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Roll No:

BVOC

(SEM I) THEORY EXAMINATION 2021-22

MOTOR VEHICLE TECHNOLOGY –I

Time: 3 Hours

Notes:

- Attempt all Sections and Assume any missing data.
- Appropriate marks are allotted to each question, answer accordingly.

SECI	ION-A	Attempt All of the following Questions in brief	Marks (6X1=6)
Q1(a)	What is f	ront and rear overhang?	
Q1(b)	What are	the functions of clutch?	
		Clutch pedal free play?	
	What is g		
		TO shaft in a tractor?	
Q1(f)		he final drive ratio?	
	_ _		
SECT	TION-B	Attempt ANY THREE of the following Questions	Marks (3X3=9)
Q2(a)	What are	the main components of automobile and their description?	
Q2(b)	Write Sho	ort Notes on any two of the following:	
	i) Fluid C	• •	
	ii) Univer	rsal joints	
	iii) Kerb		
Q2(c)		he tractor transmission system.	Č,
		he principle of epicyclic gearbox? States its advantages.	0.
		ubeless tyre? What are its advantages?	.09
	•		<u> </u>
	TION-C	Attempt ANY ONE following Question	Marks (1 X3=3)
	-	he front wheel drive and also state its advantages and disadvan	tages.
Q3(b)	Explain the	he construction of Maruti car chassis.	
SECT	TION-C	Attempt ANY ONE following Question	Marks (1X3=3)
		the common causes of troubles in clutch systems? Discuss its i	
		er and inner diameters of a single plate clutch are 300 i	
Q+ (U)			
	respective	ely. The Both sides of the clutch are effective. The maximum	n pressure intensity
	respective should n	ely. The Both sides of the clutch are effective. The maximum of be more than $0.1.N / mm^2$. Find the power transmitted	n pressure intensity
	respective should n	ely. The Both sides of the clutch are effective. The maximum	n pressure intensity
	respective should n	ely. The Both sides of the clutch are effective. The maximum ot be more than 0.1.N /mm ² . Find the power transmitted at of friction is 0.3.	n pressure intensity 1 at 2500 rpm, If
SECT	respective should n coefficier	ely. The Both sides of the clutch are effective. The maximum ot be more than 0.1.N /mm ² . Find the power transmitted at of friction is 0.3.	n pressure intensity
SECT Q5(a)	respective should n coefficier TION-C Explain t	ely. The Both sides of the clutch are effective. The maximum ot be more than 0.1.N /mm ² . Find the power transmitted at of friction is 0.3. Attempt ANY ONE following Question he working and construction of synchromesh gear box.	n pressure intensity 1 at 2500 rpm, If
SECT Q5(a) Q5(b)	respective should n coefficier TION-C Explain th What is to	ely. The Both sides of the clutch are effective. The maximum ot be more than 0.1.N /mm². Find the power transmitted int of friction is 0.3. Attempt ANY ONE following Question he working and construction of synchromesh gear box. orque converter? Draw a neat sketch.	n pressure intensity 1 at 2500 rpm, If
SECT Q5(a) Q5(b)	respective should n coefficier TION-C Explain t	ely. The Both sides of the clutch are effective. The maximum ot be more than 0.1.N /mm ² . Find the power transmitted at of friction is 0.3. Attempt ANY ONE following Question he working and construction of synchromesh gear box.	n pressure intensity 1 at 2500 rpm, If
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SECT Q5(a) Q5(b) SECT Q6(a)	respective should n coefficier ION-C Explain th What is to ION-C What are	ely. The Both sides of the clutch are effective. The maximum ot be more than 0.1.N /mm². Find the power transmitted int of friction is 0.3. Attempt ANY ONE following Question he working and construction of synchromesh gear box. orque converter? Draw a neat sketch. Attempt ANY ONE following Question	h pressure intensity l at 2500 rpm, If Marks (1X3=3) Marks (1X3=3) rque tube drive.
SECT Q5(a) Q5(b) SECT Q6(a)	respective should n coefficier ION-C Explain th What is to ION-C What are	ely. The Both sides of the clutch are effective. The maximum ot be more than 0.1.N /mm². Find the power transmitted int of friction is 0.3. Attempt ANY ONE following Question he working and construction of synchromesh gear box. orque converter? Draw a neat sketch. Attempt ANY ONE following Question the functions of a Hotchkiss drive? Compare its merits with to	h pressure intensity l at 2500 rpm, If Marks (1X3=3) Marks (1X3=3) rque tube drive.
SECT Q5(a) Q5(b) SECT Q6(a) Q6(b)	respective should n coefficier TON-C Explain th What is to TON-C What are Write the axle?	ely. The Both sides of the clutch are effective. The maximum ot be more than 0.1.N /mm². Find the power transmitted at of friction is 0.3. Attempt ANY ONE following Question he working and construction of synchromesh gear box. orque converter? Draw a neat sketch. Attempt ANY ONE following Question the functions of a Hotchkiss drive? Compare its merits with to difference between semi-floating, three-quarter floating axle a	h pressure intensity l at 2500 rpm, If Marks (1X3=3) Marks (1X3=3) rque tube drive. Ind fully floating
SECT Q5(a) Q5(b) SECT Q6(a) Q6(b) SECT	respective should n coefficier FION-C Explain th What is to FION-C What are Write the axle?	ely. The Both sides of the clutch are effective. The maximum ot be more than 0.1.N /mm². Find the power transmitted int of friction is 0.3. Attempt ANY ONE following Question he working and construction of synchromesh gear box. orque converter? Draw a neat sketch. Attempt ANY ONE following Question the functions of a Hotchkiss drive? Compare its merits with to difference between semi-floating, three-quarter floating axle a Attempt ANY ONE following Question	h pressure intensity l at 2500 rpm, If Marks (1X3=3) Marks (1X3=3) rque tube drive. Ind fully floating Marks (1X3=3)
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SECT Q5(a) Q5(b) SECT Q6(a) Q6(b) SECT Q7(a)	respective should n coefficier ION-C Explain th What is to ION-C What are Write the axle? ION-C What is w high spee	ely. The Both sides of the clutch are effective. The maximum ot be more than 0.1.N /mm². Find the power transmitted int of friction is 0.3. Attempt ANY ONE following Question he working and construction of synchromesh gear box. orque converter? Draw a neat sketch. Attempt ANY ONE following Question the functions of a Hotchkiss drive? Compare its merits with to difference between semi-floating, three-quarter floating axle a Attempt ANY ONE following Question the functions of a Hotchkiss drive? Compare its merits with to difference between semi-floating, three-quarter floating axle a Attempt ANY ONE following Question	h pressure intensity l at 2500 rpm, If Marks (1X3=3) Marks (1X3=3) rque tube drive. Ind fully floating Marks (1X3=3) on the vehicle at



Total Marks: 30

Subject Code: BAMV511