

Skill Olympiad Question paper

Auto technology

Institute Level:

Q1. Remove one piston assembly from the given petrol engine, measure taper and ovality, reassemble, adjust valve clearance, start and tune the engine.

❖ Tools and Equipments required:

Sl. no.	Name	Quantity	Remarks
1.	Ring spanner (6mm-32mm)	1 set	---
2.	Double end spanner (6mm-32mm)	1 set	---
3.	Box spanner (6mm-32mm)	1 set	---
4.	Circlip pliers	1set	---
5.	Nose pliers (15cm)	1 no.	---
6.	Soft hammer	1 no.	---
7.	Screw driver (100mm-250mm)	1set	---
8.	Scraper (15cm)	1 no.	---
9.	Combination pliers (20cm)	1 no	---
10.	Copper drift	1 no.	---
11.	Torque wrench	1 no.	---
12.	Feeler gauge (20 blades)	1 set	---
13.	Piston ring compressor	1 set	---
14.	Piston ring expander	1 set	---
15	Spark Lighter	1no	

❖ Consumables required:

- a. Petrol
- b. Kerosene
- c. Piston ring set
- d. Gasket kit
- e. Baniyan waste
- f. Engine oil

❖ **Engine with engine mounting stand(working condition) – 3Nos**

