

Online Examination, University of Mumbai

Department: Automobile
Revision: R2016
Semester: 8
Subject: Transport Management & Motor Industry (AEDLO8044)
Date of Examination: 2020-10-15

Q. 1	Fill in the blank with proper option: "....." means a motor vehicle constructed or adapted to carry more than six passengers excluding the driver for hire or reward at separate fares paid by or for individual passengers, either for the whole journey or for stages of the journey	M
Option 1	Ambulance	0
Option 2	Private Bus	0
Option 3	Stage Carriage	CORRECT OPTION
Option 4	Contract Carriage	0
Q. 2	Fill in the blank with proper option: "....." means any goods carriage the gross vehicle weight of which, or a tractor or a road-roller the unladen weight of either of which, exceeds 12,000 kilograms	M
Option 1	Heavy Goods Vehicle	CORRECT OPTION
Option 2	Light Motor Vehicle	0
Option 3	Light Commercial Vehicle	0
Option 4	Medium Goods Vehicle	0
Q. 3	What is Form No. 32?	M
Option 1	Intimation of Transfer of Ownership of a Motor Vehicle by Transferor	0
Option 2	Application for Refund of Tax in event of Inter State Registration or Cancellation of Registration mark	0
Option 3	To intimate the loss or destruction etc. of the certificate of registration and application For the issue of Duplicate Certificate Of Registration	0
Option 4	Application for transfer of ownership in case of a motor vehicle purchased or acquired in public auction	CORRECT OPTION
Q. 4	Fill in the blank with proper option: "....." means an omnibus, which is owned by a college, school or other educational institution and used solely for the purpose of transporting students or staff of the educational institution in connection with any of its activities	M
Option 1	Taxi Bus	0
Option 2	Luxury Bus	0
Option 3	Educational Institution Bus	CORRECT OPTION
Option 4	Trainee Bus	0
Q. 5	Fill in the blank with proper option: ".....", in relation to a stage carriage, means a person engaged in collecting fares from passengers, regulating their entrance into, or exit from, the stage carriage and performing such other functions as may be prescribed.	M
Option 1	Owner	0
Option 2	Fare collector	0
Option 3	Driver	0
Option 4	Conductor	CORRECT OPTION

Q. 6	To which ministry of the Central Government, does the Regional Transport Office or Regional Transport Authority (RTO / RTA) belong?	M
Option 1	Ministry of Finance	0
Option 2	Ministry of Road Transport	0
Option 3	Ministry of Road Highways	0
Option 4	Ministry of Road Transport and Highways	CORRECT OPTION
Q. 7	For what purpose Form No. 26 is used?	M
Option 1	To intimate the loss or destruction etc. of the certificate of registration and application For the issue of Duplicate Certificate Of Registration	CORRECT OPTION
Option 2	Application for transfer of ownership in case of a motor vehicle purchased or acquired in public auction	0
Option 3	Application for Refund of Tax in event of Inter State Registration or Cancellation of Registration mark	0
Option 4	Intimation of Transfer of Ownership of a Motor Vehicle by Transferor	0
Q. 8	Which form is used as an Application for Refund of Tax in event of Inter State Registration or Cancellation of Registration mark?	M
Option 1	Form No. 16	CORRECT OPTION
Option 2	Form No. 21	0
Option 3	Form No. 20	0
Option 4	Form No. 12-A	0
Q. 9	Which form is used as an application for Registration of a Motor Vehicle?	M
Option 1	Form No. 11	0
Option 2	Form No. 12	0
Option 3	Form No. 20	CORRECT OPTION
Option 4	Form No. 21	0
Q. 10	Who has to pay the road tax for motor vehicle?	M
Option 1	Vehicle Manufacturer	0
Option 2	Vehicle Owner	CORRECT OPTION
Option 3	Driver	0
Option 4	Vehicle Dealer	0
Q. 11	Which of the following vehicle is not 100 Percent exempted from payment of tax?	M
Option 1	Invalid carriage	0
Option 2	State government vehicle	0
Option 3	Ambulances working on no loss no profit basis	0
Option 4	School Bus	CORRECT OPTION
Q. 12	How much tax is exempted for School bus owned by school?	M
Option 1	1/3 of annual rate	0
Option 2	100 Percent	0
Option 3	3/4 of annual rate	0
Option 4	2/3 of annual rate	CORRECT OPTION
Q. 13	What governs the Procedure of vehicle taxation?	M
Option 1	Zilha Parishad	0
Option 2	Bombay motor vehicle tax act 1958	CORRECT OPTION
Option 3	Income Tax Department	0
Option 4	Payment bonus act, 1965	0
Q. 14	Which of the following vehicle is 100 Percent exempted from payment of tax?	M
Option 1	Vehicle under no use	CORRECT OPTION
Option 2	Vehicles belonging to orchestra	0

Option 3	school bus to carry school children	0
Option 4	private vehicle to carry school children	0
Q. 15	Vehicles under no use are exempted by _____ of tax.	M
Option 1	1/3 of annual rate	0
Option 2	100 Percent	CORRECT OPTION
Option 3	3/4 of annual rate	0
Option 4	2/3 of annual rate	0
Q. 16	Vehicle used for transportation of school children and owned by school are exempted _____ of tax.	M
Option 1	3/4 of annual rate	0
Option 2	100 Percent	0
Option 3	1/3 of annual rate	0
Option 4	2/3 of annual rate	CORRECT OPTION
Q. 17	Which one of the following is a reason to levied road tax?	M
Option 1	Development of new Roads	CORRECT OPTION
Option 2	Development of new Airport	0
Option 3	Development of new Bus Stands	0
Option 4	Development of new Ports	0
Q. 18	In _____ method of fare fixation, all successive stages bear a fixed rate of charge.	M
Option 1	Universal/ Flat fare	0
Option 2	Tapered scale	0
Option 3	Straight line scale	CORRECT OPTION
Option 4	Concessional fare	0
Q. 19	_____ has to look after the ticket stock and traffic stationary and accounting of traffic revenue.	M
Option 1	Depot Manager	0
Option 2	Traffic incharge	CORRECT OPTION
Option 3	Workshop incharge	0
Option 4	Administrative assistant	0
Q. 20	_____ is still the major means of Rural transport.	M
Option 1	Bullocks cart	CORRECT OPTION
Option 2	Taxi	0
Option 3	City Bus service	0
Option 4	Locals	0
Q. 21	Which of the following transportation systems offers fastest mobility?	M
Option 1	Air	CORRECT OPTION
Option 2	Continuous flow	0
Option 3	Rail	0
Option 4	Water	0
Q. 22	_____ fixes the conditions of the vehicle operation on a route throughout the day.	M
Option 1	Vehicle scheduling	CORRECT OPTION
Option 2	Maintenance scheduling	0
Option 3	Bus scheduling	0
Option 4	Crew scheduling	0

