

Question Booklet and Answer-Keys

Motor Mechanic Instructor

StudySite.org

ENGLISH VERSION

1. ਮੈਂ ਇਸ ਸਾਲ ਬੀ. ਏ. ਪਾਸ ਕਰਨੀ ਚਾਹੁੰਦਾ ਹਾਂ, ਕਿਹੜਾ ਵਾਕ ਹੈ:
(A) ਸਾਧਾਰਨ (B) ਮਿਸ਼ਰਤ (C) ਸੰਯੁਕਤ (D) ਵਿਸਮਿਕ
2. ਜਿਸ ਥਾਂ ਤੋਂ ਚਾਰ ਪਾਸਿਆਂ ਨੂੰ ਰਸਤਾ ਨਿਕਲੇ:
(A) ਦੁਰਸਤਾ (B) ਪੀਰਾਂ ਵਾਲਾ ਰਸਤਾ (C) ਚੁਰਸਤਾ (D) ਪਵਿੱਤਰ ਥਾਂ
3. ਸ਼ੁੱਧ ਸ਼ਬਦ ਜੋੜ ਚੁਣੋ:
(A) ਔਗੁਣ (B) ਔਗੁਣ (C) ਔਗੁਣ (D) ਅਉਗਣ
4. ਉਠ ਤੋਂ ਛਾਨਣੀ ਲਾਹਿਆਂ ... ਅਖਾਣ ਪੂਰਾ ਕਰੋ:
(A) ਭਾਰ ਹੌਲਾ ਨਹੀਂ ਹੁੰਦਾ (B) ਉਠ ਬੈਠ ਜਾਂਦਾ ਹੈ
(C) ਉਠ ਤੁਰ ਨਹੀਂ ਸਕਦਾ (D) ਉਠ ਦਾ ਭਾਰ ਘੱਟ ਜਾਂਦਾ ਹੈ
5. ਨਾਵ ਕਿੰਨੇ ਪ੍ਰਕਾਰ ਦੇ ਹੁੰਦੇ ਹਨ:
(A) ਤਿੰਨ (B) ਚਾਰ (C) ਸੱਤ (D) ਪੰਜ

Directions (Q. No. 6-8):- Out of the four options, choose the correct form of the **Passive Voice** of the following sentences:-

6. We will execute all orders promptly.
(A) All orders will be executed promptly.
(B) All orders will have been executed by us promptly.
(C) We will have promptly executed all orders.
(D) All orders will be allowed to be executed promptly.
7. Why did your brother write such a letter?
(A) Why was such a letter written by your brother?
(B) Why such a letter was written by your brother?
(C) Why your brother wrote such a letter?
(D) Why your brother was writing such a letter?
8. All his friends laughed at him.
(A) He was laughed at by all his friends.
(B) He had been laughed at by all his friends.
(C) All his friends were laughed at him.
(D) He had laughed at all his friends.

Directions (Q.No.9-10):- Out of the four options, choose the correct preposition to be filled in the blanks:-

9. Radhika is also implicated ___ this crime.
(A) in (B) of (C) by (D) off
10. After a prolonged treatment, the patient succumbed ___ his injuries.
(A) to (B) for (C) with (D) in

