

Question Booklet and Answer-Keys Welder Instructor

English Version

1. ਜਿਸ ਸਾਲ ਵਰਖਾ ਨਾ ਹੋਵੇ:
(A) ਔੜ (B) ਸੌਣ (C) ਬਰਸਾਤ (D) ਹੜ
2. ਦੁਆਬੀ ਭਾਸ਼ਾ ਕਿਹੜੇ ਕਿਹੜੇ ਇਲਾਕੇ ਵਿੱਚ ਬੋਲੀ ਜਾਂਦੀ ਹੈ:
(A) ਬਟਾਲਾ, ਗੁਰਦਾਸਪੁਰ (B) ਜਲੰਧਰ, ਹੁਸ਼ਿਆਰਪੁਰ
(C) ਪਟਿਆਲਾ, ਸੰਗਰੂਰ (D) ਫਿਰੋਜ਼ਪੁਰ, ਫਰੀਦਕੋਟ
3. ਪੰਜਾਬੀ ਵਿੱਚ ਵਿਅੰਜਨ ਅੱਖਰਾਂ ਦੀ ਗਿਣਤੀ ਕਿੰਨੀ ਹੈ:
(A) ਪੱਚੀ (B) ਪੈਂਤੀ (C) ਬੱਤੀ (D) ਤੇਤੀ
4. ਅਭਿਆਸ ਨੂੰ ਸ਼ੁੱਧ ਕਿਵੇਂ ਲਿਖਿਆ ਜਾਵੇਗਾ:
(A) ਅਿ (B) ਭੇ (C) ਭੀ (D) ਭਿ
5. ਹੇਠ ਲਿਖਿਆਂ ਵਿੱਚੋਂ ਸਹੀ ਸਮਾਸੀ ਸ਼ਬਦ ਚੁਣੋ:
(A) ਅੰਨ-ਰੋਟੀ (B) ਅੰਨ-ਪਾਣੀ (C) ਅੰਨ-ਦੇਵੀ (D) ਅੰਨ-ਸਬਜ਼ੀ

Directions (Q. No. 6-8):- Choose the correct preposition, out of the four given options, to be filled in the blanks:-

6. As the Head of the Institution, you should conform__ rules.
(A) to (B) with (C) by (D) in
7. His abstinence __ drugs is largely appreciated.
(A) from (B) of (C) off (D) with
8. Your expression of inability is tantamount __ a refusal to help.
(A) to (B) with (C) of (D) about

Directions (Q.No. 9-10) :- Choose the underlined part in each of the following sentences that has an error:-

9. We discussed about the matter in the meeting of the officials yesterday.
A B C D
10. Sarita made the boy to do the whole work.
A B C D
11. Which is the birth place of Guru Gobind Singh
A) Amritsar B) Nanded C) Patna Sahib D) Chamkaur Sahib
12. Which district of Punjab does not have common boundary with any of the neighbouring states of India?
A) Ferozpur B) Faridkot C) Taran Taran D) Mansa
13. How many Divisions are there in Punjab ?
A) 3 B) 5 C) 4 D) 7
14. Lala Lajpat Rai began his practice of Law in
A) Hissar B) Lahore C) Ferozpur D) Ludhiana
15. What percentage of population does Sikhs comprise in Punjab?
A) 66% B) 60% C) 62% D) 65%
16. Heart attack occurs due to
A) bacterial attack on the heart
B) stopping of heart beat
C) lack of blood supply to the heart itself
D) impairment of heart's working due to unknown reasons

