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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, **(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)



Page 000001



(Set - A)

(2)



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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

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

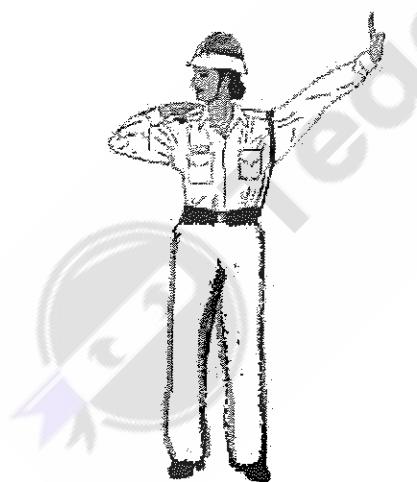
9. Free passage should be given to the following types of vehicles

- 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

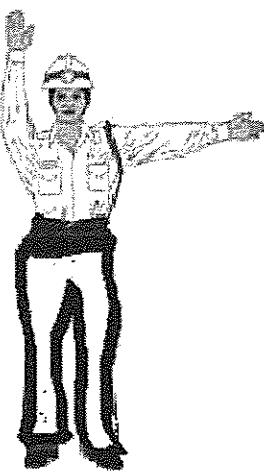
- A) Driver shall report to the nearest police station within 24 hours
- B) Driver shall report to the nearest police station within 7 days
- C) Driver shall report to the vehicle owner
- D) Driver shall report to the nearest RTO office

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



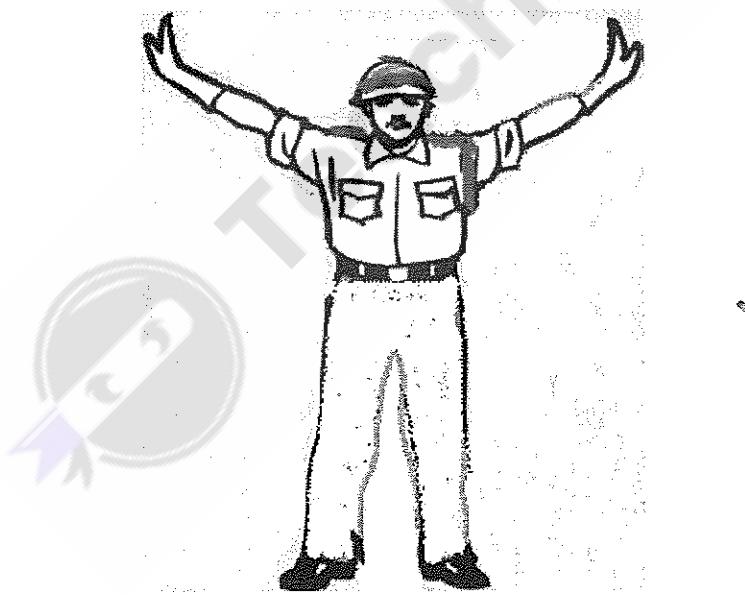
- A) Stopping traffic approaching from the left and to allow traffic coming from right and turning right
- B) Stopping traffic approaching from the right and to allow traffic coming from right and turning left
- C) Stop traffic approaching simultaneously from front and behind
- D) Stop traffic approaching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



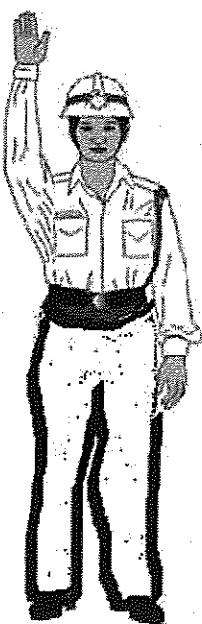
- A) Stopping traffic approaching from the right and to allow traffic coming from right and turning left
- B) Stop traffic approaching from front
- C) Stop traffic approaching simultaneously from front and behind
- D) Stop traffic approaching simultaneously from right and left

(Set - A)

(5)

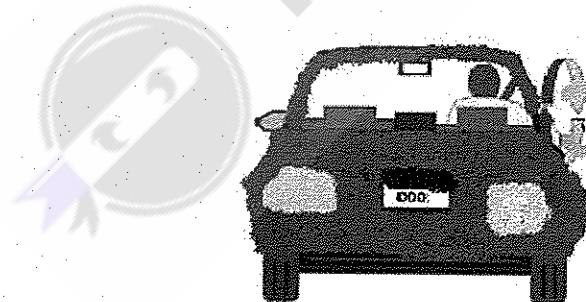
[P.T.O.]

