

Auto Multiple Choice - Bug # 602: Problems While printing

Status:	Closed	Priority:	Immediate
Author:	Drishya Dahal	Category:	
Created:	10/25/2018	Assignee:	
Updated:	02/08/2021	Due date:	10/27/2018
Description:	The exam I am trying to print has images. Whenever I view the document from AMC, it looks fine but I am having problems after printing it. When I send the document through the printer the two dots in the bottom corners get cut off, which does not let me scan the document later. I have tested other documents with the printer and it seems to be working fine. Please help.		

History

10/25/2018 02:47 am - Drishya Dahal

The above pdf is the generated exam**

The actual code is attached here.

```
\documentclass[a4paper]{article}
```

```
\usepackage[utf8x]{inputenc}
```

```
\usepackage[T1]{fontenc}
```

```
\usepackage[box,completemulti]{automultiplechoice}
```

```
\begin{document}
```

%%% preparation of the groups

```
\element{Part1}{
```

```
  \begin{question}{Q1}
```

Two capacitors of values $2 \mu F$ each as connected in series. The equivalent capacitance in μF is

```
  \begin{choices}
```

```
    \correctchoice{1}
```

```
    \wrongchoice{0.5}
```

```
    \wrongchoice{2}
```

```
    \wrongchoice{4}
```

```
  \wrongchoice{8}
```

```
  \end{choices}
```

```
  \end{question}
```

```
}
```

```
\element{Part1}{
```

```
  \begin{question}{Q2}
```

A resistor has a value of $50 M \Omega$. The second band is black. The third band will be

```
  \begin{choices}
```

```
    \correctchoice{Blue}
```

```
    \wrongchoice{Orange}
```

```
    \wrongchoice{Voilet}
```

```
  \wrongchoice{Red}
```

```
  \end{choices}
```

```
  \end{question}
```

```
}
```

```
\element{Part1}{
```

```
  \begin{question}{Q3}
```

A voltage source $V = 10 V$, resistors R_1 and $R_2 = 20 \Omega$ are in all series. If the voltage drop across the R_1 resistor is $2.5 V$ then

R_1 in Ω is

```
\begin{choiceshoriz}
%\begin{choices}
\wrongchoice{3.33}
\wrongchoice{5}
\wrongchoice{7.5}
\wrongchoice{10}
\correctchoice{6.67}
\end{choiceshoriz}
\end{question}
}
```

```
\element{Part1}{
```

```
\begin{question}{Q4}
```

A voltage source V_s is connected in series with two resistors $R_1=1\ \Omega$ and $R_2=2\ \Omega$. If voltage drop across R_1 is 1 V then V_s in V is

```
\begin{choices}
\correctchoice{3}
\wrongchoice{12}
\wrongchoice{1.2}
\wrongchoice{8}
\wrongchoice{0}
```

```
\end{choices}
\end{question}
}
```

```
\element{Part1}{
```

```
\begin{question}{Q5}
```

For the waveform $y(t) = 10 \sin(\pi t) + 5 \cos(\pi t)$, the DC offset is

```
\begin{choices}
\correctchoice{-5}
\wrongchoice{12}
\wrongchoice{15}
\wrongchoice{11}
\wrongchoice{0}
```

```
\end{choices}
\end{question}
}
```

```
\element{Part1}{
```

```
\begin{question}{Q6}
```

Consider two resistances, $R_1 = 5\ \Omega$ and $R_2 = 10\ \Omega$. The two resistors when connected in series, have an effective resistance R_{series} and when connected in parallel, have an effective resistance R_{parallel} . Indicate all true statements.

```
\begin{choices}
\correctchoice{Two options are true}
\wrongchoice{ $R_{\text{series}} > R_1$ }
\wrongchoice{ $R_2 > R_{\text{parallel}}$ }
\wrongchoice{ $R_{\text{parallel}} > R_{\text{series}}$ }
```

\wrongchoice{Three options are true}

\end{choices}

\end{question}

}

\element{Part1}{

\begin{question}{Q7}

Consider the breadboard below. Indicate the true statement

\begin{choices}

\correctchoice{Two options are true}

\wrongchoice{Holes shown by the blue vertical box denoted by a are all connected}

\wrongchoice{Holes shown by the red dashed line denoted by b are all connected}

\wrongchoice{Holes shown by the pink vertical line denoted by c are all connected }

