Maharashtra Board

Question Paper 2023

Class 12



HSC

QUESTION PAPER

Presented By

AGLASEM.COM

DAY - 16 SEAT NUMBER

2023	III	14	1100	V – 527	(E)

SCOOTER AND MOTORCYCLE SERVICING
PAPER - I (A-3)

Time : 2½ Hours	3 Pages	Max. Marks : 40

Instructions : *(1) Attempt all questions.*

(2) Figures to the right indicate full marks.

(3) Draw neat and labelled diagram if necessary.

1. Fill in the blanks with the correct word from the given below : **(Any Four)** 4

(a) _____ is largely used flame in gas welding process.

(i) Neutral Flame

(ii) Oxidizing Flame

(iii) Carburizing Flame

(b) Pitch diameter of thread, are checked by _____ .

(i) Snap gauge.

(ii) Thread gauge

(iii) Slip gauge

(c) To check the tyre air pressure _____ is used.

(i) Compressor gauge

(ii) Vacuum gauge

(iii) Pressure gauge

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(d) For holding twist drill in drilling machine _____ is used.

(i) Chuck

(ii) Vice

(iii) Plier

(e) For chipping grooves _____ chisel is used.

(i) Flat

(ii) Round

(iii) Diamond Point

(f) _____ is used as a first tap in taping process.

(i) Taper Tap

(ii) Intermediate Tap

(iii) Plug Tap 6

2. Attempt any two of the following :

(a) Explain construction and use of adjustable wrench.

(b) Write procedure of verticle welding.

(c) Explain construction and use of 'Try Square'. 6

3. Attempt any two of the following :

(a) Why flutes are provided on twist drills ?

(b) Describe 'Leg Vice'.

(c) What are the precautions to be observed during chipping operation ? 6

4. Write short notes on any three of following :

(a) Philips screw driver

(b) Feeler gauge

(c) Allen key

(d) Mallet

(e) Hydrometer

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5. Attempt **any two** of the following : 6

(a) Describe Single Cut and Double Cut File.

(b) Differentiate between Soldering and Brazing.

(c) Describe 'Screw Pitch Gauge'.

6. Attempt **any two** of the following : 12

(a) What are the safety precautions to be observed related to Workers, Machine and Tools ?

(b) Explain any one fusion welding in details.

(c) Explain the filing methods in details.

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