



CCE RF
Revised Syllabus

NSQF LEVEL-2

KARNATAKA SCHOOL EXAMINATION AND ASSESSMENT BOARD,
MALLESHWARAM, BENGALURU – 560 003
NSQF LEVEL-2, MARCH/APRIL 2025 EXAMINATION-1
MODEL ANSWERS

Date : 04. 04. 2025]

CODE NO. : **88-EK**

Subject : Automobile

(English Medium)
(Regular Fresh)

[Max. Marks : 60



Qn. Nos.	Value Points	Total
	PART-A	
I.	Four alternatives are given for each of the following questions / incomplete statements. Choose the correct alternative and write the complete answer along with its question number and alphabet : 3 × 1 = 3	
1.	"Sham bought a pen; he has a great pen collection." The pronoun in this sentence is (A) Sham (B) bought (C) he (D) has Ans. (C) he	1
2.	Ravi works hard to get the best student award at the end of the year. What type of motivation is this ? (A) Internal (B) External (C) Emotional skill (D) Overconfident Ans. (B) External	1

Qn. Nos.	Value Points	Total	
3.	<p>The valid file extension for notepad file is</p> <p>(A) .jpg (B) .doc</p> <p>(C) .text (D) .txt</p> <p>Ans. (D) .txt</p>		1
II.	Answer the following questions : $2 \times 1 = 2$		
4.	<p>Why is enter key used in the computer ?</p> <p>Ans.</p> <p>It is the one of the most important functional key in the computer to move the cursor to the beginning to a new line.</p>		1
5.	<p>Write any two basic ways in which people can help for sustainable development of goals.</p> <p>Ans.</p> <p>i) Quality education</p> <p>ii) Clean water and sanitation</p> <p>iii) Affordable and clean energy</p> <p>iv) Reduce inequalities. (Any two)</p>	<p>$\frac{1}{2}$</p> <p>$\frac{1}{2}$</p>	1
III.	Answer the following questions : $2 \times 2 = 4$		
6.	<p>What is time management ?</p> <p>Ans.</p> <p>Time management is the ability to plan and control, how you spend the hours of your day well and do all that you want to do.</p>		2

OR



Qn. Nos.	Value Points	Total	
PART-B			
V.	<p>Four alternatives are given for each of the following questions / incomplete statements. Choose the correct alternative and write the complete answer along with its question number and alphabet :</p> <p style="text-align: right;">7 × 1 = 7</p>		
9.	<p>The unit used to ignite the fuel in the petrol engine is</p> <p>(A) Spark plug (B) Carburetor (C) Push rod (D) Radiator</p> <p>Ans. (A) Spark plug</p>		1
10.	<p>Observe the analogy and answer :</p> <p>Vegetable oil : liquid lubricant :: Grease :</p> <p>(A) Semi-solid lubricant (B) Gas lubricant (C) Solid lubricant (D) Emulsion</p> <p>Ans. (A) Semi-solid lubricant</p>		1
11.	<p>The equipment that helps to lift the vehicle and to carry out the work under the chassis is</p> <p>(A) Pneumatic wrench (B) Air compressor (C) Two-post lift (D) Wheel balancer</p> <p>Ans. (C) Two-post lift</p>		1
12.	<p>The fuel filter is clogged in a vehicle. It</p> <p>(A) Makes more fuel to flow inside the cylinder (B) Reduces the fuel pressure (C) Increases the fuel pressure (D) Allows more air enter into the engine</p> <p>Ans. (B) Reduces the fuel pressure</p>		1

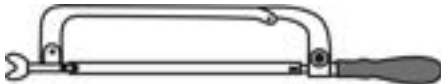


Qn. Nos.	Value Points	Total	
13.	Which of the following is NOT a part of cooling system ? (A) Radiator (B) Thermostat (C) Cooling fan (D) Bonnet Ans. (D) Bonnet		1
14.	A stub axle is used for (A) Rotating the wheel (B) Opening the nut (C) Tightening the bolt (D) Folding the nut Ans. (A) Rotating the wheel		1
15.	The device that avoids the flow of current from battery to the alternator is (A) Voltage regulator (B) Spark plug (C) Cut-out unit (D) Ignition coil Ans. (C) Cut-out unit		1
VI.	Fill in the blanks with suitable answer : 4 × 1 = 4		
16.	Now a days the gear used to final drive is Ans. Hyped gears		1
17.	The tube and tubeless tyres are called tyres. Ans. Pneumatic		1
18.	Mallet is made up of Ans. Wood		1
19.	In general the coolant is changed in a vehicle year once. Ans. two		1



