

CCE RR

NSQF LEVEL-2

**KARNATAKA SECONDARY EDUCATION EXAMINATION BOARD, MALLESWARAM,
BANGALORE – 560 003
S. S. L. C. EXAMINATION, JUNE, 2017**

MODEL ANSWERS

Date : 22.06.2017]

CODE NO. : **88-EK**

Subject : Automobile

(English Version)

(Regular Repeater)

[ಗರಿಷ್ಠ ಅಂಕಗಳು : 60


[Max. Marks : 60

Qn. Nos.	Value Points	Total
I. 1.	C — fixing the auto body	1
2.	B — radiator and engine	1
3.	C — higher temperature	1
4.	A — graphite	1
5.	D — $W = VI$	1
6.	D — steam engine	1
7.	C — steel	1
8.	B — Newspaper	1
9.	A — 50,000 km	1
10.	D — Engine off and parking brake on	1

RR-XXVII-8056

[Turn over

Qn. Nos.	Value Points	Total	
II. 11.	excess heat		1
12.	hydrometer		1
13.	drill bit		1
14.	fuel pressure		1
III. 15.	i) (g) lubrication		1
	ii) (e) cuts sheet metal		1
	iii) (d) cutting & chipping		1
	iv) (b) remove sharp edges		1
IV. 16.	This indicates the extent to which the charge of the engine compressed. This is calculated as the ratio of volume above the piston at B.D.C. to the volume above the piston of T.D.C.	$\frac{1}{2}$ $\frac{1}{2}$	1
17.	i) Conventional chassis frame	$\frac{1}{2}$	1
	ii) Integral chassis frame.	$\frac{1}{2}$	
18.	Screw gauge is a device incorporating a calibrated screw widely for precise measurement of small distance.	$\frac{1}{2}$ $\frac{1}{2}$	1
19.	Air filter keeps the inside of the engine free of dust and insects. Helps the car run well.	$\frac{1}{2}$ $\frac{1}{2}$	1
20.	Chrysler		1
21.	i) Honda	$\frac{1}{2}$ $\frac{1}{2}$	

Qn. Nos.	Value Points	Total	
	ii) Saturn		1
V. 22.	i) it operates the starting motor ii) it operates the ignition system iii) it operates electronic fuel injection iv) supplies electrical power to the vehicle accessories v) it acts as a stabilizer vi) it stores energy.	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	2
23.	i) Single cylinder ii) Two cylinder iii) Three cylinder iv) Four cylinder v) Six cylinder vi) Eight, twelve, sixteen cylinder	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	2
24.	Hand Hacksaw frame  Sketch		2

Qn. Nos.	Value Points	Total	
25.	i) Colour of the car shades ii) Cannot wipe out the dirt cleanly iii) Chemically reacts on the parts or any other relevant answers.	1 1	2
26.	i) Know your product ii) Feel good factor iii) Body language & communication iv) Anticipate guest needs.	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	2
27.	Provides latest and greatest technology by eliminating low tyre pressure which can result in an accident or simply poor gas mileage. A tyre pressure monitoring system can also alert us in seconds to a flat tyre thereby reducing the chances of becoming involved in a car accident due to a flat tyre.		2
VI. 28.	Viscosity : Resistance of the lubricating oil to flow. Pour point : The minimum temperature at which the oil will pour. Flash point : Sufficiently high so as to avoid flashing.	1 1 1	3
29.	i) Designed for special work ii) Life of the part increases iii) Damage of the part reduced iv) Work easy and save time.	1 1 1	3

Qn. Nos.	Value Points	Total	
30.	i) Engine oil ii) New oil filter iii) Safety glasses iv) Plastic container v) Car jack vi) Drain plug socket vii) Paper towels viii) Oil filter wrench. OR	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	3
	i) New air filter ii) Flat screw driver iii) Phillips screw driver iv) Compressor air valve hose	1 1 1	3
31.	i) Assists customers ii) Sells / leases and delivers vehicles iii) Explains product performance iv) Follow dealership procedure v) Attends product and sales training vi) Offers test drive and any other relevant answers.	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	3

Qn. Nos.	Value Points	Total	
VII. 32.	<p style="text-align: center;">OR</p>	<p style="text-align: right;">Sketch 3</p> <p style="text-align: right;">Parts 1</p>	4
	<p style="text-align: right;">Sketch 3</p> <p style="text-align: right;">Parts ($\frac{1}{2} + \frac{1}{2}$) 1</p>	4	
33.	<ul style="list-style-type: none"> i) Universal clutch holding tool ii) Torque wrench iii) Tappet wrench 	<p>1</p> <p>1</p> <p>1</p>	

Qn. Nos.	Value Points	Total	
	iv) Flywheel puller. OR <u>Multimeter :</u> Combines several measuring functions. Measures voltage, current, resistance. Also called as volt-ohm meter. <u>Tachometer :</u> i) Measures working speed of engine ii) Measures engine speed revolutions / minute iii) Tachos means speed, metron means measures iv) Displayed on the tachometer on the calibrated analogue dial.	1	4
34.	i) All the doors, windows closed ii) Take a bucket of clean water & pour iii) Remove the dirt from car iv) Clean the roof of the car with sponge or terry cloth v) Spray off excess soap when the entire roof has been cleaned vi) Clean the tyre side walls vii) Take one old towel and dry the car and any other related answer.	$\frac{1}{2}$	
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