Q. 23	BRTS is a highly efficient _____ concept designed to meet growing transport demands in cities around the world.	M
Option 1	Water transport	0
Option 2	Para-transit	0
Option 3	Private transport	0
Option 4	Public transport	CORRECT OPTION
Q. 24	The schedule or detailed plan of arrival and departure of buses is known as _____	M
Option 1	Route	0
Option 2	Trip	0
Option 3	Time Table	CORRECT OPTION
Option 4	Fare	0
Q. 25	In the organizational structure at depot level _____ does not report directly to depot manager.	M
Option 1	MIS assistant	0
Option 2	Administration assistant	0
Option 3	Accountant	0
Option 4	Ticket control	CORRECT OPTION

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Department: All
Revision: R2016
Semester: 8
Subject: Project Management (ILO8021)
Date of Examination: 2020-10-17

Q. 1	The criteria for evaluation of project needs	M
Option 1	to be established from the beginning	CORRECT OPTION
Option 2	to be controlled	0
Option 3	to be examined	0
Option 4	to be resolved	0
Q. 2	A project organization is a structure that facilitates the coordination and	M
Option 1	implementation of project activities	CORRECT OPTION
Option 2	combination of project activities	0
Option 3	maintaining portfolio	0
Option 4	selection of different processes	0
Q. 3	A project life cycle is the series of phases that a project passes through	M
Option 1	from its initiation to its closure.	CORRECT OPTION
Option 2	from its initiation to its end.	0
Option 3	from its lower to its upper stage.	0
Option 4	from planning to its execution.	0
Q. 4	Project sponsor is the person or group that provides the	M
Option 1	financial resources for the project.	CORRECT OPTION
Option 2	patrons to the project	0
Option 3	new directions to the project	0
Option 4	support for the project	0
Q. 5	Which of the following statement is true about a Program?	M
Option 1	A program is a portfolio	0
Option 2	A Program is a part of a big project	0
Option 3	A Program is a group of related projects	CORRECT OPTION
Option 4	A Program is a group of unrelated projects	0
Q. 6	Which of the following statement is true about the Project Charter?	M
Option 1	It is used to identify scope	0
Option 2	It authorizes the existence of a project	CORRECT OPTION
Option 3	It is a bidding document	0
Option 4	It is used to rank the risks	0
Q. 7	The project charter should be issued by whom?	M
Option 1	The CFO	0
Option 2	The head of the performing organization	0
Option 3	A manager external to the project	CORRECT OPTION
Option 4	One or more functional managers	0
Q. 8	Pareto Chart helps you find:	M
Option 1	Cause of variation	0
Option 2	Cause of deviation	0
Option 3	Minor sources creating the majority of problems	CORRECT OPTION
Option 4	Majority of causes creating the minority of problems	0

Q. 9	You have created the project charter but could not get it approved by senior management. Your manager and his boss have asked you to begin the project anyway. Which of the following actions is the best thing to do?	M
Option 1	Focus on other projects that have a signed charter.	0
Option 2	Update your Project Risk Log.	0
Option 3	Show your manager the impact of proceeding without approval.	CORRECT OPTION
Option 4	Start work on critical path tasks.	0
Q. 10	Project selection is the process of ----	M
Option 1	Implement all the necessary objectives of the parent organization will be achieve	0
Option 2	Evaluating proposed projects or groups of projects, and then choosing to implement some set of them so that the objectives of the parent organization will be achieve	CORRECT OPTION
Option 3	Implement some set of the objectives.	0
Option 4	Selecting the groups of projects, and then to implement all of them so that the objectives of the parent organization will be achieve	0
Q. 11	Which contract is considered most risky for the bidders?	M
Option 1	Fixed Price	CORRECT OPTION
Option 2	CPAF	0
Option 3	Time & Material	0
Option 4	Cost Reimbursable	0
Q. 12	A project that has a negative cost variance and an SPI less than 1.0 means that the project is:	M
Option 1	Over-budget and ahead of schedule	0
Option 2	Under-budget and ahead of schedule	0
Option 3	Over-budget and behind schedule	CORRECT OPTION
Option 4	Under-budget and behind schedule	0
Q. 13	Earned Value Analysis is used to measure performance based on following parameters:	M
Option 1	Scope , Cost and Schedule	CORRECT OPTION
Option 2	Scope and Cost	0
Option 3	Scope and Schedule	0
Option 4	Cost and Schedule	0
Q. 14	What does the Schedule Performance Index (SPI) say about the project?	M
Option 1	It says whether you are overspending or under-spending	0
Option 2	It says whether you are ahead of or behind schedule	CORRECT OPTION
Option 3	It says whether your process is under control or not	0
Option 4	Specifies the control limits of the process	0
Q. 15	Which of the following statements are not true regarding the Scope Management Plan ?	M
Option 1	Provides guidance on how the Project Scope will be verified.	0
Option 2	Provides guidance regarding the enterprise environmental factors and organizational process assets that would play a part.	0
Option 3	Scope Management Plan is not a Part of the Project Management Plan.	CORRECT OPTION
Option 4	Provides guidance on how the scope will be defined , documented monitored and controlled.	0
Q. 16	If the planned value (PV) is \$275,000 and the earned value (EV) is \$300,000, the schedule variance (SV) is:	M
Option 1	Negative 25000 USD	0
Option 2	25,000 USD	CORRECT OPTION