11. In Memory of which Sikh Guru is Reetha Sahib Gurudwara constructed?
A) Guru Nanak Dev B) Guru Gobind Singh C) Guru Angad Dev D) Guru Arjun Dev
12. At which of the following place, Takht-i-Akbari is situated?
A) Kalanaur B) Nakodar C) Sultanpur Lodhi D) Sirhind
13. Which is the most polluted city of Punjab?
A) Jalandhar B) Bhatinda C) Ludhiana D) Chandigarh
14. The Muslim leader who was given the keys of Golden Temple
A) M.A. Ansari B) S.M. Akhtar C) Maulana Abdul Kalam Azad D) Dr. Kitchlew
15. Which is the state tree of Punjab?
A) Kikar B) Mango C) Tahli (Shisham) D) Neem
16. Light emitted by sun reaches earth in
A) 1 sec B) 10 sec C) 13 sec D) 8 sec
17. Which among the following is the exclusive jurisdiction of the State Government?
A) Corporation Tax B) Custom Duty C) Sales Tax D) Income Tax
18. Extradition means:
A) forcing a foreign national to leave the country
B) forcing a citizen of the country to leave the country
C) delivering a foreign national for the trial of offences
D) blocking the trade of other countries with a particular country
19. Which is India's largest lake?
A) Nainital B) Sambhar C) Sishram D) Chilka
20. Name the Indian Women Weight-lifter who on January 10, 2013 Won Maiden National Title in National Weightlifting Championship 2013 –
A) Binitha Devi B) Amanpreet Kaur C) Manpreet Kaur D) Karnam Malleswari
21. Choose the odd one out.
A) Volume B) Size C) Large D) Shape
22. If 'eraser' is called 'box', 'box' is called 'pencil', 'pencil' is called 'sharpener' and 'sharpener' is called 'bag', what will a child write with?
A) Eraser B) Box C) Pencil D) Sharpener
23. B is the husband of P. Q is the only grandson of E, who is wife of D and mother-in-law of P. How is B related to D?
A) Nephew B) Cousin C) Son-in-law D) Son
24. Pointing to a girl in the photograph, Amar said, "Her mother's brother is the only son of my mother's father." How is the girl's mother related to Amar?
A) Mother B) Sister C) Aunt D) Grandmother
25. Seven people – A, B, C, D, E, F and G – are standing in a single file line, facing a booth. E is somewhere ahead of F. There is exactly one person standing between C and G. D is immediately behind A. F is behind both B and D. If D and C are fourth and fifth in line respectively, then which of the following must be true?
A) A is first B) B is first C) F is sixth D) F is seventh

26. N ranks fifth in a class. S is eighth from the last. If T is sixth after N and just in the middle of N and S, then how many students are there in the class?
A) 23 B) 24 C) 25 D) 26
27. I am facing South. I turn right and walk 20 m. Then I turn right again and walk 10 m. Then I turn left and walk 10 m and then turning right walk 20 m. Then I turn right again and walk 60 m. In which direction am I from the starting point?
A) North B) North-west C) East D) North-east
28. Read the trend of characters in the following matrix and find out the missing character.

8	17	33
12	5	29
10	13	?

- A) 9 B) 23 C) 33 D) 43
29. If the first and second digits in the sequence 5981327438 are interchanged, also the third and fourth digits, the fifth and sixth digits and so on, which digit would be the seventh counting to your left?
A) 1 B) 4 C) 7 D) 8
30. In the series 2, 6, 18, 54....., what will be the 8th term?
A) 4370 B) 4374 C) 7443 D) 7434
31. $\frac{20+8 \times 0.5}{20-?} = 12$
A) 2 B) 8 C) 18 D) None of these
32. The average of 100 numbers is 44. The average of these 100 numbers and four other new numbers is 50. The average of the four new numbers will be
A) 800 B) 200 C) 176 D) 24
33. X is 36 years old and Y is 16 years. In how many years will X be twice as old as Y?
A) 1 year B) 2 years C) 3 years D) 4 years
34. If a watch is sold at ₹ 60 there is a loss of 15%. For a profit of 2%, the watch is to be sold at
A) ₹ 70 B) ₹ 72 C) ₹ 75 D) ₹ 85
35. A can do a piece of work in 10 days and B can do it in 20 days. They start the work together. But, after 5 days, A leaves off. B will do the remaining work in
A) 5 days B) 6 days C) 8 days D) 10 days
36. A walks at a uniform rate of 4 km an hour and 4 hours after his start, B cycles after him at the uniform rate of 10 km an hour. How far from the starting point will B catch A?
A) 16.7 km B) 18.6 km C) 21.5 km D) 26.7 km
37. If the simple interest for 6 years be equal to 30% of the principal, it will be equal to the principal after
A) 10 years B) 20 years C) 22 years D) 30 years

