

These are sample MCQs to indicate pattern, may or may not appear in examination			
University of Mumbai			
Online Examination 2020			
	Program: BE Automobile Engineering		
	Curriculum Scheme: Revised 2012		
	Examination: BE SEM VII R-2012		
	Course Code:AEC701 and Course Name: CHASSIS AND BODY ENGINEERING		
	BODY ENGINEERING		
	Time: 1hour	Max. Marks: 50	
	Note to the students:- All the Questions are compulsory and carry equal marks .		
QUESTION NO.	QUESTIONS		
QNO.1	A compartment which takes luggage and often the spare wheel & fuel tank is known as-----		
A	Bumper		
B	Boot		
C	Pillar		
D	Roof		
QNO.2	A monocoque is a chassis in which-----		
A	only body take all loads		
B	only chassis take all loads		
C	body and chassis both takes all loads		
D	only frame of chassis takes loads		
QNO.3	Which of the following car has Front Engine Front wheel drive?		
A	Mahindra TUV300		
B	Ford Endeavour		
C	Hyundai i10		
D	Toyota innova		
QNO.4	Vehicle with separate engine area ,passenger area and luggage area enclosed with passenger area are called as		
A	Notchback		
B	Fastback		
C	Hatchback		
D	Station wagon		
QNO.5	Profile drag depends on which of the following		
A	Shape of the car		
B	Height of the car		

C	width of the car		
D	none of the above		
QNO.6	In forward control type the driver and crew sit _____ the engine		
A	in front of		
B	besides		
C	above		
D	behind		
QNO.7	As applied to specification of commercial heavy vehicle the abbreviation G.V.W is		
A	General vehicle width		
B	Gross vehicle weight		
C	Given variable wheel base		
D	Gross vehicle width		
QNO.8	Rolling moment of the car is caused about which axis ?		
A	vertical axis		
B	lateral axis		
C	longitudinal axis		
D	horizontal axis		
QNO.9 is a composite material or fibre-reinforced polymer made of a plastic reinforced by fine fibres made of glass.		
A	Fibre-reinforced plastic (FRP)		
B	Metal-reinforced plastic (FRP)		
C	Glass Reinforced Plastic		
D	Fibre plastic		
QNO.10	The negative lift force is also called as		
A	crosswindforce		
B	Downforce		
C	aerodynamic drag		
D	towing force		
QNO.11	Classification of different type of vehicle structure is based on		
A	shear forces at the edges of panels		
B	Forces acting at front axle		
C	Forces acting at rear axle		
D	Forces acting on componets of Engine		
QNO.12	The wake region is formed in which region over the car?		
A	bonnet		
B	roof top		
C	boot		

D	front grill		
QNO.13	Limiting tractive and braking forces are decided by		
A	Coefficient of friction b/w tires and road surfaces		
B	Forces acting at front axle		
C	Forces acting at rear axle		
D	Forces acting at front and rear axles		
QNO.14	Torsion is a case of		
A	vertical symmetrical loading case		
B	vertical asymmetrical loading case		
C	longitudinal casing		
D	lateral casing		
QNO.15	In classic type of Buses,Engine is mounted in _____ of passenger compartment		
A	front		
B	inside or below		
C	besides		
D	rear		
QNO.16	ULSAB stands for		
A	Ultra Light Steel Autobody		
B	Ultra Light Steel Autocar		
C	Ultra Light Steel Automotive		
D	Ultra Light Steel Automobile		
QNO.17	Vortices are formed in which type of drag?		
A	friction drag		
B	profile drag		
C	Induced drag		
D	form drag		
QNO.18	The central portion of the wheel is called		
A	Rim		
B	Scale		
C	Hub		
D	Axle		
QNO.19	Front visibility of driver is not influenced by		
A	A pillar		
B	seating position of driver		
C	angle of front windshield		
D	position of B pillar		
QNO.20	Which force is responsible for yawing moment?		
A	lift force		
B	aerodynamic drag		

C	lateral force		
D	towing force		
QNO.21	Formula for Drag force $F_d = \text{-----}$		
A	$C_d A \rho (V^2)/2$		
B	$C_d A \rho (V^3)/2$		
C	$C_d A \rho V/2$		
D	$C_d A \rho (V^2)/3$		
QNO.22	Side loads arise due to		
A	Bump		
B	Pot hole		
C	Cornering		
D	Symmetric load		
QNO.23	A _____ is a horizontal surface at the back of a car and serves as a lid to the trunk.		
A	Trunktop		
B	Deck		
C	Hood		
D	Backlight		
QNO.24	Stagnant point is referred to a point where,		
A	pressure is maximum and velocity is zero		
B	velocity is maximum pressure is zero		
C	pressure and velocity are equal		
D	pressure and velocity both are maximum		
QNO.25	IBAS stands for		
A	Intelligent Body Assembly system		
B	Intelligent Body Automotive system		
C	Intelligent Body Autobody system		
D	Intelligent Body Autocar system		