

THE KENYA NATIONAL EXAMINATIONS COUNCIL
Kenya Certificate of Secondary Education

447/2
Inst. Sch.

— **POWER MECHANICS** — **Paper 2**
(PRACTICAL INSTRUCTIONS)

Apr. 2021



INSTRUCTIONS TO SCHOOLS

1. The quantities indicated are for 10 candidates doing the examination at the same time **or** 20 candidates in two sessions. For more or less candidates, the quantities may be adjusted accordingly.
2. The centres **must** ensure that **all** the materials, tools and equipment are readily available before arrival of the examiner.
3. Candidates are expected to use the same tools, equipment and materials they have used during training. New and unfamiliar tools, materials or equipment may have negative effects.
4. Centres are reminded that candidates will lose marks if they fail to complete the examination due to lack of specified materials, tools or equipment.
5. All the engine parts unless specified are from a single cylinder engine.
6. Schools are expected to have standard tools in a normal workshop setup as per tools and equipment list in the syllabus.

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These instructions consist of 2 printed pages.



	Specifications	Quantity
1.	HB and 2H pencils	1
2.	Eraser	1
3.	Drawing board	1
4.	Sheet metal gauge 26:110 × 115 mm	1 piece per candidate
5.	Drilling bit Ø 3 mm	5
6.	Drilling machine	1
7.	Scriber	2
8.	Centre punch	2
9.	Steel rule	2
10.	Bench vice/ Anvil	2
11.	Solder 40/60	1 roll
12.	Soldering bit	1
13.	Tin snips	1
14.	Set of files	1 set
15.	Complete Single cylinder engine	2
16.	Horn	1
17.	Horn relay	1
18.	Multi-cylinder head	1
19.	Differential unit	1
20.	Grease	1 can
21.	Engineers blue	3
22.	Dial gauge	1
23.	Brake fluid	2 litres
24.	Lapping paste	2
25.	Stud extractor	1
26.	Pipe Wrench	1
27.	Diesel	1 litre
28.	Vernier calliper	2
29.	Micrometer	2
30.	Complete gas welding equipment	1 set

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