38. A rectangular courtyard 3.78 m long and 5.25 m broad is to be paved exactly with square tiles, all of the same size. The minimum number of such tiles is:
A) 430 B) 440 C) 450 D) 460
39. The angle between the minute hand and the hour hand of a clock when the time is 8.30, is:
A) 80° B) 75° C) 60° D) 105°
40. The least perfect square number which is divisible by 3, 4, 5, 6 and 8, is:
A) 900 B) 1200 C) 2500 D) 3600
41. A teacher should not be
A) helpful B) pessimist C) impartial D) optimist
42. Blackboard can be included in which category of teaching aids
A) audio-aids B) visual aids C) audio-visual aids D) none of these
43. Effective teaching depends on
A) Physical built of a teacher B) physical appearance of a teacher
C) knowledge of a teacher D) behavior of a teacher
44. Function of the education system is
A) replacement of population B) socialization of new population
C) maintenance of a sense of purpose D) system maintenance
45. 'Every learner is unique', means that
A) a common curriculum for all learners is not possible
B) it is impossible to develop the potential of learners in a heterogeneous class
C) no two learners are alike in their abilities, interests and talents
D) learners do not have any common qualities nor they share common goals
46. Diagnosis of the gaps in the learning of students should be followed by
A) systematic revision of all lessons B) intensive drill and practice
C) reporting the findings to learners and parents D) appropriate remedial measures
47. Rewards and punishments is a form of
A) intrinsic motivation B) linguistic motivation
C) both A and B D) extrinsic motivation
48. The test which attempts to predict a person's future performance or capacity to learn is
A) Aptitude Test B) Attitude Test C) Creativity Test D) Achievement Test
49. After the lesson is taught, the teacher's lesson plan should be
A) thrown away B) annotated
C) filed for use by substitute teacher D) filed for use at the same time next year
50. Teaching and learning are related
A) with a deep bond B) fractional share C) in vague form D) indirectly to each other
51. The two kinds of main memory are
(a) ROM and RAM (b) primary and secondary
(c) Floppy disk and hard disk (d) None of the above

52. While working with MS-DOS, which command will you use to transfer a specific file from one disk to another
(a) diskcopy (b) rename (c) copy (d) none of the above
53. A web page has a unique address called
(a) WWW (b) URL (c) IP address (d) ISP
54. A program used to start the computer is
(a) CPU (b) compiler (c) system software (d) booting software
55. Memory capacity may be expressed in
(a) MHz (b) Microseconds (c) Megabytes (d) Cycles
56. An advantage of a folding operation is
(a) accuracy (b) repeatability
(c) range of material thickness capacity (d) range of bent angles possible
57. When a workpiece is sheared to shape and size in a die, it is called a
(a) workpiece (b) plug (c) blank (d) billet
58. Surface plate is used to check the trueness of
(a) Curved surfaces (b) round surface (c) flat surfaces (d) none of these
59. The operation of straightening a curved sheet metal is known as
(a) drawing (b) squeezing (c) coining (d) planishing
60. A hacksaw blade cuts on the
(a) return stroke (b) forward stroke
(c) both forward and return strokes (d) cutting depends upon the direction of force
61. Hacksaw blades are made by
(a) Mild steel (b) Cast iron (c) High carbon (d) Pig iron
62. The equivalent of 1" in metric is
(a) 25.4 mm (b) 2.54 mm (c) 25.04 mm (d) 24.5 mm
63. The size of the dividers are specified by the
(a) Distance between the points when fully opened (b) Total length of the legs
(c) Distance between the pivot and the point (d) Length of legs without the points
64. In a diesel engine, the fuel is ignited by
(a) heat resulting from compressing air that is supplied for combustion
(b) spark
(c) injected fuel
(d) ignitor
65. Supercharging is the process of
(a) providing forced cooling air
(b) supplying the intake of an engine with air at a density greater than the density of the surrounding atmosphere
(c) injecting excess fuel for raising more load
(d) supplying compressed air to remove combustion products fully

66. A four stroke petrol engine theoretically operates on
(a) Otto cycle (b) Brayton cycle (c) Joule cycle (d) All of the above
67. A slow speed diesel engine theoretically operates on the principle of
(a) heat addition at constant volume and heat rejection at constant volume
(b) heat addition at constant pressure and heat rejection at constant volume
(c) heat addition at constant pressure and heat rejection at constant pressure
(d) heat addition at constant volume and heat rejection at constant pressure
68. Which of the following process is not associated with diesel engine?
(a) constant volume (b) constant pressure (c) isothermal (d) adiabatic
69. For a practical petrol engine working on Otto cycle, the compression ratio usually lies in the range of
(a) 3-5 (b) 6-8 (c) 10-15 (d) 16-22
70. In a typical medium speed 4-stroke cycle diesel engine the inlet valve
(a) opens at 20° before top dead center and closes at 35° after the bottom dead center
(b) opens at top dead center and closes at bottom dead center
(c) opens at 10° after top dead center and closes 20° before the bottom dead center
(d) may open or close anywhere
71. The air-fuel ratio of the petrol engine is controlled by
(a) fuel pump (b) governor (c) injector (d) carburetor
72. Diesel fuel, compared to petrol is
(a) less difficult to ignite (b) just about the same difficult to ignite
(c) more difficult to ignite (d) highly ignitable
73. The material of engine piston is
(a) steel (b) aluminum (c) copper (d) all of the above
74. The theoretically correct air fuel ratio for petrol engine is of the order of
(a) 15 : 1 (b) 12 : 1 (c) 9 : 1 (d) 6 : 1
75. In diesel engine, diesel is supplied by
(a) carburetor (b) nozzle (c) both (a) and (b) (d) none of the above
76. In commercial vehicle layouts engine is located forward, rear or under floor mainly to
(a) Better utilization of space (b) Increase fuel economy
(c) Better weight distribution (d) Reduce the weight of chassis
77. In an engine, during suction stroke the pressure inside the cylinder is
(a) Equal to atmospheric pressure (b) Above atmospheric pressure
(c) Above or below atmospheric pressure (d) Below atmospheric pressure
78. The active material in a charged negative plate is
(a) Lead sulphate (b) Lead peroxide (c) Lead metal (d) Lead per chloride
79. The brake shoes are curved to conform to the inner diameter of the
(a) Brake drum (b) Tyre (c) Pedal (d) Wheel