Option 3	575,000 USD	0
Option 4	125,000 USD	0
Q. 17	Money spent during a specific time period is known as:	M
Option 1	Budgeted Cost	0
Option 2	Planned Value	0
Option 3	Actual Cost	CORRECT OPTION
Option 4	Earned Value	0
Q. 18	You are in charge of a project to build a bridge across a river. You are midway through the project. However, due to changes in environmental laws, the project can no longer proceed and would need to be terminated. Executive management has asked you to document the level of work completed for the project. This would be done in which of the processes?	M
Option 1	Project charter	0
Option 2	Contract closure	0
Option 3	Scope Verification	CORRECT OPTION
Option 4	Project Closure	0
Q. 19	A project is overbudget when	M
Option 1	CPI > 1	0
Option 2	SPI > 1	0
Option 3	CPI and SPI > 1	0
Option 4	CPI less than 1	CORRECT OPTION
Q. 20	Project terminated due to conflict in senior management is called	M
Option 1	Cross cultural termination	0
Option 2	Senescence terminations	0
Option 3	Political termination	CORRECT OPTION
Option 4	Non political termination	0
Q. 21	We demonstrate transparency in our decision-making process.	M
Option 1	Respect Mandatory standard	0
Option 2	Honesty Mandatory standard	0
Option 3	Fairness aspirational standard	CORRECT OPTION
Option 4	Responsibility Mandatory standard	0
Q. 22	Project termination due to non cooperation among different culture groups is called	M
Option 1	Non political termination	0
Option 2	Cross cultural termination	CORRECT OPTION
Option 3	Senescence terminations	0
Option 4	Political termination	0
Q. 23	We conduct ourselves in a professional manner, even when it is not reciprocated.	M
Option 1	Respect Aspirational standard	CORRECT OPTION
Option 2	Responsibility Mandatory standard	0
Option 3	Honesty Mandatory standard	0
Option 4	Respect Mandatory standard	0
Q. 24	Virtual team failure is directly related to the difficulties of building	M
Option 1	negative relationship	0
Option 2	Trust	CORRECT OPTION
Option 3	Partnership	0
Option 4	Affection	0
Q. 25	Virtual team is dispersed	M
Option 1	Geographically	CORRECT OPTION
Option 2	Physically	0
Option 3	Technically	0
Option 4	Mentally	0

Online Examination, University of Mumbai

Department: All
Revision: R2016
Semester: 8
Subject: Environmental Management (ILO8029)
Date of Examination: 2020-10-17

Q. 1	Which of the following rivers is called the world's most polluted river?	M
Option 1	Cauvery River	0
Option 2	Yamuna River	0
Option 3	Ganga River	CORRECT OPTION
Option 4	Chenab River	0
Q. 2	Which one is the correct food chain?	M
Option 1	Phytoplankton → Zooplankton → Fish	CORRECT OPTION
Option 2	Zooplankton → Phytoplankton → Fish	0
Option 3	Zooplankton → Protozoans → Fish	0
Option 4	Grass → Fish → Zooplankton	0
Q. 3	Sustainable development can be thought of in terms of three spheres i.e.	M
Option 1	environment, economy and ecology	0
Option 2	environment, economy and equity	0
Option 3	environment, ecology and society	0
Option 4	environment, economy and society	CORRECT OPTION
Q. 4	Which of the following is not a waterborne disease?	M
Option 1	Measles	CORRECT OPTION
Option 2	Typhoid	0
Option 3	Cholera	0
Option 4	Hepatitis	0
Q. 5	Measuring BOD (biological oxygen demand) is primarily used for	M
Option 1	Estimating the quantity of organic matter in sewage water	CORRECT OPTION
Option 2	Determine the level of dissolved oxygen	0
Option 3	Determine rate of fish growth in sea water	0
Option 4	Estimating the types of microbes	0
Q. 6	Which of the following is a possible producer in an ecosystem?	M
Option 1	Plants	CORRECT OPTION
Option 2	Human beings	0
Option 3	Fish	0
Option 4	Animals	0
Q. 7	Which of the following conceptual components of the environment are effective transporters of matter?	M
Option 1	Atmosphere and lithosphere	0
Option 2	Atmosphere and hydrosphere	CORRECT OPTION
Option 3	Lithosphere and biosphere	0
Option 4	Hydrosphere and lithosphere	0
Q. 8	The developed countries consume how much percent of energy?	M
Option 1	30 Percent	CORRECT OPTION
Option 2	70 Percent	0
Option 3	20 Percent	0