\wrongchoice{Three options are true}

\end{choices}

\begin{minipage}{0.5\textwidth}

\includegraphics[width=0.75\textwidth]{breadboard.pdf}

\end{minipage}

\end{question}

}

\element{Part1}{

\begin{question}{Q8}

In the circuit shown if $V_a=10\text{ V}$ and $V_b=5\text{ V}$ then V_{out} in V equals

\begin{choices}

\correctchoice{Two options are true}

\wrongchoice{\math{R}_{\text{series}} > R_1}

\wrongchoice{\math{R}_2 > R_{\text{parallel}}}

\wrongchoice{\math{R}_{\text{parallel}} > R_{\text{series}}}

\wrongchoice{Three options are true}

\end{choices}

\begin{minipage}{0.5\textwidth}

\includegraphics[width=0.75\textwidth]{resistor_circuit1.png}

\end{minipage}

\end{question}

}

\element{Part1}{

\begin{question}{Q9}

A Light Emitting Diode (LED) is connected in series with a resistor of $100\ \Omega$ and a battery of 5 V . The LED is forward-biased in the circuit with a voltage drop of 1 V . The current flowing in the circuit in A is

\begin{choices}

\correctchoice{0.04}

\wrongchoice{0.02}

\wrongchoice{0.05 }

\wrongchoice{0.1}

\wrongchoice{None of these options are true}

\end{choices}

\end{question}

}

\element{Part1}{

\begin{question}{Q10}

For the LM 7815 voltage regulator, the output voltage in V is

\begin{choices}

\correctchoice{15}

\wrongchoice{5}

\wrongchoice{7}

\wrongchoice{8}

\wrongchoice{None of these options are true}

\end{choices}

\end{question}

}

\element{Part1}{

\begin{question}{Q11}

Which of the following is NOT necessarily true for a bipolar junction transistor

\begin{choices}

\correctchoice{ $I_C = \beta I_B$ }

\wrongchoice{ $I_E = I_C + I_B$ }

\wrongchoice{ $V_{BE} = V_B - V_E$ }

\wrongchoice{ $V_{CE} = V_C - V_E$ }

\wrongchoice{All are true}

\end{choices}

\end{question}

}

%%% copies

\onecopy{6}{

%%% beginning of the test sheet header:

\noindent{\bf AMC \hfill TEST}

\vspace*{.5cm}

\begin{center}

{

\Large ME 4543: Mechatronics}

{\Department of Mechanical Engineering\Mock Exam\}

\end{center}

{

\begin{center}\em

Useful information:

\end{center}

(1) There are 4 questions.

(2) Each question has only 1 correct answer. Each question is worth 1 point and there is no negative marking.

(3) Cellphones, laptops, tablets and other electronics except calculators should be shut down. Only calculators are allowed.

(4) Darken the appropriate box next to the options entirely. Your answers will be graded by a computer so it is important that you darken the bubble entirely and do not write anything near the bubbles or options.

NOTE: The actual exam will have 20 questions worth 20 points.

```
\  
}
```

```
\namefield{\fbox{  
  \begin{minipage}{.5\linewidth}  
    Firstname and Lastname:  
  
    \vspace*{.5cm}\dotfill  
    \vspace*{1mm}  
  \end{minipage}  
}}
```

```
%\begin{minipage}{.4\linewidth}  
  %\centering\large\bf Mechatronics\ Examination on Jan. 1st, 2008  
%\end{minipage}  
%% end of the header
```

```
\begin{center}  
  \hrule\vspace{2mm}  
  \bf\Large Part 1  
  \vspace{1mm}\hrule  
\end{center}
```

```
\shufflegroup{Part1}  
\insertgroup{Part1}
```

```
%%\begin{center}  
%%\hrule\vspace{2mm}  
%%\bf\Large Part 2  
%%\vspace{2mm}\hrule  
%%\end{center}
```

```
%\shufflegroup{Mechatronics}  
%\insertgroup{Mechatronics}
```

```
\clearpage
```

```
}
```

```
\end{document}
```

11/03/2018 03:01 pm - Frédéric Bréal

Just a lead : with adobe reader, try to use the option Shrink to printable aera

02/08/2021 11:10 am - Alexis Bienvenüe

- Status changed from New to Closed

- % Done changed from 0 to 100

Files

Oct23.pdf	354.6 kB	10/25/2018	Drishya Dahal
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