

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

Booklet Serial No. **100057**

Test Booklet Series

**DRIVERS**  
**OMR Examination - 2023**



**Time Allowed: 120 Minutes**

**Maximum Marks: 120**

**INSTRUCTIONS**

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
  2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number, Booklet Serial No. and Test Booklet Series Code A, B, C or D carefully and without any omission or discrepancy at the appropriate places in the OMR Answer /Response Sheet. Any omission/discrepancy will render the Response Sheet liable for rejection.
  3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside.  
**DO NOT write anything else** on the Test Booklet.
- |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
4. This Test booklet contains **120** items (questions). Each item comprises of four responses (answers). You will select the response which you want to mark on the Answer Sheet/Response Sheet. In case you feel that there is more than one correct response, mark the response which you consider the appropriate. In any case, choose **ONLY ONE** response for each item.
  5. You have to mark all your responses **ONLY** on the separate Answer /Response Sheet provided. See directions in the Response Sheet.
  6. **All** items carry equal marks.
  7. After you have completed filling in all your responses on the Response Sheet and the examination has concluded, you should hand over to the Invigilator **only the Answer /Response Sheet**. You are permitted to take away with you the Test Booklet and **Candidate's Copy of the Response Sheet**.
  8. Sheets for rough work are appended in the Test Booklet at the end.
  9. While writing Centre Code and Roll No. on the top of the Answer Sheet/Response Sheet in appropriate boxes use **"ONLY BLUE/BLACK BALL POINT PEN"**.
  10. **Penalty for wrong answers:**  
**THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY THE CANDIDATE IN THE WRITTEN TEST (OBJECTIVE TYPE QUESTIONS PAPERS).**
    - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, ( $\frac{1}{4}$ ) of the marks assigned to that question will be deducted as penalty.
    - (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above for that question.
    - (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

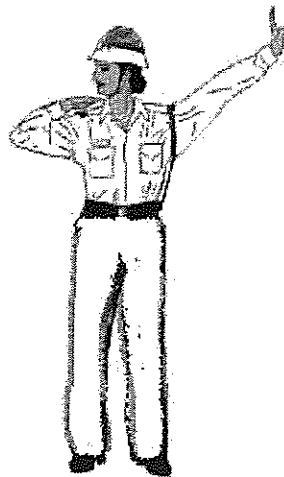
DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

(Set - A)

10003

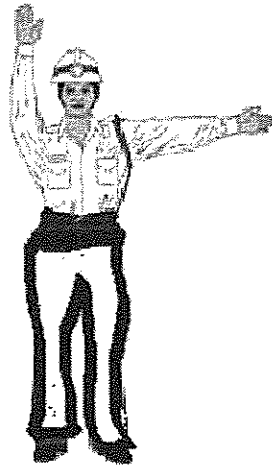
1. A person is authorized to drive a "transport" vehicle in any category of road at the minimum age of:
  - A) 15 years
  - B) 16 years
  - C) 18 years
  - D) 20 years
2. You are driving at a speed of 72 km/hr, how far distance will your vehicle can travel in 20 minutes?
  - A) 12 km
  - B) 20 km
  - C) 24 km
  - D) 1440 km
3. The areas on each side of the vehicle are not visible through the mirrors are known as
  - A) Front down spot
  - B) Back side spot
  - C) Blind spot
  - D) An invisible spot beyond head light
4. When a vehicle is parked on the road side after 11 pm
  - A) Driver should be in the driver's seat
  - B) Conductor and helper should be in the appropriate seats
  - C) Parking light shall remain blinking
  - D) All doors should be locked
5. Reduction of traffic speed can be effective in reducing
  - A) Travel cost
  - B) Number of crashes
  - C) Traffic density
  - D) Number of pedestrians
6. National Highway of 4 lane divided carriage way mean
  - A) Having two lanes for traffic in each direction
  - B) Having two lanes for traffic in one direction
  - C) Having four lanes for traffic in each direction
  - D) Having four lanes for traffic in one direction
7. As per Indian standard, motor vehicles used for carriage of goods and having a gross vehicle weight exceeding 12 tons is categorized under
  - A) Category N
  - B) Category N2
  - C) Category N3
  - D) Category N12

8. Maximum speed of "N" category goods carriage vehicles, on 4 lanes divided carriageway of National Highway roads in India
- A) 50 km/hr
  - B) 60 km/hr
  - C) 80 km/hr
  - D) 100 km/hr
9. Free passage should be given to the following types of vehicles
- A) Super-fast express buses
  - B) State transport buses
  - C) Police vehicles
  - D) Fire service and ambulance vehicles
10. What you do when any property of a third party is damaged due to an accident
- A) Driver shall report to the nearest police station within 24 hours
  - B) Driver shall report to the nearest police station within 7 days
  - C) Driver shall report to the vehicle owner
  - D) Driver shall report to the nearest RTO office
11. The following figure, showing a hand signal represents.