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



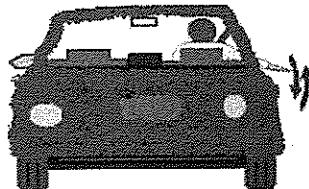
- A) Stopping traffic approaching from the right and to allow traffic coming from right and turning left
- B) Stop traffic approaching from front
- C) Stop traffic approaching simultaneously from front and behind
- D) Warning signal approaching all traffic

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

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



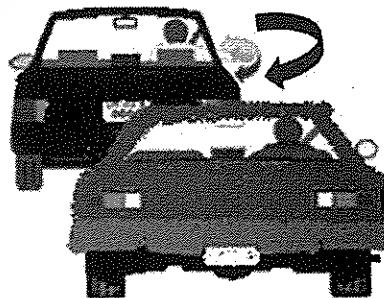
- A) Intended to turn left or changing lane to the left hand side
- B) Intended to turn right or changing lane to the right hand side
- C) Intended to slow down his vehicle
- D) Indicating breakdown of vehicle

17. In the following figure, driver extend his right arm vertically outside the vehicle. The signal represents



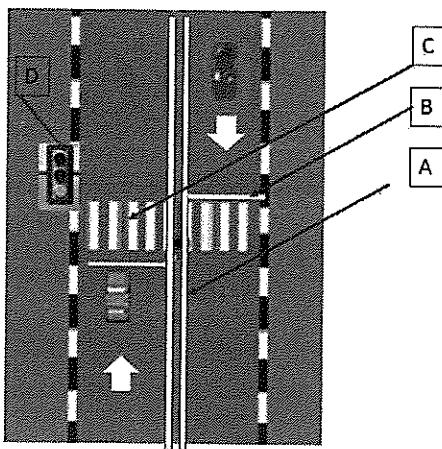
- A) Intended to turn left or changing lane to the left hand side
- B) Intended to turn right or changing lane to the right hand side
- C) Indicating breakdown of vehicle
- D) Intended to stop his vehicle

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

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
B)	3	1	4
C)	4	3	2
D)	1	2	3
			3

20. Approaching an intersection where the yellow signal light is blinking, you should

- Stop and wait the vehicle till green light to appear
- Proceed the vehicle at the same speed
- Proceed the vehicle by accelerating speed
- Slow down the vehicle and proceed only after ensuring that it is safe to cross

(Set - A)

(8)

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



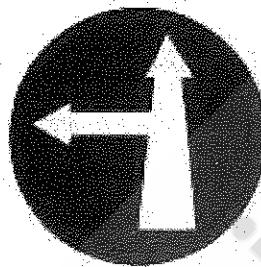
- A) No entry zone
- B) Left turn is prohibited
- C) Right turn is prohibited
- D) Overtaking is prohibited

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?



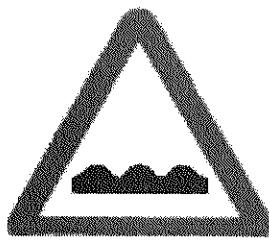
- A) Left turn is prohibited
- B) Compulsory ahead or left turn
- C) Right turn is prohibited
- D) Overtaking is prohibited

30. The following sign on a road represents



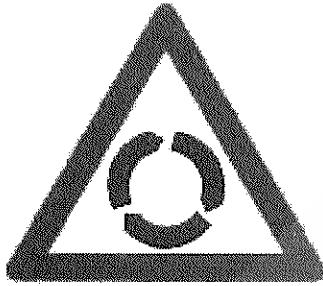
- A) Minimum speed limit
- B) Maximum speed limit
- C) Load limits
- D) Maximum parking time

31. What does the following symbol mean?



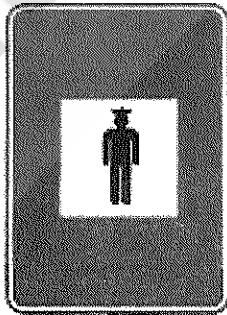
- A) Rumble strip
- B) Speed breaker
- C) Rough road
- D) Slippery road

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

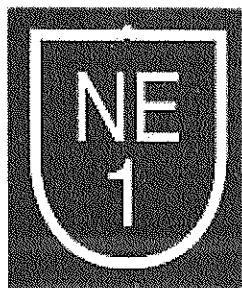


- A) Toilet
- B) Hospital
- C) Police station
- D) Pedestrian subway

(Set - A)

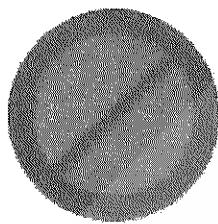
(12)

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
- b Unconscious, and breathing normally
- c Unconscious and not breathing or not breathing normally
- d Wings of insects get lodged under 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 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

- International registration code for India
- RTO code in which the vehicle is registered
- State or union territory in which the vehicle is registered
- High security code for India

80. In case of a road accident, to call an ambulance, what number has to be dialled

- 100
- 101
- 108
- 111

81. As per central motor vehicle act 1988, if you drive while drunk, you can face an imprisonment for a term of upto

- Three months
- Six months
- Nine months
- One year

82. What does central motor vehicle act 1988, section 129 specify

- Do not smoke while driving
- RC must be carried while driving
- Seat belt must be worn
- Helmet should be worn

83. RTO Form No 2 is applicable for

- Application for learner’s licence
- Application of no objection certificate
- Application of duplicate RC certificate
- Application of accident claim

84. Which section of the Motor vehicle act 1988 deals with the grant of driving licence?

- Section 2 of Motor vehicle act 1988
- Section 9 of Motor vehicle act 1988
- Section 14 of Motor vehicle act 1988
- 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 (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

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	List -2
a. Idling at red traffic signal	1 Turning off vehicle's engine
b. Cycling or walking	2 Increasing vehicular pollution in urban India
c. Electric vehicle	3 Do reduce level of air pollution as compared with petrol vehicle
d. High vehicle density	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° 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



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