Option 4	60 Percent	0
Q. 9	Food chain starts with	M
Option 1	Producer	CORRECT OPTION
Option 2	Omnivores	0
Option 3	Carnivores	0
Option 4	Herbivores	0
Q. 10	A promising direction towards sustainable development is to design systems that are	M
Option 1	flexible and reversible	CORRECT OPTION
Option 2	inflexible and irreversible	0
Option 3	inflexible and reversible	0
Option 4	flexible and irreversible	0
Q. 11	Which of the following parameter of light is NOT required by plants to grow?	M
Option 1	Color of light	CORRECT OPTION
Option 2	Duration of light	0
Option 3	Intensity of light	0
Option 4	Wavelength of light	0
Q. 12	Overgrazing results in:	M
Option 1	Productive soils	0
Option 2	Fertile soil	0
Option 3	Soil erosion	CORRECT OPTION
Option 4	Retention of useful species	0
Q. 13	Why plastics are difficult to recycle	M
Option 1	as it is hard material	0
Option 2	as it has different types of polymer resins	CORRECT OPTION
Option 3	due to different sizes of plastics	0
Option 4	it is very adhesive in nature	0
Q. 14	Why the recycled paper is banned for use in food containers?	M
Option 1	Because paper can be used only one time	0
Option 2	Because it creates a lot of spaces	0
Option 3	Because it creates contamination	CORRECT OPTION
Option 4	Because paper is very thick and can't cover the food containers	0
Q. 15	What does Liming of Soil mean	M
Option 1	Application of magnesium and calcium rich substances to soil	CORRECT OPTION
Option 2	Erosion of calcium carbonate(lime) zones in soil	0
Option 3	adding lime water in acid rain prone areas	0
Option 4	Excessive growth of lemon trees in acid rain regions	0
Q. 16	Which of the following data is not required for hazard identification?	M
Option 1	Estimation of risk	CORRECT OPTION
Option 2	Affected population	0
Option 3	Contaminant levels	0
Option 4	Land use	0
Q. 17	The most important agents for Ozone depletion are	M
Option 1	Nuclear Fallout	0
Option 2	CFC's	CORRECT OPTION
Option 3	Nitrous Oxide	0
Option 4	Methane	0
Q. 18	Which of the following can be recycled many times?	M

Option 1	Plastic	0
Option 2	Aluminum	CORRECT OPTION
Option 3	Wood	0
Option 4	Organic materials	0
Q. 19	What is the main use of Nuclear Energy	M
Option 1	To use it for alternate source of Energy	CORRECT OPTION
Option 2	To waste the excessive energy	0
Option 3	To kill the enemy nation	0
Option 4	To cause mutation for people who are working	0
Q. 20	The natural place of an organism is known as	M
Option 1	Habit	0
Option 2	Habitat	CORRECT OPTION
Option 3	Niche	0
Option 4	Biome	0
Q. 21	In the food relationship where the tiger eats the deer and the deer eats plants, which of the following condition is true?	M
Option 1	Tiger is the prey	0
Option 2	Deer is the prey	CORRECT OPTION
Option 3	Deer is predator	0
Option 4	Tiger is primary consumer	0
Q. 22	In which of the following form the waste products are not discharged into the biosphere	M
Option 1	Ionosphere	0
Option 2	Biosphere	CORRECT OPTION
Option 3	Lithosphere	0
Option 4	Mesosphere	0
Q. 23	The upper part of an aquatic ecosystem contains	M
Option 1	Plankton	CORRECT OPTION
Option 2	Hankton	0
Option 3	Nekton	0
Option 4	Benthos	0
Q. 24	The set of an ecosystem is called as	M
Option 1	structure	0
Option 2	climate	0
Option 3	subsystem	0
Option 4	Biome	CORRECT OPTION
Q. 25	Animals directly or indirectly depend for their food, protection & shelter on	M
Option 1	plants	CORRECT OPTION
Option 2	other animals	0
Option 3	microorganism	0
Option 4	water	0

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Department: All
Revision: R2016
Semester: 8
Subject: Entrepreneurship Development & Management (ILO8023)
Date of Examination: 2020-10-17

Q. 1	One of the disadvantages of a franchise business for a franchisee is,	M
Option 1	Lack of brand identity.	0
Option 2	Lack of training	0
Option 3	Lack of market availability	0
Option 4	Lack of independence.	CORRECT OPTION
Q. 2	The oldest form of business organization is,	M
Option 1	cooperative society	0
Option 2	sole proprietorship.	CORRECT OPTION
Option 3	public limited company	0
Option 4	joint stock company	0
Q. 3	Drone entrepreneurs are those who,	M
Option 1	immediately copy the new inventions made by the innovative entrepreneurs.	0
Option 2	are reluctant to change since they are very conservative and do not want to make any changes	CORRECT OPTION
Option 3	invent the new ideas, new products, new production methods or processes.	0
Option 4	do not initiate any inventions but follow only successful idea.	0
Q. 4	Which one of the following actions by an entrepreneur is most likely to contribute the creativity?	M
Option 1	Risk taking	0
Option 2	Job creation and employment	0
Option 3	Raising of finance	0
Option 4	New product development	CORRECT OPTION
Q. 5	Women Entrepreneurs who are trained through specialized programmes to set up their own enterprise are known as	M
Option 1	Chance Entrepreneurs	0
Option 2	Affluent Entrepreneurs	0
Option 3	Created Entrepreneurs	CORRECT OPTION
Option 4	Rural Entrepreneurs	0
Q. 6	Government has facilitated which of the following to provide financial assistance to women entrepreneurs	M
Option 1	Financial schemes	CORRECT OPTION
Option 2	Industrial estates	0
Option 3	Training institutes	0
Option 4	Financial Advisors	0
Q. 7	The social entrepreneurship module differs from an NGO in this manner	M
Option 1	Create a social benefit	0
Option 2	Solve social issues	0
Option 3	Set up to bring some change in society	0
Option 4	Raise funds through charity	CORRECT OPTION
Q. 8	Which of the following is a pull factor for women entrepreneurs?	M
Option 1	Financial Problems	0
Option 2	Death of a breadwinner	0