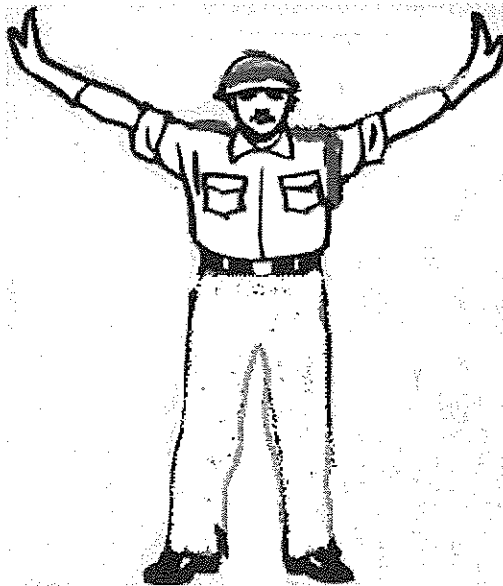
- A) Stopping traffic approaching from the left and to allow traffic coming from right and turning right
- B) Stopping traffic approaching from the right and to allow traffic coming from right and turning left
- C) Stop traffic approaching simultaneously from front and behind
- D) Stop traffic approaching from front

12. The following figure, showing a hand signal represents.



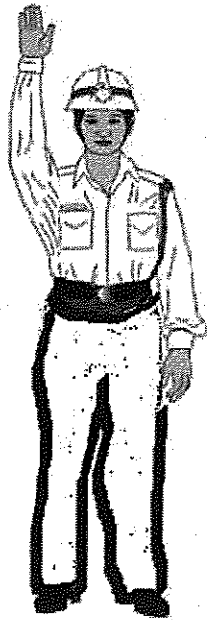
- A) Stopping traffic approaching from the right and to allow traffic coming from right and turning left
- B) Stop traffic approaching from front
- C) Stop traffic approaching simultaneously from front and behind
- D) Warning signal approaching all traffic

13. The following figure, showing a hand signal represents.

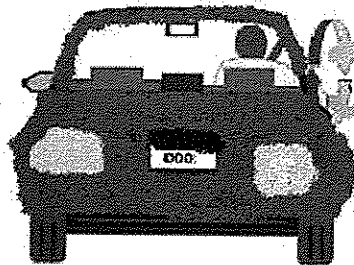


- A) Stopping traffic approaching from the right and to allow traffic coming from right and turning left
- B) Stop traffic approaching from front
- C) Stop traffic approaching simultaneously from front and behind
- D) Stop traffic approaching simultaneously from right and left

14. The following figure, showing a hand signal represents.

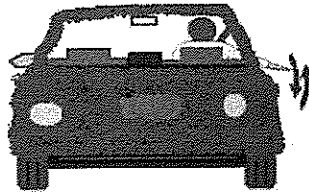


- A) Stopping traffic approaching from the right and to allow traffic coming from right and turning left
  - B) Stop traffic approaching from front
  - C) Stop traffic approaching simultaneously from front and behind
  - D) Warning signal approaching all traffic
15. In the following figure, driver extending his/her right arm and rotate it in an anti-clockwise direction. The signal represents



- A) Intended to turn left or changing lane to the left hand side
- B) Intended to turn right or changing lane to the right hand side
- C) Indicating breakdown of vehicle
- D) Intended to stop his vehicle

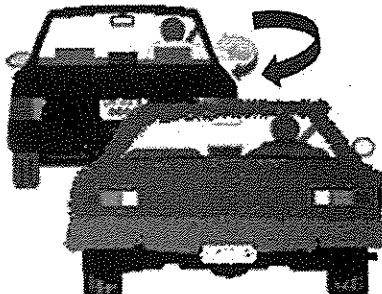
16. In the following figure, driver extending his/her right arm in downward direction and keep moving up and down direction. The signal represents



- A) Intended to turn left or changing lane to the left hand side
  - B) Intended to turn right or changing lane to the right hand side
  - C) Intended to slow down his vehicle
  - D) Indicating breakdown of vehicle
17. In the following figure, driver extend his right arm vertically outside the vehicle. The signal represents



- A) Intended to turn left or changing lane to the left hand side
  - B) Intended to turn right or changing lane to the right hand side
  - C) Indicating breakdown of vehicle
  - D) Intended to stop his vehicle
18. In the following figure, front driver moving his hand in a forward circular motion. The signal represents



