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JKSSB Drivers

Previous Year Paper
24 Dec, 2023



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

Booklet Serial No. **100057**

Test Booklet Series

DRIVERS
OMR Examination - 2023

A

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.

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(Set - A)

10003

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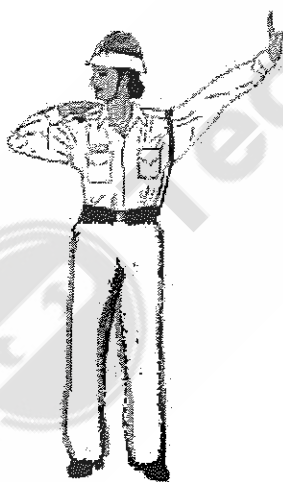
1. A person is authorized to drive a "transport" vehicle in any category of road at the minimum age of:
A) 15 years
B) 16 years
C) 18 years
D) 20 years
2. You are driving at a speed of 72 km/hr, how far distance will your vehicle can travel in 20 minutes?
A) 12 km
B) 20 km
C) 24 km
D) 1440 km
3. The 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

(Set - A)

(3)

[P.T.O.]

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.

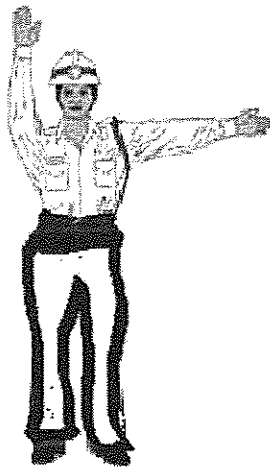


- A) Stopping traffic approaching from the left and to allow traffic coming from right and turning right
- B) Stopping traffic approaching from the right and to allow traffic coming from right and turning left
- C) Stop traffic approaching simultaneously from front and behind
- D) Stop traffic approaching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

(Set - A)

(4)

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

(Set - A)

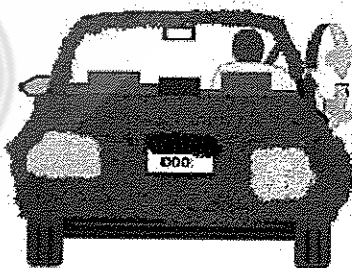
(5)

[P.T.O.]

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

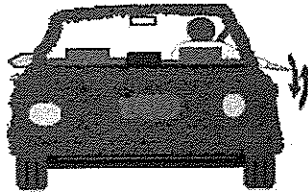


- A) Intended to turn left or changing lane to the left hand side
- B) Intended to turn right or changing lane to the right hand side
- C) Indicating breakdown of vehicle
- D) Intended to stop his vehicle

(Set - A)

(6)

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



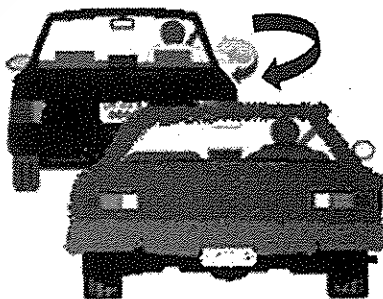
- A) Intended to turn left or changing lane to the left hand side
- B) Intended to turn right or changing lane to the right hand side
- C) Intended to slow down his vehicle
- D) Indicating breakdown of vehicle

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



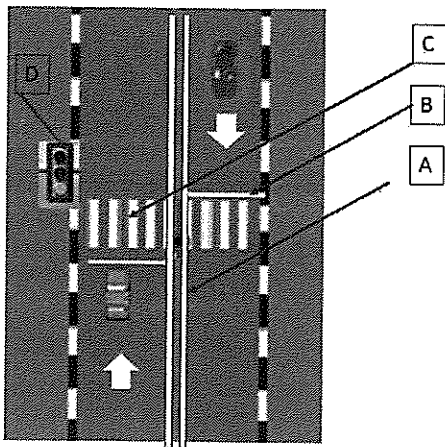
- A) To overtake the following car
- B) To turn left to right
- C) To turn right to left
- D) To emergency help

(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

(Set - A)

(9)

[P.T.O.]

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,

| <p>List -1 (Property of Mandatory /Regulatory signs)</p> | <p>List -2 (Description of indication)</p> |
|---|--|
| 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



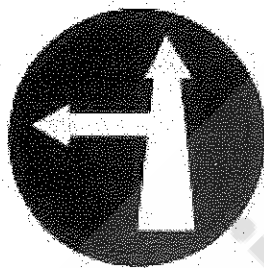
- A) No entry zone
- B) Left turn is prohibited
- C) Right turn is prohibited
- D) Over taking is prohibited

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



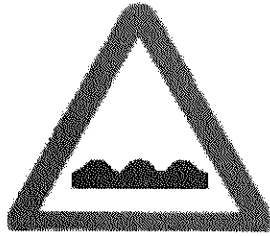
- A) Minimum speed limit
- B) Maximum speed limit
- C) Load limits
- D) Maximum parking time

(Set - A)

(11)

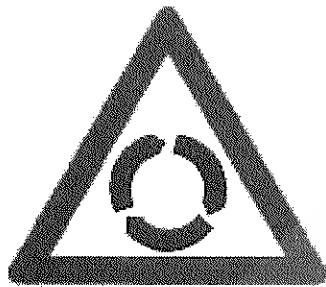
[P.T.O.]

31. What does the following symbol mean?



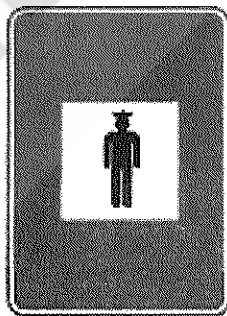
- A) Rumble strip
- B) Speed breaker
- C) Rough road
- D) Slippery road

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

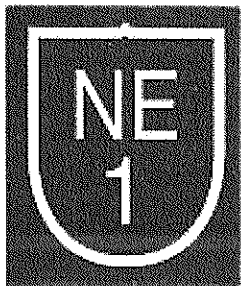


- A) Toilet
- B) Hospital
- C) Police station
- D) Pedestrian subway

(Set - A)

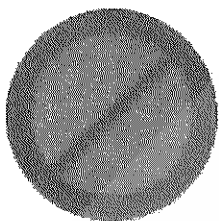
(12)

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 or not breathing normally | 3 |
| d | Wings of insects get lodged under the eyelids | 4 |

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 |

(Set - A)

(13)

[P.T.O.]

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

(Set - A)

(14)

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

(Set - A)

(15)

[P.T.O.]

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

(Set - A)

(16)

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 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

(Set - A)

(20)

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

(Set - A)

(22)

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 (SO_2)
- C) Phosphorus trioxide (P_4O_6)
- D) Oxides of nitrogen (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

(Set - A)

(23)

P.T.O.

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

(Set - A)

(24)

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

(Set - A)

(25)

[P.T.O.]

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° 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

(Set - A)

(27)

[P.T.O.]

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

(Set - A)

(28)

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

(Set - A)

(29)

[P.T.O.]

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
-

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(Set - A)

2)