Option 3	Unfortunate family circumstances	0
Option 4	Urge to establish identity and gain economic independence	CORRECT OPTION
Q. 9	What facilitates the development of entrepreneurial skills at college and institute level?	M
Option 1	ECell	CORRECT OPTION
Option 2	NIESBUD	0
Option 3	FIWE	0
Option 4	SIDBI	0
Q. 10	The objective of Entrepreneurship Development programme is not to	M
Option 1	To strengthen entrepreneurial quality/ motivation	0
Option 2	To develop entrepreneurial culture	0
Option 3	To provide loans to budding entrepreneurs	CORRECT OPTION
Option 4	To accelerate the process of industrial and economic development	0
Q. 11	What is e-NAM?	M
Option 1	Electronic registry for documents	0
Option 2	Pan-India electronic trading portal which networks the existing APMC mandis to create a unified national market for agricultural commodities.	CORRECT OPTION
Option 3	Ecommerce website for FMCG	0
Option 4	Election portal of India	0
Q. 12	ABC is an enterprise is an enterprise where investment in plant and machinery does not exceed Rs. 25 lakh. What will you classify into?	M
Option 1	micro	CORRECT OPTION
Option 2	medium	0
Option 3	small	0
Option 4	large	0
Q. 13	SIDBI stands for	M
Option 1	Small and Intermediate Development Bank of India	0
Option 2	Samarth Indian Debit bank for Industries	0
Option 3	Small International Development Bank of India	0
Option 4	Small Industries Development Bank of India	CORRECT OPTION
Q. 14	Reverse logistics is required because	M
Option 1	cash flow	0
Option 2	Goods are defective	CORRECT OPTION
Option 3	by law	0
Option 4	increase efficiency	0
Q. 15	Which of the following is not a key aspect for the facilitation of the MSME Sector as announced under the support and outreach programme, launched by the Prime Minister of India?	M
Option 1	access to credit	0
Option 2	technology upgradation	0
Option 3	access to market	0
Option 4	tax incentives	CORRECT OPTION
Q. 16	What is not a Function of National Board for Micro, Small and Medium Enterprises	M
Option 1	Providing techno-economic and managerial consultancy	0
Option 2	Developing human resources through training and skill up gradation	0
Option 3	Advising the Government in policy formulation	0
Option 4	Provide loans to the enterprise	CORRECT OPTION
Q. 17	In production sector, a small enterprise is an enterprise where the investment in plant and machinery is more than Rs. 25 lakh but does not exceed _____	M
Option 1	Rs 10 crore	0
Option 2	Rs 2 crore	0

Option 3	Rs 5 crore	CORRECT OPTION
Option 4	Rs 3 crore	0
Q. 18	A _____ encompasses all activities associated with the flow and transformation of goods from the raw material stage, through to the end user, as well as the associated information flows	M
Option 1	production line	0
Option 2	marketing channel	0
Option 3	supply chain	CORRECT OPTION
Option 4	warehouse	0
Q. 19	Activity of Indian Trade promotion organization	M
Option 1	Finance SMEs	0
Option 2	Arrange Raw material	0
Option 3	Single window for all permissions	0
Option 4	Establishing durable contacts between Indian suppliers and overseas buyers.	CORRECT OPTION
Q. 20	What do OAS stand for?	M
Option 1	outcomes, advantage, and scope	0
Option 2	objective, advantage, and success	0
Option 3	objective, adventure, and scope	0
Option 4	objective, advantage, and scope	CORRECT OPTION
Q. 21	_____ is used to plan a project by defining each necessary step in it and estimating how long each will take.	M
Option 1	critical path method	CORRECT OPTION
Option 2	critical progression method	0
Option 3	critical strategic plan	0
Option 4	key success indicators	0
Q. 22	What is the is the process of selling subsidiary assets, investments, or divisions of a company in order to maximize the value of the parent company called	M
Option 1	Divestment	CORRECT OPTION
Option 2	Harvest	0
Option 3	investment	0
Option 4	consolation	0
Q. 23	The process of transferring leadership to the next generation is known as:	M
Option 1	community property.	0
Option 2	power sharing.	0
Option 3	succession	CORRECT OPTION
Option 4	natural division of responsibility.	0
Q. 24	Who is wilfull defaulter	M
Option 1	if the company has not met repayment obligations despite having the capacity to do so	CORRECT OPTION
Option 2	if the company has no money to repay obligations	0
Option 3	if the company has borrowed money from market to repay banks	0
Option 4	if the company has declared that it has no money to repay obligations	0
Q. 25	identify the false statement	M
Option 1	A takeover occurs when one company makes a successful bid to assume control of or acquire another.	0
Option 2	Takeovers are also commonly done through the merger and acquisition process.	0
Option 3	Takeover can be done through IPO	CORRECT OPTION
Option 4	Takeovers can be done by purchasing a majority stake in the target firm.	0

Online Examination, University of Mumbai

Department: Automobile
Revision: R2016
Semester: 8
Subject: Vehicle Safety (AEC803)
Date of Examination: 2020-10-13

Q. 1	Long-legged driver may face	M	
Option 1	Over steering errors		0
Option 2	Anthropometrically induced errors		CORRECT OPTION
Option 3	Judgmental errors		0
Option 4	Braking errors		0
Q. 2	The steering wheel became adjustable (telescoping up and down and tilting). This can minimise	M	
Option 1	Over steering errors		0
Option 2	Judgmental errors		0
Option 3	Braking errors		0
Option 4	Anthropometrically induced errors		CORRECT OPTION
Q. 3 is design that's usable by all people, to the greatest extent possible, without the need for adaptation or specialized design.	M	
Option 1	Alternative Design		0
Option 2	Redundancy		0
Option 3	System engineering		0
Option 4	Universal Design		CORRECT OPTION
Q. 4	A driver attempts to push one button on the instrument panel, hits another this can be categorized as which type of error	M	
Option 1	Braking errors		0
Option 2	Anthropometrically induced errors		CORRECT OPTION
Option 3	Language-induced errors		0
Option 4	Judgmental errors		0
Q. 5	The cargo load was supposed to be centered or slightly in front of the axle.	M	
Option 1	middle		0
Option 2	rear		CORRECT OPTION
Option 3	front		0
Option 4	engine		0
Q. 6	In some countries, buses were equipped with television cameras at the rear of the vehicles to minimize	M	
Option 1	language-induced human error		0
Option 2	Load placement errors		0
Option 3	Anthropometrically induced errors		0
Option 4	Backup errors		CORRECT OPTION
Q. 7	A high-precision test instrument used to measure human injury potential in vehicle crashes is a	M	
Option 1	Micrometre		0
Option 2	Sensor		0
Option 3	Anthropomorphic test device		CORRECT OPTION
Option 4	Accident Device		0
Q. 8	Injury rating system used for the assessments of injuries by vehicle occupants is expressed in	M	
Option 1	Accident Scale		0
Option 2	Brinell Scale		0
Option 3	Abbreviated Injury Scale		CORRECT OPTION