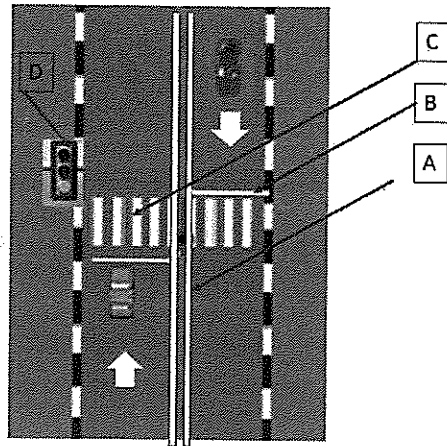
- A) To overtake the following car
- B) To turn left to right
- C) To turn right to left
- D) To emergency help

(Set - A)

(7)

[P.T.O.]

19. Based on the following figure, match the list-1 with list-2 and select the appropriate answer using the combinations given below,



List -1 (Description)		List -2 (Purpose or functions)	
a	Double continuous yellow line	1	Control the traffic flow, minimize accident possibility and keep pedestrians and vehicles safe
b	Single solid transverse line at the intersection	2	When the signal is red vehicles must stop and give way to pedestrians at these crossings
c	Alternate black and white stripes painted parallel to the road at the intersection	3	When the signal is red stop the vehicle before this line
d	Traffic signal	4	Divide the road into two and act as median, U-turn is prohibited

Correct combination:

- |    |   |   |   |   |
|----|---|---|---|---|
|    | a | b | c | d |
| A) | 1 | 2 | 4 | 3 |
| B) | 3 | 1 | 4 | 2 |
| C) | 4 | 3 | 2 | 1 |
| D) | 1 | 2 | 3 | 4 |
20. Approaching an intersection where the yellow signal light is blinking, you should
- A) Stop and wait the vehicle till green light to appear
  - B) Proceed the vehicle at the same speed
  - C) Proceed the vehicle by accelerating speed
  - D) Slow down the vehicle and proceed only after ensuring that it is safe to cross



**21.** The location of Jammu and Kashmir with respect to Bihar in India is

- A) West and East
- B) North-West
- C) South-West
- D) North-East

**22.** Among

- (i) Distance
- (ii) Direction and
- (iii) Symbol

which are the components of the map:

- A) Only (i)
- B) Only (ii)
- C) Only (i) and (iii)
- D) (i) (ii) and (iii)

**23.** Among

- (i) GPS
- (ii) Compass
- (iii) Map
- (iv) Traffic signal

which is not used for navigation purpose:

- A) Only (i)
- B) Only (ii) and (iii)
- C) Only (iv)
- D) (i), (ii), (iii) and (iv)

**24.** On a city road map, it was mentioned “scale 1 cm = 100 meter”. If the distance between two locations on the map is 15 cm, then actual distance between the two locations is

- A) 1 km
- B) 1.5 km
- C) 100 km
- D) 150 km

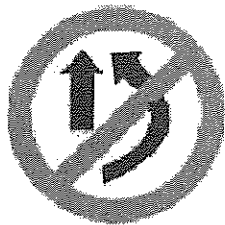
25. Your residence is located at (R) and office is at (O). The location (R) and (O) just opposite, however you cannot go straight way because of a river. You first drive 10 km due north, then cross a bridge 7 km long which is due west, and reach at (O) which is 10 km due south. Consider all the turning is 90°. With respect to office (O) your residence (R) is
- A) 7 km due west  
 B) 7 km due east  
 C) 10 km due south  
 D) 10 km due west
26. Match the list-1 with list-2 and select the correct pairs using the options given below,

List -1 (Property of Mandatory /Regulatory signs)	List -2 (Description of indication)
a Red circular ring	1 Circular with white symbol on a blue background
b Diagonal red bar	2 Mandatory or regulatory signs
c Circular in shape	3 Prohibits the action or movement indicated by the black symbol
d Indicate positive instruction or what driver must do	4 Indicates prohibitory regulation

Correct combination:

- |    |   |   |   |   |
|----|---|---|---|---|
|    | a | b | c | d |
| A) | 1 | 2 | 4 | 3 |
| B) | 3 | 1 | 4 | 2 |
| C) | 4 | 3 | 2 | 1 |
| D) | 2 | 1 | 4 | 3 |

27. The following sign in a work zone represents



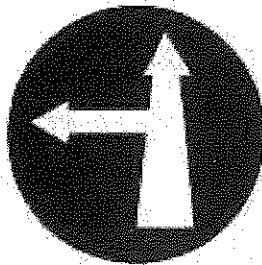
- A) No entry zone  
 B) Left turn is prohibited  
 C) Right turn is prohibited  
 D) Over taking is prohibited