Qn. Nos.	Value Points	Total																	
VII. 20.	<p>Uses of automobile tools are given in Column-A and automobile tools are given in Column-B. Match them and write the answer along with its letter of alphabet : 4 × 1 = 4</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Column-A</th> <th style="width: 50%; text-align: center;">Column-B</th> </tr> </thead> <tbody> <tr> <td>i) To measure voltage, current and resistance</td> <td>a) Wheel balancer</td> </tr> <tr> <td>ii) To measure specific gravity</td> <td>b) Screw gauge</td> </tr> <tr> <td>iii) To measure very small distance precisely</td> <td>c) Air compressor</td> </tr> <tr> <td>iv) To measure distance between two opposite sides</td> <td>d) Multimeter</td> </tr> <tr> <td></td> <td>e) Wrenches</td> </tr> <tr> <td></td> <td>f) Hydrometer</td> </tr> <tr> <td></td> <td>g) Calipers</td> </tr> </tbody> </table> <p>Ans :</p> <p>i) d) Multimeter</p> <p>ii) f) Hydrometer</p> <p>iii) b) Screw gauge</p> <p>iv) g) Calipers</p>	Column-A	Column-B	i) To measure voltage, current and resistance	a) Wheel balancer	ii) To measure specific gravity	b) Screw gauge	iii) To measure very small distance precisely	c) Air compressor	iv) To measure distance between two opposite sides	d) Multimeter		e) Wrenches		f) Hydrometer		g) Calipers	1 1 1 1	4
Column-A	Column-B																		
i) To measure voltage, current and resistance	a) Wheel balancer																		
ii) To measure specific gravity	b) Screw gauge																		
iii) To measure very small distance precisely	c) Air compressor																		
iv) To measure distance between two opposite sides	d) Multimeter																		
	e) Wrenches																		
	f) Hydrometer																		
	g) Calipers																		
VIII. 21. 22.	<p>Answer the following questions : 4 × 1 = 4</p> <p>Mention the types of automobile engines based on the cycles of operation.</p> <p>Ans.</p> <p>1. Auto cycle</p> <p>2. Diesel cycle</p> <p>Define viscosity of an oil.</p> <p>Ans.</p> <p>"Viscosity is the property of liquid, which resist to the lubricating oil".</p>	1	1																



Qn. Nos.	Value Points	Total	
23.	Mention any two hand instruments. Ans. 1. Spanner 2. Wrench 3. Bench vice. (any two)	1/2 1/2	1
24.	In night vision assist technology thermal imaging cameras are used. Why ? Ans. To find or spot animals, pedestrians and other vehicle at night.		1
IX.	Answer the following questions : 4 × 2 = 8		
25.	Write a short note on Air compressor. Ans. Air compressor machine which is used to increase the pressure of air by reducing its volume. They have two types 1. Rotary screw air compressor 2. Reciprocating air compressor	1 1	2
26.	Draw the diagram of "hand hacksaw". Ans.  Diagram- 2		2
27.	List the steps to be followed while changing the air filter of a vehicle. Ans. i) Prepare the vehicle ii) Locate the old air filter iii) Remove the cover iv) Clean the air filter housing v) Insert the new air filter and close the cover.	1/2 1/2 1/2 1/2	2