Option 4	Mohr' Scale		0
Q. 9	A test being conducted to establish the durability of the seat belt or timer of the airbag could be classified under.....tests.	M	
Option 1	Overall Testing		0
Option 2	Component test		CORRECT OPTION
Option 3	Sled test		0
Option 4	Full scale vehicle test		0
Q. 10	Simulate real world accidents and scenarios, study the effects on vehicle structure, study injury and potential risks are some of the objectives of.....	M	
Option 1	Hazard Evaluation		CORRECT OPTION
Option 2	Societal Evaluation		0
Option 3	Risk analysis		0
Option 4	Crash testing		0
Q. 11	Inflation system of an airbag works as a result of reaction betweenand	M	
Option 1	KNO ₃ and air		0
Option 2	O ₂ ,H ₂		0
Option 3	NaN ₃ ,KNO ₃		CORRECT OPTION
Option 4	O ₂ ,NaNO ₃		0
Q. 12	Pedestrian Protection Test Procedures make use of	M	
Option 1	legform impactor		0
Option 2	head and legform impactors		CORRECT OPTION
Option 3	headform impactor		0
Option 4	No impactors		0
Q. 13	Seat belt is a safety feature.	M	
Option 1	Rear		0
Option 2	Passive		CORRECT OPTION
Option 3	Side		0
Option 4	Active		0
Q. 14	The safest place for infants is in the back seat in an approved _____ infant car seat.	M	
Option 1	none of the above		0
Option 2	side facing		0
Option 3	front facing		0
Option 4	rear facing		CORRECT OPTION
Q. 15	What area of a car is designed to deform in a collision?	M	
Option 1	the doors		0
Option 2	the chassis		0
Option 3	the interior		0

Option 4	the crumble zone	CORRECT OPTION
Q. 16	KNO3 is	M
Option 1	sodium nitrate	0
Option 2	potassium nitrate	CORRECT OPTION
Option 3	sodium azide	0
Option 4	potassium azide	0
Q. 17	Tempered safety glass is how many times stronger than regular glass?	M
Option 1	three to five times	0
Option 2	one to three times	0
Option 3	the same	0
Option 4	five to ten times	CORRECT OPTION
Q. 18	Where is the Quasistatic seat test[QST] performed	M
Option 1	front seats	0
Option 2	rear seats	CORRECT OPTION
Option 3	co-passengers seat	0
Option 4	driver seat	0
Q. 19	When do anti-lock brakes begin to work	M
Option 1	Just as one or more wheels begin to lock	CORRECT OPTION
Option 2	On road surfaces with little grip	0
Option 3	Each time the brake pedal is pressed	0
Option 4	Only at higher speeds	0
Q. 20	A system which can automatically detect a potential forward collision and activate the vehicle braking system to decelerate the vehicle with the purpose of avoiding or mitigating a collision is known as	M
Option 1	collision avoidance system	0
Option 2	Electronic Stability Control	0
Option 3	Anti-lock braking system	0
Option 4	Advanced emergency braking system (AEBS)	CORRECT OPTION
Q. 21	Anti-lock brakes are of most use when	M
Option 1	Driving on highly worn tyres	0
Option 2	Braking normally	0
Option 3	Braking excessively	CORRECT OPTION
Option 4	Braking gently	0
Q. 22	ABS system can modulate the pressure to the brakes about ____ times per second	M
Option 1	10	0
Option 2	5	0
Option 3	15	CORRECT OPTION
Option 4	20	0
Q. 23	Anti-lock brakes are at their most effective when you	M
Option 1	Using the handbrake to reduce the stopping distance	0
Option 2	Brake normally, but grip the steering wheel tightly	0
Option 3	Continuously pump the foot brake to prevent skidding	0
Option 4	Apply constant and firm pressure to the foot brake until you have stopped	CORRECT OPTION
Q. 24	In Low tire pressure warning system location of pressure sensor is	M
Option 1	radiator	0
Option 2	Wheel	CORRECT OPTION
Option 3	Engine	0
Option 4	suspension	0
Q. 25	ESC can function on	M
Option 1	dry pavement	0
Option 2	tar road	0
Option 3	frozen lakes	0
Option 4	any surface.	CORRECT OPTION

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Department: Automobile
 Revision: R2016
 Semester: 8
 Subject: Vehicle Dynamics (AEC802)
 Date of Examination: 2020-10-10

Q. 1	The conjugate points in in dynamic system is called as	M
Option 1	Double conjugate points	0
Option 2	elastically conjugate points	0
Option 3	conjugate points	0
Option 4	Dynmaic Conjugate points	CORRECT OPTION
Q. 2	The distance of one double conjugate point is 0.806 m and square of radius of gyration is 1.218 m ² . The distance of other double conjugate point is	M
Option 1	0.9 m	0
Option 2	1.218 m	0
Option 3	1.511 m	CORRECT OPTION
Option 4	1.2 m	0
Q. 3	The deck lid spoiler	M
Option 1	donot effect vortices	0
Option 2	stabilized vortices	CORRECT OPTION
Option 3	initiates vortice formation	0
Option 4	un-stabilized vortices	0
Q. 4	The aerodynamic drag is produced when _____ layer will form due to friction	M
Option 1	seperation	0
Option 2	Turbulent	0
Option 3	laminar	0
Option 4	boundry	CORRECT OPTION
Q. 5	In four wheeled vehicle, the double conjugate points are	M
Option 1	drivers cabin	0
Option 2	front axle	0
Option 3	front and rear axle	CORRECT OPTION
Option 4	Rear axle	0
Q. 6	If one of the conjugate point is at mass center , then other point is at	M
Option 1	infinity	CORRECT OPTION
Option 2	spring center	0
Option 3	mass center only	0
Option 4	rear axle	0
Q. 7	Can shielding wheel and wheel well reduce protuberance drag?	M
Option 1	Unpredictable	0
Option 2	no	0
Option 3	Yes	CORRECT OPTION
Option 4	Irrelevant	0
Q. 8	The dynamic system can be replaced by two masses at a distances from same mass center (centre of gravity) as that of dynamic system and same _____	M
Option 1	moment of Inertia	CORRECT OPTION
Option 2	bounce center	0
Option 3	mass moment of Inertia	0
Option 4	pitch center	0

