

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
Diploma Engineering, Mid semester Examination

Semester: 3rd

Date: (05/08/2022)

Subject Code: (03612201)

Time: (1hr: 30min)

Subject Name: (Automobile Engine)

Total Marks: 40

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version is considered to be Authentic.

Q.1 Answer any six out of Ten. (2 Marks Each) (12)

1. What is stroke?
2. Give functions of flywheel.
3. Give name of four stroke of engine.
4. Draw and label the main parts of connecting rod.
5. What is clearance volume ?
6. Give function of piston pin.
7. What is the important of connecting rod ?
8. Which material is used for piston pin ?
9. What is the function of piston ring ?
10. What is the importance of valves ?

Q.2 A) Short Note- Engine Head (03)

OR

A) Short Note- Engine Block (03)

B) Give the Material and Manufacturing process of 1. Crank shaft 2. Piston (03)

OR

B) Write down functions of oil scraper ring (03)

C) Write down any ten parts of IC engine. (04)

OR

C) Define 1. Compression Ratio 2. Swept Volume (04)

D) Define 1. BHP 2. FHP (04)

Q.3 A) What are the benefits of Four stroke engine over two stroke engines? (03)

OR

A) Draw the diagram of two stroke petrol engine. (03)

B) Explain working of four stroke petrol engine. (03)

OR

B) Explain working of Two stroke Petrol engine. (03)

C) Explain working of four stroke diesel Engine. (04)

OR

C) What is scavenging process in two stroke engine ? (04)

D) Give the differences between Petrol and Diesel engine. (04)

ગુજરાતી

પ્રશ્ન.૧	દસમાંથી કોઈપણ છ જવાબ આપો. (દરેક માટે ૨ ગુણ)	(૧૮)
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	બ) _____ .	(૦૩)
	C) IC _____ .	(૦૪)

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