17. In India, population density is defined as the number of persons:
A) Per square mile B) Per square kilometre
C) Per lakh square mile D) Per lakh square kilometre
18. Who administers the oath of office to the President?
A) Chief Justice of India B) Speaker of Lok Sabha
C) Prime Minister D) Vice-President
19. ‘Do or die’ was one of the most powerful slogans of India’s freedom struggle. Who gave it?
A) Gandhiji B) J.L. Nehru C) Balgangadhar Tilak D) Subhash Chandra Bose
20. India recently signed a new and revised Visa Pact with –
A) Bangladesh B) Japan C) France D) Pakistan
21. Choose the odd one out.
A) Curd B) Butter C) Oil D) Cheese
22. In a code language, ‘*mok dan sil*’ means ‘*nice big house*’, ‘*fit kon dan*’ means ‘*house is good*’ and ‘*warm tir fit*’ means ‘*cost is high*’. Which word stands for ‘*good*’ in that language?
A) mok B) dan C) fit D) kon
23. Q is the brother of R; P is the sister of Q; T is the brother of S; S is the daughter of R. Who are the cousins of Q?
A) R and P B) P and T C) Q and T D) S and T
24. Looking at a portrait of a man, Harsh said, “His mother is the wife of my father’s son. Brothers and sisters I have none.” At whose portrait was Harsh looking?
A) His son B) His cousin C) His uncle D) His nephew
25. Five children were administered psychological tests to know their intellectual levels. In the report, psychologists pointed out that the child A is less intelligent than the child B. The child C is less intelligent than the child D. The child B is less intelligent than the child C and child A is more intelligent than the child E. Which child is the most intelligent?
A) A B) B C) D D) E
26. P, Q, R, S and T are sitting around a circular table. R is to the right of P and is second to the left of S. T is not between P and S. Who is second to the left of R?
A) Q B) S C) T D) Data inadequate
27. A man is facing towards west and turns through 45° clockwise, again 180° clockwise and then turns through 270° anti clockwise. In which direction is he facing now?
A) West B) North-west C) South D) South-west
28. Read the trend of characters in the following matrix and find out the missing character.

2	2	256
3	2	?
4	2	46656

- A) 2765 B) 3125 C) 8796 D) 30008

29. How many 8s are there in the following number series each of which is exactly divisible by its immediately preceding and also divisible by immediately succeeding numbers?
8 2 4 5 1 7 2 8 4 8 4 2 2 8 2 6 9 8 4 5 4 8 3 2 8 4 3 1 8 3
A) 1 B) 2 C) 3 D) 4
30. Replace the question mark(?) in the given series.
589654237, 89654237, 8965423, 965423, ?
A) 58965 B) 65423 C) 89654 D) 96542
31. $5\frac{5}{6} \times 6\frac{3}{7} + 5\frac{1}{2} = ?$
A) 40 B) 40.5 C) 42.5 D) 43
32. The average weight of 8 men is increased by 1.5 kg when one of the men who weights 65 kg is replaced by a new man. The weight of the new man is:
A) 70 kg B) 74 kg C) 76 kg D) 77 kg
33. The ratio of the ages of a father and his son 10 years hence will be 5:3 while 10 years ago, it was 3:1. The ratio of the age of the son to that of his father today, is
A) 1:2 B) 1:3 C) 2:3 D) 2:5
34. Ram bought 1600 eggs at ₹ 3.75 per dozen. He sold 900 of them at 2 for ₹ 1 and the remaining at 5 for ₹ 2. His gain percent is:
A) 40% B) 45% C) 42% D) 46%
35. A does 20% less work than B. If A can complete a piece of work in $7\frac{1}{2}$ hours then B can do it in
A) 5 hours B) $5\frac{1}{2}$ hours C) 6 hours D) $6\frac{1}{2}$ hours
36. Two trains approach each other at 30 km/hr and 27 km/hr from two places 342 km apart. After how many hours will they meet?
A) 5 hours B) 6 hours C) 7 hours D) 12 hours
37. If the simple interest on a certain sum of money for 15 months at $7\frac{1}{2}\%$ per annum exceeds the simple interest on the same sum for 8 months at $12\frac{1}{2}\%$ p.a. by ₹ 32.50. The sum is
A) ₹ 312 B) ₹ 312.50 C) ₹ 3120 D) ₹ 3120.50
38. A hall 20 m long and 15 m broad is surrounded by a verandah of uniform width of 2.5 m. the cost of flooring the verandah at ₹ 17.50 per sq. metre is:
A) ₹ 2500 B) ₹ 3000 C) ₹ 3500 D) ₹ 4000
39. At what time between 9 and 10 o'clock will the hands of a watch be together?
A) 45 min. past 9 B) 50 min. past 9 C) $49\frac{1}{11}$ min. past 9 D) $48\frac{2}{11}$ min. past 9
40. The greatest number which can divide 1354, 1866 and 2762 leaving the same remainder 10 in each case, is
A) 64 B) 124 C) 156 D) 260
41. As a student, you would like a teacher who
A) guides you properly B) listens to you
C) is popular in school D) talks about films and other things you like