28. What does the following symbol mean?



- A) Pedestrian crossing
- B) School ahead
- C) Built-up area
- D) Men at work

29. What does the following symbol mean?



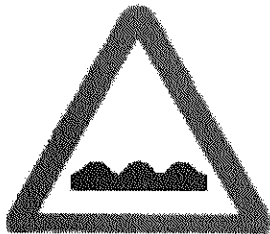
- A) Left turn is prohibited
- B) Compulsory ahead or left turn
- C) Right turn is prohibited
- D) Over taking is prohibited

30. The following sign on a road represents



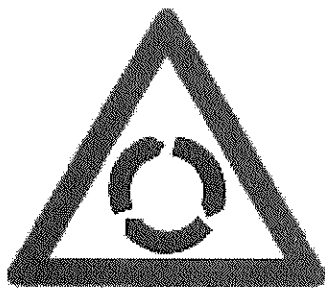
- A) Minimum speed limit
- B) Maximum speed limit
- C) Load limits
- D) Maximum parking time

31. What does the following symbol mean?



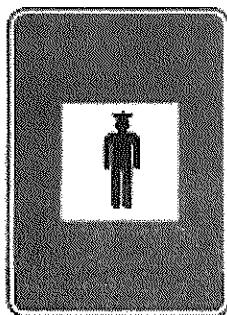
- A) Rumble strip
- B) Speed breaker
- C) Rough road
- D) Slippery road

32. The following sign in a road represents



- A) Cross road
- B) Roundabout
- C) 270-degree loop
- D) Deaf persons likely on road ahead

33. The following facility information sign in a road represents

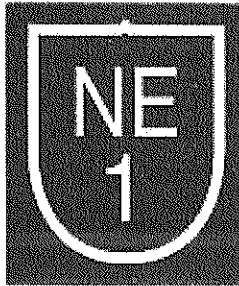


- A) Toilet
- B) Hospital
- C) Police station
- D) Pedestrian subway

(Set - A)

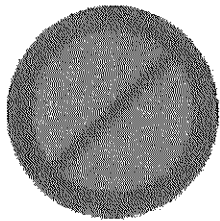
(12)

34. The following route markers in a road represents



- A) National highway route marker sign
- B) State highway route marker sign
- C) Asian highway route marker sign
- D) Expressway route marker sign

35. The following sign in a road represents



- A) No entry
- B) No standing
- C) No stopping and no standing
- D) Junction

36. Match the list-1 with list-2 and select the correct pairs using the options given below,

**List -1**

(Indication of casualty)

- a Conscious and breathing normally 1
- b Unconscious, and breathing normally 2
- c Unconscious and not breathing 3
- d Wings of insects get lodged under 4

or not breathing normally

the eyelids

**List -2**

(Procedure of first aid)

- 1 Put the casualty in recovery position
- 2 Provide appropriate first aid
- 3 Rinse immediately with plenty of water
- 4 Start cardio pulmonary resuscitation (CPR)

Correct combination:

- |    | a | b | c | d |
|----|---|---|---|---|
| A) | 1 | 2 | 3 | 4 |
| B) | 2 | 1 | 4 | 3 |
| C) | 3 | 2 | 4 | 1 |
| D) | 2 | 1 | 3 | 4 |

37. Arrange the First Aid sequence in a correct manner
- i) Help to restore breathing
  - ii) Lay the victim on ground gently and clear breathing track
  - iii) Stop any bleeding
  - iv) Call ambulance for medical help

The correct sequence is

- A) (i), (ii), (iii), (iv)
  - B) (ii), (i), (iii), (iv)
  - C) (iv), (iii), (ii), (i)
  - D) (iii), (ii), (i), (iv)
38. Normal resting heart rate or pulse rate ranges for adults is
- A) Between 40 to 70 bpm
  - B) Between 60 to 100 bpm
  - C) Between 150 to 200 bpm
  - D) More than 175 bpm
39. Dry bandage is mainly used
- A) To apply pressure on bone
  - B) To prevent wound
  - C) To control blood flow
  - D) To make germ free
40. The primary indication of an injured person, who has decreased consciousness is
- A) Having high fever
  - B) Dilation of pupils
  - C) Falling asleep
  - D) Abdominal pain
41. Peripheral vision of a driver helps to detect
- A) Colour, shape and texture on the road surface
  - B) Stationary object on the road surface
  - C) Movement of the object on the road surface
  - D) Legends on the traffic sign
42. "Acute vision" of a driver helps to detect
- A) Colour, shape and texture on the road surface
  - B) Stationary object on the road surface
  - C) Movement of the object on the road surface
  - D) Legends on the traffic sign

