

ELECTRONICS SG

It would appear that the candidates did not experience any problems with time allocation. However, the question paper was poorly answered. Candidates had very little understanding of the basic electrical principles. This was quite evident in the manner in which they interpreted questions and manipulated given information. These problems were even further compounded by the fact that the candidates did not read the questions carefully.

Candidates must pay special attention to the drawing of circuit diagrams/sketches and labeling them. Questions should be read carefully before they are answered. Candidates must be taught to be neat and they should be made aware of the importance of setting out their answers properly by utilizing the most of the answer script.

The following sections of the work were not covered adequately:

- (a) Semiconductors
- (b) Electronic apparatus
- (c) Switching and control circuits
- (d) Computer systems
- (e) Oscillators

The following sections need more attention and thorough revision:

- (a) Transistor Amplifiers
- (b) Single and three-phase AC circuits/systems

The standard of teaching in this subject **MUST** be improved and I recommend the following:

- (a) Educators must attend workshops run by the curriculum advisor.
- (b) The curriculum advisor must monitor what happens at the lower grades (9, 10, 11).
- (c) The curriculum advisor must receive a copy of the final paper (and other exams) and memorandum for these grades.
- (d) Educators must ensure that the syllabus is completed and, where necessary, give extra lessons.
- (e) Educators must read/consult more widely with respect to their subject matter.

ELEKTRONIKA SG

Dit wil voorkom asof die kandidate geen probleme met tyd gehad het nie maar nogtans is die vraestel swak beantwoord. Kandidate toon min begrip van die basiese elektriese beginsels. Dit blyk duidelik uit die manier waarop die vrae geïnterpreteer word en informasie gemanipuleer word. Hierdie probleme blyk duidelik waar kandidate vrae nie sorgvuldig lees nie.

Kandidate moet meer aandag skenk aan die teken van die kringdiagramme/sketse asook die benoeming daarvan. Vrae moet sorgvuldig gelees word voor dit beantwoord word. Studente moet geleer word om netjies te wees en moet bewus wees van hoe belangrik dit is om hulle antwoorde behoorlik uit te lê.

Van die boonste kan afgelei word dat die volgende hoofstukke van die werk nie volledig gedoen is nie:

- (a) Transistorversterkers
- (b) Elektroniese aparate
- (c) Skakeling en beheerkringe
- (d) Rekenaarbeginsels

Die volgende hoofstukke moet meer aandag en hersiening kry:

- (a) Halfgeleierteorie
- (b) Enkel- en driefase ws-kringe/stelsels

Die gehalte van onderrig van hierdie vak MOET verbeter en ek stel voor dat:

- (a) onderwysers werkwinkels wat deur die vakadviseer gehou word, bywoon.
- (b) die vakadviseer monitor wat in die laer grade (9, 10, 11) gebeur.
- (c) die vakadviseer afdrukke van die eind- (en ander) eksamens ontvang.
- (d) onderwysers verseker dat die sillabus voltooi word en waar nodig, ekstra klasse aanbied.
- (e) onderwysers wyer moet lees oor die vak.