. The smallest number which is divisible by 12, 15, 20 and is a perfect square, is:
A) 400 B) 900 C) 1600 D) 3600

41. Which one of the following statements is correct?
A) a good teacher back bites B) a good teacher inspires
C) a good teacher shirks work D) a good teacher lives for himself

42. How will you raise the standard of weak students?
A) by dictating the notes B) with help of other students
C) by giving special attention D) by informing the parents

43. Which of the following is the correct attitude of a teacher towards students?
A) supremacy B) sympathetic C) outspoken D) tolerant

44. Which one of the followings develop imagination among learners?
A) radio B) books C) pictures D) educational films

45. What is the compulsory element of learning?
A) tendency to know B) bright mind C) ability to read D) none of these

46. Learners should not be encouraged to
A) participate in as many co-curricular activities as possible
B) memorize all the answers to questions the teacher may ask
C) ask as many questions as possible
D) actively interact with other learners in group work

47. Motivation is affected by following factors except
A) number of family members B) opportunity to participate
C) competition D) rewards and punishment

48. Curriculum is an educational programme which does not state
A) the content, teaching strategies and learning experience which will be necessary to achieve the purpose
B) means of evaluating whether these educational ends have been achieved or not
C) the lesson planning details
D) the educational purpose of a programme

49. The type of evaluation which is used to monitor learning progress during instructions is called
A) formative evaluation B) summative evaluation
C) placement evaluation D) diagnostic evaluation

50. Teacher's day is celebrated on 5^{th} September in honour of
A) Rabindra Nath Tagore B) Sarvapalli Radha Krishan
C) Dr. Zakir Hussain D) Babu Rajindra Prasad

51. Which of the following is not an input device?
A. Touch screen B. Optical scanners C. Touch Pad D. Mouse Pad

52. Which device is used to backup the data?
A. Floppy Disc B. Magnetic Tape C. Network Derive D. All of these

53. Memory unit is one part of _____.
A. Input device B. CPU C. Control device D. Output Device

54. Mouse is a part of _____.
A. Output device B. Memory Device C. Input Device D. Control device

55. Personal Computers use a number of chips mounted on a main circuit board. What is the common name for such boards?
A. Mother boards B. Daughter boards C. Father boards D. Bread boards

56. Three 3 ohm resistors are connected to form a triangle. What is the resistance between any two of the corners?
A. ¾ ohm B. 3 ohm C. 2 ohm D. 4/3 ohm

57. Ohm's law is not applicable to…..
A. DC circuits B. AC circuits C. small resistors D. semiconductors

58. A wire of resistance R has it length and cross-section both doubled. Its resistance will become___.
A. 4 R B. 2 R C. R D. R / 4.

59. Resistivity of a wire depends on_____-.
A. Length B. Material C. Cross section area D. None of the above.

60. Kirchhoff's second law is based on law of conservation of_____.
A. Charge B. Energy C. Momentum D. Mass.

61. An electric current of 5 A is same as
A. 5 J / C B. 5 V / C C. 5 C / sec D. 5 w / sec.

62. Which resistor will be physically larger in size?
A. 10 ohm, 50 W B. 100 ohm, 10 W C. 1 kohm, 1 W D. 10 Mohm, 1/ 2 W.

63. Which method can be used for absolute measurement of resistance?
A. Ohm's law method B. Wheatstone bridge method
C. Both A & B D. None of these.

64. The element of electric heater is made of_____--.
A. Copper B. Steel C. Carbon D. Nichrome

65. Which of the following has negative temperature coefficient?
A. Brass B. Mercury C. Electrolytes D. Silver.

66. Variable resistors are_____.
A. Wire wound resistors B. Thin film resistors
C. Thick film resistors D. All of the above.

67. A resistor with the color coded value of 1000 ohms and ± 10% tolerance can have an actual resistance between _____.
A. 990 ohm and 1010 ohm B. 900 ohm and 1100 ohm
C. 1000 ohm and 1100 ohm D. 900 ohm and 1000 ohm.

68. The four stripes of a resistor are yellow-violet-orange-gold. The value of resistor should be
A. 470 ohms ± 5 % B. 47 kilo ohm ± 5%
C. 47 mega ohms ± 5% D. 4700 ohms ± 10%.