43. If your vehicle has broken down at night, what clothing should be worn for more visible by traffic?
- A) Dark coloured cloth
  - B) Bright fluorescent clothes
  - C) Black colour clothes
  - D) Loose cotton clothes
44. How does the alcohol effect perception-reaction time while driving?
- A) Increases with blood alcohol content
  - B) Decreases with blood alcohol content
  - C) Inversely proportional with blood alcohol content
  - D) Inversely proportional with square of blood alcohol content
45. Smoking while driving is
- A) Helps to maintain driver alertness
  - B) Increases driver ability
  - C) Destructing activity and punishable offence
  - D) Unhealthy but not punishable offence
46. Which safety device should be used while driving a four-wheeler?
- A) Helmet
  - B) Seatbelt
  - C) Heavy jacket
  - D) Protected
47. Which of the following test is commonly used to measure alcohol limit of a driver?
- A) LIDAR gun
  - B) Alcohol meter
  - C) Breath analyser
  - D) PCR test

48. As per central motor vehicle act 1988, section 185, "drunk and driving" punishment is applicable when
- A) Alcohol in blood is more than 20 g/ ml
  - B) Alcohol in blood is more than 30 g/ ml
  - C) Alcohol in blood is more than 30 mg/100 ml
  - D) Alcohol in blood is more than 50 mg/100 ml
49. As per central motor vehicle act 1988 'smoking while driving public service vehicles' can,
- A) Attract disqualify driving license
  - B) Attract fine only
  - C) Not applicable for commercial vehicle
  - D) Applicable for day time only
50. Driving a four wheeler in wet road is difficult due to
- A) Decrease the friction between tyre and road surface
  - B) Increase the friction between tyre and road surface
  - C) Difficult to deaccelerate the speed of the vehicle
  - D) Turning is difficult due to higher friction
51. The most preferable driving technique with wet roads is
- A) Drive as quickly as possible
  - B) Change down gear and reduce speed
  - C) Change up gear
  - D) Frequently apply break but proceed in the same speed

52. Consider the following statements, choose the correct combination:

**Statement-1:** In case of skidding, distance travel along the road is more than the movement of wheel circumference.

**Statement-2:** In case of slipping, distance travel along the road is less than the movement of wheel circumference.

The correct combination is

- A) Both statement (1) and statement (2) are individually true.
- B) Statement (1) is true but statement (2) is false
- C) Statement (1) is false but statement (2) is true
- D) Both the statement-1 and Statement -2 are individually false



53. Sudden application of break in wet road and improper super elevation may cause of
- A) Slipping
  - B) Skidding
  - C) Declining
  - D) Descending
54. When driving at night in rainy conditions, high beams is
- A) Bad as increases glare and limit driver vision
  - B) Good as reduce glare
  - C) Good as driver can see more of the road ahead
  - D) Good practice as it works as an indication of approaching vehicle
55. Yellow colour light is most preferred than white colour, as a fog light because
- A) Yellow light is most scattered by fog
  - B) Yellow light has shorter wavelength than white colour light
  - C) Yellow light has larger wavelength than white colour light and is conspicuous
  - D) Yellow light has longest wavelength among all colour including red
56. Arrange the following coloured lights in shortest to longest wavelength
- (i) Green
  - (ii) Yellow
  - (iii) Orange
  - (iv) Red

Correct sequence of shortest to longest wavelength is

- A) (i) (ii) (iii) (iv)
  - B) (ii) (iv) (i) (iii)
  - C) (iv) (iii) (ii) (i)
  - D) (iv) (i) (ii) (iii)
57. On a foggy day, two bus drivers spot each other. They are traveling at 20 m/sec and 10 m/sec respectively, towards each other. Both of them apply brakes, which deaccelerate both the buses at a rate of  $5 \text{ m/s}^2$ . How far apart will they be, when they have come to stop.
- A) 30 meter
  - B) 50 meter
  - C) 100 meter
  - D) 200 meter