42. Teachers use visual aids to make learning
 A) simple B) more knowledgeable C) quicker D) interesting
43. For effective and successful teaching, the most desirable activity is
 A) to dictate maximum notes to the students
 B) to elaborate subject through practical examples
 C) to use black board as much as possible
 D) to use literary language as much as possible
44. Education at best is
 A) the emotional development of the students B) the process of religious faith
 C) the process of flowering students D)intellectual development of the students
45. Instructions can be given by
 A) human being B)machines C)both A and B above D)neither of A or B
46. Learning process is enhanced by factors below except
 A) good socio-cultural background B) element of creativity
 C) corporal punishment D) motivational capacity
47. Achievement motivation is
 A) willingness to accept success and failure equally
 B) tendency to persist at challenging tasks
 C) tendency to act impulsively
 D) tendency to avoid failure
48. Good evaluation of written material should not be based on
 A) linguistic expression B) logical presentation
 C) ability to reproduce whatever is read D) comprehension of subject
49. The best curriculum is one which is according to
 A) ability of the child B) need of the child
 C) interest of the child D) all of these along with need of society
50. Equal educational opportunity means
 A) equal opportunity for all children to have access to education
 B) equal opportunity to have the type of education which one is suited for
 C) equality of educational standards for each child
 D) all of the above
51. Which memory is used in high performance systems, inserted between the processor and memory
 (a) ROM (b) SAM (c) Cache (d) RAM
52. Which one of the following has smallest storage capacity
 (a) CD (b) DVD (c) Zip Disk (d) Floppy disk
53. The language used in making web pages is
 (a) C++ (b) HTML (c) Pascal (d) All of the above
54. Making illegal copies of copyrighted software is called
 (a) software piracy (b) electronic distribution
 (c) browsing (d) collaboration

55. A record of personal finances is best maintained by using
 (a) word processing software (b) spreadsheet software
 (c) database software (d) presentation software
56. The depth micrometer is used for the measurement of a wide range of sizes because
 (a) It has a very lengthy spindle
 (b) It has adjustable stock for different size settings
 (c) It has a lengthy graduated sleeve
 (d) It has a number of extension rods for the different range of sizes
57. Which instrument is used for checking the parallelism of filed surfaces
 (a) Caliper (b) Steel rule (c) Try square (d) None of above
58. The feeler gauge is used for
 (a) Checking the gap between mating parts
 (b) Checking the radius of workpieces
 (c) Checking surface roughness
 (d) Checking the accuracy of the hole locators.
59. A mortise gauge is a
 (a) striking tool (b) planing tool (c) boring tool (d) marking tool
60. Mallet is used in
 (a) welding shop (b) sheet metal shop (c) carpentry shop (d) all of the above
61. Snip is a
 (a) cutting tool (b) marking tool (c) measuring tool (d) none of the above
62. The temperature of oxy-hydrogen flame is _____ oxy-acetylene flame
 (a) same as (b) less than (c) more than (d) none of the above
63. In back-hand welding, the angle between the welding torch and the work is kept as
 (a) 60° - 70° (b) 50° - 60° (c) 40° - 50° (d) 30° - 40°
64. In _____ welding, the weld may be made either from left to right or from right to left
 (a) Horizontal (b) Vertical (c) back-hand (d) fore-hand
65. The oxy-acetylene gas used in gas welding produce a flame temperature of
 (a) 2100°C (b) 3200°C (c) 2400°C (d) 1800°C
66. The oxygen cylinder is usually painted with
 (a) white colour (b) maroon colour (c) black colour (d) yellow colour
67. In fore-hand welding, the angle between the welding torch and the work is _____ as compared to back-hand welding
 (a) same (b) less (c) more (d) none of the above
68. Lap joints are employed on plates having thickness
 (a) less than 3 mm (b) 5 to 10 mm (c) 12.5 mm (d) above 25 mm
69. Minimum voltage of direct current for establishing an arc is
 (a) 400 volts (b) 40 volts (c) 14 volts (d) 4 volts

