

Roll No:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

B.VOC
(SEM III) THEORY EXAMINATION 2021-22
AUTOMOBILE DRAWING & DESIGN

Time: 3 Hours**Total Marks: 30****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief.**1 x 6 = 6**

Qno.	Question	Marks
a.	Define Injector.	1
b.	Define Spark Plug.	1
c.	State the benefits of Cooling System.	1
d.	Define CRDI System.	1
e.	Define Universal Joint.	1
f.	Define Flywheel.	1

SECTION B

2. Attempt any three of the following:**3 x 3 = 9**

Qno.	Question	Marks
a.	Write a short note on Connecting Rod Assembly.	3
b.	Explain Block Diagram Of Electronic Fuel Injection System.	3
c.	What do you understand Air Hydraulic Braking System? Explain.	3
d.	Draw Block Diagram Of Common Rail Direct Injection System.	3
e.	Draw Sectional View Of Universal Joint.	3

SECTION C

3. Attempt any one part of the following:**1 x 3 = 3**

Qno.	Question	Marks
a.	Sketch Layout Of Electrical Workshop.	3
b.	Draw Sectional View Of Wheel Cylinder	3

4. Attempt any one part of the following:**1 x 3 = 3**

Qno.	Question	Marks
a.	Draw Free Hand Line Diagram Of Steering System Of Maruti.	3
b.	Sketch Layout Of Depot.	3

5. Attempt any one part of the following:**1 x 3 = 3**

Qno.	Question	Marks
a.	Draw the Design Of Piston Assembly of an Automobile Engine.	3
b.	Draw the Design Of Crank Shaft of an Automobile Engine.	3

6. Attempt any one part of the following:**1 x 3 = 3**

Qno.	Question	Marks
a.	Draw Free Hand Block Diagram Of Fuel System Of Petrol Engine.	3
b.	Draw Sectional View Of Master Cylinder.	3

7. Attempt any one part of the following:**1 x 3 = 3**

Qno.	Question	Marks
a.	Sketch Layout Of F.I. pump reconditioning shop.	3
b.	Draw Free Hand Block Diagram Of Electronic Fuel Injection (EFI) System.	3