58. A high beam in foggy conditions is
- A) Bad because it reflects back and can dazzle
  - B) Good because you can see more
  - C) Good because make sure others can see you
  - D) Good because driver can see more of the road ahead
59. When you are driving at night, and approaching another vehicle from behind, must
- A) Flash your head light two times as a warning
  - B) Use low beam or dim your headlights
  - C) Turn off headlights and turn on your parking light
  - D) Proceed keeping to the left
60. When you are driving at night and wants to overtake a car in the front, you must
- A) Flash your headlamps before overtaking
  - B) Ensure your rear fog lights are turn on
  - C) Use your high beam light
  - D) Make sure others can see you
61. Arrange the following steps in a correct sequence, when a motor vehicle breaks down at night
- (i) Apply brakes
  - (ii) Slow down the vehicle
  - (iii) Turn on hazardous warning light
  - (iv) Get out from the vehicle
- Correct sequence is
- A) (i) (ii) (iii) (iv)
  - B) (ii) (i) (iii) (iv)
  - C) (iii) (i) (ii) (iv)
  - D) (iv) (ii) (iii) (i)
62. To see a vehicle in the blind spots, driver should
- A) Look in the inside rear-view mirror
  - B) Look in the outside rear-view mirror
  - C) Turn his/her head
  - D) Look at oncoming light

63. Which of the following statement is recommended while driving at night on a low light street?
- A) Drive slowly and use head light
  - B) Briefly look at opposite vehicle
  - C) Drive as quickly as possible to cross the street
  - D) Keep use fog light bright to become more visible by other driver
64. During night driving which type of pavement has more visibility?
- A) Black top pavement
  - B) Bituminous pavement
  - C) Concrete pavement
  - D) Mastic asphalt pavement
65. Single side road lighting is most effective for
- A) Three lane road
  - B) Four lane road
  - C) Four lane divided highway
  - D) Single lane road
66. Which of following factor has no influence on night visibility
- (i) Size of the object
  - (ii) Brightness of the object
  - (iii) Brightness of the background
  - (iv) Reflecting characteristic of carriageway

Correct answer is

- A) Only (i)
  - B) (ii) (iii) (iv)
  - C) (ii) and (iv)
  - D) None of the above
67. The portion of the road way used by the vehicle is called
- A) Shoulder
  - B) Formation width
  - C) Carriageway
  - D) Camber

68. The objective of inward transverse inclination or super elevation at horizontal curve of a road is
- A) To reduce the effect of breaking force
  - B) To reduce the effect of aerodynamic force
  - C) To reduce the friction
  - D) To counteract the effect of centrifugal force
69. Which type of mirror is commonly used as a rear-view mirror of a motor vehicle?
- A) Concave mirror
  - B) Convex mirror
  - C) Plane mirror
  - D) Converging mirror
70. What is the purpose of rear-view mirror of a motor vehicle?
- A) Watching the position of back seat passenger
  - B) Help to communicate with back seat passenger
  - C) Watching traffic that is approaching from behind
  - D) Watching traffic that is approaching from front
71. As per Central Motor Vehicles Rules 1989 colour of the number plate of electric private vehicle (EV) shall be exhibit in
- A) Green background with number paints in black colour
  - B) Green background with number paints in yellow colour
  - C) Green background with number paints in red colour
  - D) Green background with number paints in white colour
72. Among the following options, what are the causes of brake failure?
- (i) Low level of brake fluid
  - (ii) Worn brake pad
  - (iii) Improper maintenance

Correct option:

- A) Only (i) and (iii)
- B) Only (iii)
- C) All of the above
- D) None of the above

73. What is the fundamental principle on which breaking system work?
- A) Dragging
  - B) Friction
  - C) Vibration
  - D) Suction
74. What does abbreviation "ABS." of a motor vehicle mean?
- A) Approaching blind spot system
  - B) Anti-lock braking system
  - C) Automatic breaking system
  - D) Actual breaking system
75. "ABS" system prevents motor vehicle from
- A) Tyre burst
  - B) Gear failure
  - C) Skidding
  - D) Sleeping
76. Maximum allowable distance between the rear of the towing vehicle and the front of the towed vehicle is
- A) 2.5 meters
  - B) 5 meters
  - C) 10 meters
  - D) 12 meters
77. As per central motor vehicle rules, 1989, the visual transmission of light in rear window and windscreen should not be less than
- A) 40%
  - B) 55%
  - C) 70%
  - D) 100%
78. As per central motor vehicle rules, 1989, in case vehicle is not carrying dignitaries, red or blue light
- A) May be used considering traffic density
  - B) Not be used and be covered by black cover
  - C) Not be used but need not necessary to cover
  - D) May be used at traffic junction