80. The part the engine that causes water circulation between the radiator and engine is called
(a) Impeller (b) pump (c) Fan (d) all of the above
81. Gudgeon pins or piston pins are made by
(a) Piston material itself (b) Cork
(c) Cast iron (d) Hardened and ground steel
82. The float in the carburetor of a petrol engine controls
(a) Flow rate of air (b) Flow rate of fuel
(c) Flow rate of air-fuel mixture (d) Level of the petrol in the float chamber
83. The ignition coil in a automobile acts as a
(a) Rectifier (b) Switch (c) Step-up transformer (d) Dc to ac converter
84. What material is used for the insulating body of a spark plug?
(a) Silica (b) Dolomite (c) Alumina (d) Glass
85. The automobile chassis consists of the engine, frame, power train, wheels, steering and
(a) The doors (b) Luggage boot (c) Wind shield (d) Braking system
86. The purpose of the shock absorbers is to
(a) Strengthen frame (b) Damp spring oscillations
(c) Improve rigidity of spring mountings (d) none of the above
87. Leaf spring for vehicles are nipped to
(a) Ensure that all leaves are uniformly stressed during loading
(b) Improve the load carrying capacity of spring
(c) To increase the interleaf friction
(d) To vary the effective length of the spring
88. The power train includes the clutch, propeller shaft, differential and
(a) Chassis (b) Front axles (c) Transmission (d) Steering gear
89. In gear systems, speed reduction means torque
(a) Stabilization (b) Increase (c) Reduction (d) none of the above
90. Clutch noises are usually most noticeable when the engine is
(a) Accelerating (b) Decelerating (c) Being started (d) Idling
91. The sun gear in the planetary gear system meshes with the
(a) Planet pinions (b) Clutch gear (c) Ring gear (d) Pinion cage
92. In the high gear in the transmission, main shaft turns at the same speed as the
(a) Idler shaft (b) Counter shaft (c) Clutch shaft (d) none of the above
93. There are two separate movements of the gear shift lever for changing the gears. The second movement of the gear shift lever produces
(a) The correct gears to mesh (b) The movement of the drive gear
(c) Release of clutch (d) none of above
94. The conventional motor car has
(a) Two forward speeds (b) Three forward speeds
(c) Four forward speeds (d) six forward speeds

95. Parts of the clutch that should not be cleaned in solvent include the
(a) Friction disc and throw out bearing (b) Friction disc cover
(c) Throw out bearing and springs (d) Release levers and springs
96. The propeller shaft has one or more
(a) Spur gears (b) Universal joints (c) Elbow joints (d) Fluid couplings
97. To equalize tyre wear, it is suggested that tyres be rotated from one wheel to another every
(a) 80 Kms (b) 8000 Kms (c) 800 Kms (d) 20,000 Kms
98. The Ackermann steering layout
(a) Reduces load on the kingpins and stub axle (b) Gives minimum tyre wear
(c) Enables the driver to feel ahead position (d) Makes for safer driving
99. The colour of side and tail lamp circuit is
(a) red (b) blue (c) green (d) black
100. Misfires at high speed due to
(a) more gap in CB point (b) weak spring of CB point
(c) none of (a) & (b) (d) both (a) & (b)

StudySite.org

Answer- Key

Code-MMI-9(Motor Mechanic Instructor)

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