Qn. Nos.	Value Points	Total	
28.	<p>Explain the "sensitive air bag system" in a vehicle safety system.</p> <p>Ans.</p> <p>The system sense the difference in the size and weight of the occupants and deploys the air bag. It detect the even be able to individually.</p> <p style="text-align: center;">OR</p> <p>Explain the "Blind spot detection" in a vehicle safety system.</p> <p>Ans.:</p> <p>This system alerting us to make a turn and an object or car is in our blind spot. This technology responds as soon as the driver puts the signals.</p>	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	2
X.	Answer the following questions :	3 × 3 = 9	
29.	<p>Write any four advantages of a battery.</p> <p>Ans.</p> <p>i) It is an electrochemical device</p> <p>ii) It stores the electric energy in the form of chemical energy.</p> <p>iii) It supplies the electric current to whole vehicle.</p> <p>iv) It operates all the systems in a vehicle.</p> <p style="text-align: right;">(Any three)</p>	1 1 1 1	3
30.	<p>List the important aspects of customer service.</p> <p>Ans.</p> <p>i) Feel good factor</p> <p>ii) Know your product</p> <p>iii) Body Language</p> <p>iv) Communication</p> <p>v) Anticipate guest needs</p> <p style="text-align: right;">(Any three)</p> <p style="text-align: center;">OR</p>	1 1 1 1	3



Qn. Nos.	Value Points	Total	
	<p>List any six duties performed by the automobile salesperson.</p> <p>Ans.:</p> <p>i) Sells a minimum number of vehicle ii) Explains fully about product iii) Offers test drives to all iv) Assists customers in selecting vehicle v) Attends sales meetings vi) Schedules first service appointment.</p> <p style="text-align: right;">(any six related)</p>		3
31.	<p>Soaps and detergents should not be used while washing vehicles. Why ?</p> <p>Ans.</p> <p>Do not use detergent, dish soap. Soap is designed for dishes, it damages the car paint and the paint is getting dim. So use only the car soap.</p>		3
XI.	Answer the following questions : 3 × 4 = 12		
32.	<p>Write the main functions of front axle of a vehicle.</p> <p>Ans.</p> <p>i) It carries the weight of the front of the vehicle ii) It carries stub axle iii) It controls the ride iv) It carries various systems like braking system etc.</p>	1 1 1 1	4



Qn. Nos.	Value Points	Total	
33.	<p>Draw the diagram of file and label the following parts :</p> <p>i) Face</p> <p>ii) Tang</p> <p>Ans.</p> <div data-bbox="491 703 1008 1093" data-label="Image"> <p>The diagram shows a file with a long, flat body and a handle. An arrow points to the handle, labeled 'Tang', and another arrow points to the flat surface of the file, labeled 'Face'.</p> </div> <p style="text-align: right;">Diagram-3 Parts-1</p> <p style="text-align: center;">OR</p> <p>Draw the diagram of hammer and label the following parts :</p> <p>i) Handle</p> <p>ii) Face</p> <p>Ans.</p> <div data-bbox="405 1585 1098 1908" data-label="Image"> <p>The diagram shows a hammer with a head and a handle. An arrow points to the handle, labeled 'Handle', and another arrow points to the flat surface of the hammer head, labeled 'Face'.</p> </div> <p style="text-align: right;">Diagram-3 Parts-1</p>	4	4



Qn. Nos.	Value Points	Total	
34.	<p>Explain the procedure for washing a vehicle manually.</p> <p>Ans.</p> <p>i) Park the vehicle on ground level</p> <p>ii) Engine off and brake on</p> <p>iii) Take a bucket of clean water</p> <p>iv) Apply the car soap or shampoo and steer well</p> <p>v) Apply the car soap from roof to downwards</p> <p>vi) Now apply the clean water from roof to downwards</p> <p>vii) Clean the side walls of tyre using plastic brush and apply the clean water</p> <p>viii) Using dry cloth wipe the car from roof to downwards</p> <p>ix) Clean the glass and windows using Newspaper.</p> <p style="text-align: center;">OR</p> <p>Explain the procedure for changing the coolant of a vehicle.</p> <p>Ans.:</p> <p>i) Prepare the vehicle</p> <p>ii) Locate the radiator and place the pan</p> <p>iii) Remove the drain plug and leave to drain out</p> <p>iv) Insert the drain plug</p> <p>v) Locate the filler cap</p> <p>vi) Insert the New coolant using funnel.</p> <p>vii) Check for leakages and ensure the level of coolant</p> <p>viii) Run the engine and check.</p>	<p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p>	<p>4</p> <p>4</p>