79. A vehicle number plate reads as "DL01AB4567", the number "01" stands for
- A) International registration code for India
  - B) RTO code in which the vehicle is registered
  - C) State or union territory in which the vehicle is registered
  - D) High security code for India
80. In case of a road accident, to call an ambulance, what number has to be dialled
- A) 100
  - B) 101
  - C) 108
  - D) 111
81. As per central motor vehicle act 1988, if you drive while drunk, you can face an imprisonment for a term of upto
- A) Three months
  - B) Six months
  - C) Nine months
  - D) One year
82. What does central motor vehicle act 1988, section 129 specify
- A) Do not smoke while driving
  - B) RC must be carried while driving
  - C) Seat belt must be worn
  - D) Helmet should be worn
83. RTO Form No 2 is applicable for
- A) Application for learner's licence
  - B) Application of no objection certificate
  - C) Application of duplicate RC certificate
  - D) Application of accident claim
84. Which section of the Motor vehicle act 1988 deals with the grant of driving licence?
- A) Section 2 of Motor vehicle act 1988
  - B) Section 9 of Motor vehicle act 1988
  - C) Section 14 of Motor vehicle act 1988
  - D) Section 20 of Motor vehicle act 1988

**85.** Among the following options, which are man-made sources of air pollution?

- (i) Burning of fire wood
- (ii) Forest fire
- (iii) Automobile
- (iv) Earth quakes

Correct option is:

- A) (i) and (iii)
- B) (ii) and (iii)
- C) (ii) and (iv)
- D) (iii) and (iv)

**86.** Among following pollutants which is not released by the motor vehicle

- A) Suspended particulate matter (SPM)
- B) Sulphur dioxide ( $\text{SO}_2$ )
- C) Phosphorus trioxide ( $\text{P}_4\text{O}_6$ )
- D) Oxides of nitrogen ( $\text{NO}_x$ )

**87.** Which of the following values of pH represents stronger acid?

- A) 2
- B) 6
- C) 8
- D) 12

**88.** Incomplete combustion of motor vehicle fuel, like petrol or diesel produce

- A) Nitrogen oxide
- B) Carbon monoxide
- C) Carbon dioxide
- D) Sulphur dioxide

**89.** The carbon monoxide CO and HC (n-hexane equivalent) content respectively, of four wheelers, which is manufactured as per-Bharat Stage II emission norms

- A) 1 % and 1000 ppm
- B) 3 % and 1500 ppm
- C) 5 % and 2000 ppm
- D) 11 % and 1100 ppm

90. Maximum permissible noise level recommended as per central motor vehicle rules 1989, for passenger or commercial vehicles with gross vehicle weight above 12000 kgs, is
- A) 89db (A)
  - B) 95db (A)
  - C) 100db (A)
  - D) 105 db (A)

91. Match the list-1 with list-2 and select the correct pairs using the options given below,

**List -1**

- a. Idling at red traffic signal
- b. Cycling or walking
- c. Electric vehicle
- d. High vehicle density

**List -2**

- 1 Turning off vehicle's engine
- 2 Increasing vehicular pollution in urban India
- 3 Do reduce level of air pollution as compared with petrol vehicle
- 4 Sustainable mode of transportation

Correct combination:

- |    | a | b | c | d |
|----|---|---|---|---|
| A) | 1 | 2 | 4 | 3 |
| B) | 1 | 4 | 3 | 2 |
| C) | 2 | 1 | 3 | 4 |
| D) | 3 | 2 | 4 | 1 |

92. What does abbreviation "R..C." of a vehicle mean?

- A) Road certificate
- B) RTO certificate
- C) Registration certificate
- D) Running certificate

93. As per Indian motor vehicle act, the number of passengers permitted to be carried in a personal vehicle, is recorded in

- A) Registration certificate
- B) Insurance certificate
- C) Tax token certificate
- D) Permit certificate



94. Who is the competent authority to issue driving licence in India?

- A) District court
- B) Office of the police superintendent
- C) Sub-divisional officer
- D) District or regional transport office

95. Consider the following statements, choose the correct combination:

**Statement-1:** As per Indian motor vehicle act 1988, a comprehensive motor insurance policy is mandatory

**Statement-2:** Third-party liability insurance is optional for Indian vehicle

The correct combination is

- A) Statement (1) is true but statement (2) is false
- B) Statement (1) is false but statement (2) is true
- C) Both statement-1 and Statement -2 are individually false
- D) Both statement (1) and statement (2) are individually true

96. Consider the following statements related with motor insurance, choose the correct option:

**Statement-1:** The motor insurance does not provide compensations if driver don't have driving licence

**Statement-2:** Third-party motor insurance cover third person who has been injured in an accident involving owner and his/her car

The correct option is

- A) Statement (1) is true but statement (2) is false
- B) Statement (1) is false but statement (2) is true
- C) Both statement-1 and Statement -2 are individually false
- D) Both statement (1) and statement (2) are individually true

97. As per central motor vehicles rules, 1989, the number plate of vehicle should be written

- A) In English with local language
- B) In Hindi with local language
- C) In English with Arabic numerals
- D) In English with Times Roman numerals