Q. 9	In the recirculating ball type steering gear the balls travel between the ball nut and the	M	
Option 1	Worm shaft	CORRECT OPTION	
Option 2	Worm wheel		0
Option 3	Steering wheel shaft		0
Option 4	Gear rack		0
Q. 10	The component that is responsible for converting the rotation of the steering wheel into lateral motion is the	M	
Option 1	Steering gearbox	CORRECT OPTION	
Option 2	Steering shaft		0
Option 3	Tie rod		0
Option 4	Steering wheel		0
Q. 11	If front axle is driving axle then it's effect on steering is	M	
Option 1	neutral steer		0
Option 2	center steer		0
Option 3	oversteer		0
Option 4	understeer	CORRECT OPTION	
Q. 12	The steering action is achived by _____ displacement of the relay linkage in the presence of arbitrary suspension motion.	M	
Option 1	lateral		0
Option 2	zero		0
Option 3	longitudinal		0
Option 4	translational	CORRECT OPTION	
Q. 13	In typical steering system the relay linkages transfer the steering action from _____ on the body of vehicle to steering arms on the wheels.	M	
Option 1	engine		0
Option 2	gearbox	CORRECT OPTION	
Option 3	axle		0
Option 4	differential		0
Q. 14	The included angle is the sum of	M	
Option 1	Caster and S.A.I		0
Option 2	Camber and caster		0
Option 3	Camber and toe-in		0
Option 4	Camber and S.A.I	CORRECT OPTION	
Q. 15	What is a condition called when the vehicle will try to move away from its normal direction and to keep it on the right path there is need to steer a little?	M	
Option 1	Oversteer		0
Option 2	Reversibility		0
Option 3	Understeer	CORRECT OPTION	
Option 4	Irreversibility		0
Q. 16	In vehicles with tilt steering, the steering column is pivoted in	M	

Option 1	Lower bracket	CORRECT OPTION
Option 2	Upper bracket	0
Option 3	Tilt bracket	0
Option 4	Steering yoke joint	0
Q. 17	In a hydraulic power steering system, the power steering pump is driven by a	M
Option 1	Belt driven by drive-shaft	0
Option 2	Belt driven by camshaft	0
Option 3	Belt driven by crankshaft	CORRECT OPTION
Option 4	Chain driven by crankshaft	0
Q. 18	A traction control system in Automobile controls the	M
Option 1	Vibration on steering wheel	0
Option 2	Torque that is transmitted by the tyres to the road surface	CORRECT OPTION
Option 3	Stopping distance in case of emergency	0
Option 4	Engine power during acceleration	0
Q. 19	In a control system an error detector	M
Option 1	Detects the error and signal out an alarm	0
Option 2	None of above	0
Option 3	Detects error of system	0
Option 4	Produces an error signal as the actual diff. of value and desired value of O/P.	CORRECT OPTION
Q. 20	The braking control type traction control system (TCS) generally operates in speed range of	M
Option 1	Less than 60 KMPH	0
Option 2	Less than 40 KMPH	CORRECT OPTION
Option 3	Less than 20 KMPH	0
Option 4	More than 60 KMPH	0
Q. 21	This sensor will retard engine timing if its senses detonation	M
Option 1	Knock Sensor	CORRECT OPTION
Option 2	MAF	0
Option 3	None of above	0
Option 4	ECT	0
Q. 22	The sensor used to measure tendency to roll is called as	M
Option 1	roll steer sensor	0
Option 2	height sensor	0
Option 3	Yaw detection gyroscope	CORRECT OPTION
Option 4	longitudinal accelerometer	0
Q. 23	Using CTIS in tyre the life of truck, tyre and drive train life-----	M
Option 1	increase	CORRECT OPTION
Option 2	decrease	0
Option 3	remains constant	0
Option 4	finishes	0
Q. 24	Where was first CTIS used	M
Option 1	TATA trucks	0
Option 2	jeep trucks	0
Option 3	ford trucks	0
Option 4	American DUKW trucks	CORRECT OPTION
Q. 25	What is the main brain of system	M
Option 1	ECU	CORRECT OPTION
Option 2	operator control panel	0
Option 3	Pneumatic control system	0
Option 4	valves	0