69. Which of the following can have positive or negative charge?
A. Electron B. Iron C. Hole D. Neutron.

70. Materials having electrical conductivity much less than most of the metals but much greater than that of typical insulators, are known as
A. Thermistors B. Varistors C. Semi-conductors D. Variable resistors.

71. Unit of flux density in magnetic circuits is _____.
A. Tesla B. dB C. Weber D. Hz

72. Which one is a vector quantity out of the followings?
A. Energy B. Volume C. Area D. Force

73. Megger is used to test _____.
A. Insulation B. Current C. Capacitance D. None of these

74. The current in a 200 mH coil increases from 2 to 5 A in 0.1 Second. What is rate of change of current?
A. 30 A/s B. 20 A/s C. 10 A/s D. none of these

75. Which one is not a charging method for secondary cells?
A. constant current method B. constant potential method
C. Rectifier method D. Magnetism method

76. If a cell connection is reversed in parallel group, what will happen?
A. Open circuit B. All cells will be equally charged
C. short circuit D. Nothing will happen

77. The simplest method of measuring low resistance is the _____method.
A. Kelvin Bridge B. Wheatstone Bridge
C. Voltmeter and Ammeter D. Ohm's Law

78. Two wattmeters connected to measure the power input to a balanced three-phase circuit indicate 4.5 KW and 3 KW respectively. Find the power factor of the circuit.
A. 0.7 B. 0.8 C. 0.95 D. 0

79. What is the purpose of using flux at the time of soldering?
A. To remove oxidation B. To prevent corrosion
C. To promote wet surface D. All of these

80. What is riveting?
A. Making permanent joints B. making temp joints
C. soldering method D. None of these

81. In electrical machines the material preferred for pole shoes of electro-magnets is
A. Pure iron B. Aluminium C. Copper D. Lead.

82. The power factor of an alternator depends on
A. Load B. Speed of rotor C. Core losses D. Armature losses.

83. Annealed copper is used in
A. Low voltage cables B. Flexible wires
C. Machine windings D. All of the above.

84. The armature of D.C. generator is laminated to_____.
A. Reduce bulk B. Provide bulk
C. Reduce eddy current loss D. Insulate the core

85. In D.C. generators pole shoes are fastened to the pole core by _____.
A. Riveting B. counter sunk screws C. Brazing D. Welding

86. The bearings used to support the rotor shafts are generally
A. Ballbearings B. Bush bearings
C. Magnetic bearings D. Niddle bearings

87. A shunt d.c. motor works on a.c. mains _____.
A. Unsatisfactorily B. Satisfactorily
C. Not at all D. None of the above

88. The d.c. series motor should never be switched on at no load because
A. The field current is zero B. The machine does not pick up
C. The speed becomes dangerously high D. It will take too long to accelerate.

89. Low voltage circuit breakers have rated voltage of less than_____-.
A. 220 V B. 400V C. 1000 V D. 10,000 V.

90. What is a Tong-Tester?
A. Its Clip-on- Ammeter B. It measures high AC.
C. Clam-on-Ammeter D. All of above

91. In emergency light which one is not used?
A. AC power supply B. Battery C. Megger D. Transformer

92. Which parameter is not changed by transformer _____.
A. Amplitude B. Power C. Frequency D. None of these

93. Majority carriers in n type semiconductor are_____.
A. Electrons B. Holes C. Both D. None

94. Transformer oil is used as _____-.
A. Doping Element B. Coolant C. Power booster D. None

95. Under Ground EHT cables can carry voltage above _____-.
A. 32 kV B. 11 kV C. 16 kV D. None

96. CRO is used to measure _____.
A. Amplitude B. Phase difference C. Frequency D. All of these

97. Which rectifier can convert AC to DC?
A. Half wave rectifier B. Full wave rectifier
C. Bridge wave rectifier D. All of these

98. Zener diode is used in _____.
A. Regulated power supplies B. Power generators
C. Sensor D. All of these

99. Which power amplifier has highest efficiency?
A. Class A B. Push pull Class B
C. Transformer coupled Class B D. All have equal efficiency.

100. Transistors can be used as _____.
A. Amplifier B. Adder C. Relay D. MCB

Answer- Key
Code: WiI-13 (Wireman Instructor)

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