98. If 1000 kg vehicle is moving at 10 m/s, it has a kinetic energy of
- A) 10,000 Joule
  - B) 25,000 Joule
  - C) 50,000 Joule
  - D) 75,000 Joule
99. When break is applied, the kinetic energy of the motor vehicle is converted into
- A) Potential energy
  - B) Thermal energy
  - C) Chemical energy
  - D) Electrical energy
100. In which of the following year was the first automobile built?
- A) 1730
  - B) 1750
  - C) 1769
  - D) 1890
101. Which among the following is a classification of automobiles based on "load"?
- A) Four-wheel drive vehicle
  - B) Hatchback car
  - C) SUV
  - D) Heavy transport vehicle
102. Which among the following component, is used in transmission system of a motor vehicle?
- A) Shock absorber
  - B) Braking system
  - C) Accelerator
  - D) Differential gears

**103.** What is generally the reason of engine misfiring?

- A) No petrol
- B) Faulty spark plug
- C) Faulty clutch pad
- D) Faulty NGV tank valve

**104.** Among the following options, suitable reason for engine over heating is

- (i) Excessive valve clearance
- (ii) Insufficient coolant
- (iii) Faulty radiator fan
- (iv) Faulty water pump

the correct answer is

- A) Only (i)
- B) (i) and (ii)
- C) (ii) (iii) and (iv)
- D) All of the above

**105.** V-belts is most suitable when the distance between drive and the driven pulley is

- A) Short
- B) Long
- C) Long and  $359^\circ$  angle
- D) Too long and angular

**106.** "V-belts" get their name because of

- A) Power transmission direction
- B) Trapezoidal shape
- C) Very good quality belt
- D) None of the above

**107.** What are the type of ignition system used in petrol engine?

- A) Compression ignition
- B) Spark ignition
- C) EV ignition
- D) Hybrid ignition

- 108.** The ignition quality or combustion speed of diesel fuel is indicated by
- A) Reynolds number
  - B) Avogadro number
  - C) Fire point number
  - D) Cetane number
- 109.** Among the following instrument, which instrument you use to measure specific gravity or relative density of petrol
- A) Barometer
  - B) Calorimeter
  - C) Hydrometer
  - D) Venturimeter
- 110.** The most important characteristic of a lubricating oil is its
- A) Physical stability
  - B) Thermal stability
  - C) Pour point
  - D) Viscosity
- 111.** Flooding in the carburetor of a motor vehicle is controlled by
- A) Toggle lever
  - B) Toggle pin
  - C) Toggle switch
  - D) Float
- 112.** When the engine is being cold, which of the following valves is used, to start the engine manually?
- A) Auxiliary air valve
  - B) Choke valve
  - C) Jet valve
  - D) Compensating jet valve
- 113.** What is the purpose of radiator of a motor vehicle engine?
- A) Maintain temperature and prevent from over heating
  - B) Maintain pressure and prevent from over pressure
  - C) Maintain fuel flow and prevent from excess flow
  - D) Maintain torque and prevent from excess torque

**114.** Among the following options, what are the basic characteristics or properties of the brake fluid?

- (i) Low viscosity
- (ii) High viscosity
- (iii) High boiling point
- (iv) Low boiling point

The correct option is

- A) (i) and (ii)
- B) (i) and (iii)
- C) (ii) and (iii)
- D) Only (iv)

**115.** “Wheel base” of a motor vehicle is the distance between the

- A) Centers of the two rear tyres
- B) Centers of the two front tyres
- C) Centers of the front and the rear wheels
- D) Centers of the two axle

**116.** Among the following options, which type of air cleaner or filter is most effective in diesel engines vehicle?

- A) Dry type
- B) Oil bath type
- C) Acid bath type
- D) Whirl type

**117.** Among the following options, which is the best water used in a car radiator?

- A) Hard water
- B) Soft water
- C) Acidic water
- D) Alkaline water

- 118.** Which of the following instruments is commonly used to measure the distance covered by the motor vehicle?
- A) Thermometer
  - B) Barometer
  - C) Odometer
  - D) Speedometer
- 119.** Among the following options, what “BS IV” engine and “BS VI” engines signify
- A) Emission control standard norms of India
  - B) Air quality index norms of India
  - C) Fuel quantity norms of India
  - D) Efficiency level of the IC engine norms of India
- 120.** Among the following options, which one is used to supply power to starter motor in the diesel engine?
- A) Generator
  - B) Battery
  - C) Dynamo
  - D) Alternator
-

# ROUGH WORK

REAL WORK

2000

AL

(Set - A)

AL

2)