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Department:	Automobile	
Revision:	R2016	
Semester:	8	
Subject:	Vehicle Maintenance (AEC801)	
Date of Examination:	2020-10-08	
Q. 1	Changing of oil filter comes under,	M
Option 1	Preventive Maintenance	CORRECT OPTION
Option 2	Breakdown Maintenance	0
Option 3	Routine Maintenance	0
Option 4	All of the above	0
Q. 2	What routine service procedure could result in lower fuel economy, which the owner may discover?	M
Option 1	Replacing tires	0
Option 2	Replacing the air filter	0
Option 3	Either a or b	0
Option 4	Using the wrong viscosity engine oil	CORRECT OPTION
Q. 3	An engine is overheating and has white smoke coming from the tail pipe. The cooling system is pressure tested and will not hold pressure. This could be caused by	M
Option 1	a restricted piston oil nozzle.	0
Option 2	a stuck-open thermostat.	0
Option 3	a blown head gasket.	CORRECT OPTION
Option 4	an incorrect PCV valve.	0
Q. 4	The proper relationship between intake and exhaust valve diameter is _____.	M
Option 1	Exhaust valve size is 85 Percent of intake valve size	CORRECT OPTION
Option 2	Intake valve size is 45 Percent of exhaust valve size	0
Option 3	Intake valve size is 85 Percent of exhaust valve size	0
Option 4	Exhaust valve size is 38 Percent of intake valve size	0
Q. 5	In which type of dust filter used in engine is the air swept over or through the pool of oil?	M
Option 1	Dry-type	0
Option 2	Soot blower	0
Option 3	Bessel filter	0
Option 4	Oil bath type	CORRECT OPTION
Q. 6	What does the blue smoke in diesel engine indicate?	M
Option 1	CO and CO ₂	0
Option 2	Unburnt Hydrocarbon	0
Option 3	Nox	0
Option 4	Unburnt Oil	CORRECT OPTION
Q. 7	Which of these could cause an exhaust manifold gasket to fail?	M
Option 1	Restricted Exhaust system	CORRECT OPTION
Option 2	The failed air pump	0
Option 3	Inoperative converter	0
Option 4	Failed EGR valve	0
Q. 8	OBD stands for	M

Option 1	On Board Diagnostics	CORRECT OPTION	
Option 2	On board Dialysis		0
Option 3	Over Board Diagnostics		0
Option 4	On board Dialling		0
Q. 9	On Board Daigonistic system can moniter only-	M	
Option 1	Ignition system condition		0
Option 2	Exhaust System Condition		0
Option 3	Operation of System	CORRECT OPTION	
Option 4	Hose and tube routing		0
Q. 10	Front seat shoulder belts that move into position automatically after closing the door because of-	M	
Option 1	Lap belt		0
Option 2	Motorized seat belts	CORRECT OPTION	
Option 3	Bowed Webbing		0
Option 4	Pretensioners		0
Q. 11	The ____ consists of a series of baffles, chambers, tubes, and holes to break up, cancel out, and silence pressure pulsations. Two types commonly used are the reverse-flow and the straight-through	M	
Option 1	Muffler	CORRECT OPTION	
Option 2	Turbo charger		0
Option 3	EGR		0
Option 4	Catalytic converter		0
Q. 12	Which of the following is the LEAST likely cause of a dim headlight?	M	
Option 1	Headlight connector corroded		0
Option 2	Low alternator output	CORRECT OPTION	
Option 3	Damaged or broken headlight assembly		0
Option 4	High resistance in the headlight wiring		0
Q. 13	When the battery is half (50 percent) charged the S.G.of acid in battrery is	M	
Option 1	1.19	CORRECT OPTION	
Option 2	1		0
Option 3	0.74		0
Option 4	1.12		0
Q. 14	How many cells are used in a 12V car battery?	M	
Option 1	6	CORRECT OPTION	
Option 2	4		0
Option 3	2		0
Option 4	8		0
Q. 15	The capacity of the battery is usually expressed in terms of?	M	
Option 1	Volts		0
Option 2	Ampere-hours	CORRECT OPTION	
Option 3	Weight		0
Option 4	Ampere		0
Q. 16	Prevention of ice clogging small holes on windshield in cold weather is done by,	M	
Option 1	heated windsheild washer nozzles	CORRECT OPTION	
Option 2	headlight windshield wiper and washer		0
Option 3	Intermittent windsheild wiper		0

Option 4	windsheild wiper		0
Q. 17	A typical oil pump is what type of pump?	M	
Option 1	Centrifugal		0
Option 2	Piston-type		0
Option 3	Positive displacement	CORRECT OPTION	
Option 4	Hydraulically driven		0
Q. 18	Which feature prevents the window from closing if the system detects something, such as fingers, that are between the window glass and window frame.	M	
Option 1	Express windows		0
Option 2	Obstacle-Sensing Windows	CORRECT OPTION	
Option 3	Power windows		0
Option 4	Smart windows		0
Q. 19	Glow plugs should have high resistance when _____ and lower resistance when	M	
Option 1	Warm/cold	CORRECT OPTION	
Option 2	Cold/warm		0
Option 3	Wet/dry		0
Option 4	Dry/wet		0
Q. 20	_____ is a term used for the gases that escape the combustion chamber and enter the crankcase.	M	
Option 1	Exhaust		0
Option 2	Intake		0
Option 3	Suction		0
Option 4	Blowby	CORRECT OPTION	
Q. 21	A radiator cap is designed to	M	
Option 1	last indefinitely		0
Option 2	keep water from sloshing out of the radiator		0
Option 3	keep the cooling system operating at a specified pressure	CORRECT OPTION	
Option 4	To stop the flow due to pressure loss		0
Q. 22	If thermostat sticks is closed then the engine will	M	
Option 1	idle roughly		0
Option 2	overheat	CORRECT OPTION	
Option 3	warm up slowly		0
Option 4	fail to start		0
Q. 23	The heat trasfer from coolant to air in the radiator of an automobile engine takes place by	M	
Option 1	Radiation only		0
Option 2	Convection Only		0
Option 3	Convection & radiation	CORRECT OPTION	
Option 4	Conduction, Convection & radiation		0
Q. 24	Which is not a cause of engine overheating	M	
Option 1	Faulty tires	CORRECT OPTION	
Option 2	Restricted exhaust		0
Option 3	Faulty radiator cap		0
Option 4	Leakeage of coolant		0
Q. 25	Causes for combustion noise with excessive black smoke are ,except -	M	
Option 1	Internal engine problems		0
Option 2	leakage in fuel delivery system	CORRECT OPTION	
Option 3	Injection pump trouble		0
Option 4	nozzle sticking open		0