70. S.W.G. stands for
 (a) Suitable Wire Gauge (b) Selected Wire Gauge
 (c) Special Wire Gauge (d) Standard Wire Gauge
71. In case of medium coated electrodes, the ratio of coating diameter to the core wire diameter is from
 (a) 1.2 to 1.3 (b) 1.3 to 1.4 (c) 1.4 to 1.5 (d) 1.5 to 1.6
72. Central white cone is found in
 (a) Natural flame (b) Oxidizing flame
 (c) Carburizing flame (d) None of these
73. Which is destructive metal test
 (a) Flame test (b) Magnet test (c) Colour test (d) Chisel test
74. Acetylene gas is produced by fusing water with
 (a) oil (b) Acid (c) Lime (d) None of these
75. The rough welds are due to
 (a) Too low current (b) Too high current
 (c) Wrong arrangement of electrodes (d) All above
76. According to ISI (815-1956), code number consists of M followed by six digit. In this what does second digit stand for
 (a) Type of covering (b) Welding position
 (c) Welding current conditions (d) Minimum tensile strength of weld metal
77. The position in which it is easiest to weld is
 (a) Flat (b) Horizontal (c) Vertical (d) None of these
78. An excess quantity of oxygen is mixed with acetylene for burning and obtaining
 (a) Natural flame (b) Oxidizing flame (c) Carburizing flame (d) None of above
79. The current in the welding arc may vary from
 (a) 10 to 20 amperes (b) 100 to 200 amperes
 (c) 100 to 1000 amperes (d) 100 to 2000 amperes
80. Which gases are used in gas welding process
 (a) Oxygen and hydrogen (b) Acetylene and oxygen
 (c) Acetylene and LPG (d) Helium and oxygen
81. Electrode melt faster at
 (a) cathode (b) anode (c) both (a) and (b) (d) none of the above
82. Which of the welding is suitable for light coated electrodes
 (a) plasma arc (b) AC welding (c) gas welding (d) DC welding
83. In gas welding, oxygen effect is to produce
 (a) blow holes (b) cracks (c) distortion (d) poor penetration
84. Function of the cable connector is to connect
 (a) machine with work piece (b) end of cable with workpiece
 (c) both (a) and (b) (d) none of the above

85. Amount of oxygen and acetylene is in equal quantity in
 (a) carburizing flame (b) neutral flame
 (c) oxidizing flame (d) all of the above
86. Filler rod is given circular or side to side motion in
 (a) left hand welding (b) vertical welding
 (c) right hand welding (d) horizontal welding
87. Low pressure gas welding have a pressure of
 (a) less than 7KN/m^2 (b) more than 7KN/m^2 (c) 10KN/m^2 (d) 15KN/m^2
88. For welding two plates of thickness less than 5mm, its edges
 (a) do not require beveling (b) should have a single V or U on one side
 (c) should have a single V or U on both side (d) none of the above
89. Arc produced between electrode and work piece in arc welding is by
 (a) contact resistance (b) flow of current (c) voltage (d) all of the above
90. Consumable electrodes are used in
 (a) TIG welding (b) spot welding (c) thermit welding (d) MIG welding
91. Which of the following process is used for cutting and welding of non ferrous metals
 (a) carbon arc welding (b) inert gas arc welding
 (c) submerged arc welding (d) metal arc welding
92. The material used for coating the electrode is called
 (a) binder (b) slag (c) de oxidizer (d) flux
93. Which of the following welding process uses non consumable electrodes
 (a) Laser welding (b) MIG welding (c) TIG welding (d) ion beam welding
94. Grey cast iron is best welded by
 (a) TIG welding (b) MIG welding (c) arc welding (d) oxy acetylene welding
95. Pre-heating is essential in welding
 (a) high speed steel (b) stainless steel (c) cast iron (d) silver
96. Long arc lengths in welding would require the voltages and currents respectively as below
 (a) high, high (b) low, low (c) high, low (d) low, high
97. TIG welding is best suited for welding
 (a) mild steel (b) stainless steel (c) carbon steel (d) aluminum
98. In the manual TIG welding, the angle of the electrode holder with the direction of welding is
 (a) 70° (b) 30° (c) 45° (d) 60°
99. Carbon arc welding is
 (a) process which uses a mixture of iron oxide and granular aluminum
 (b) process in which arc is maintained under a blanket of flux
 (c) used to weld carbon rods
 (d) none of the above
100. Arc welding uses following electric supply
 (a) AC (b) DC (c) both AC and DC (d) none of the above

Answer- Key

Code: WeI-12 (Welder Instructor)

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