

# Quiz 02 Instruments-AC

總分 70/100



NCTU EELAB Fall

區段分數 0/0

Class \*



DEE222



DEE320

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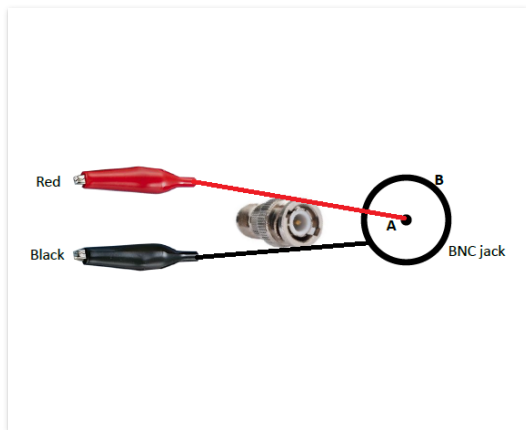
Q1. Answer the following questions about BNC below.

區段分數 30/30

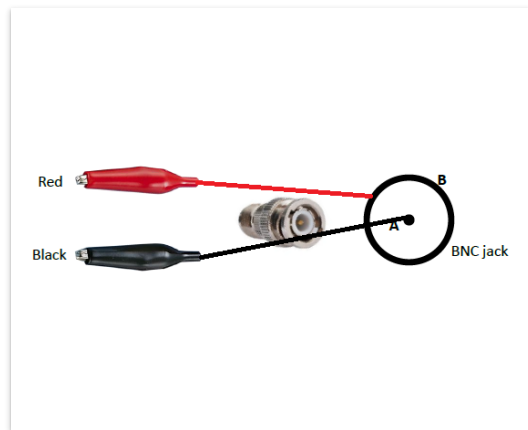


✓ (1) Link the alligator clip and the BNC jack with correct relationship. \*

15/15



☒ Red-A , Black-B



☐ Red-B , Black-A



- ✓ (2) Which function of multi-meters can test if the BNC cable is broken? 15/15  
is broken? \*



☐ B

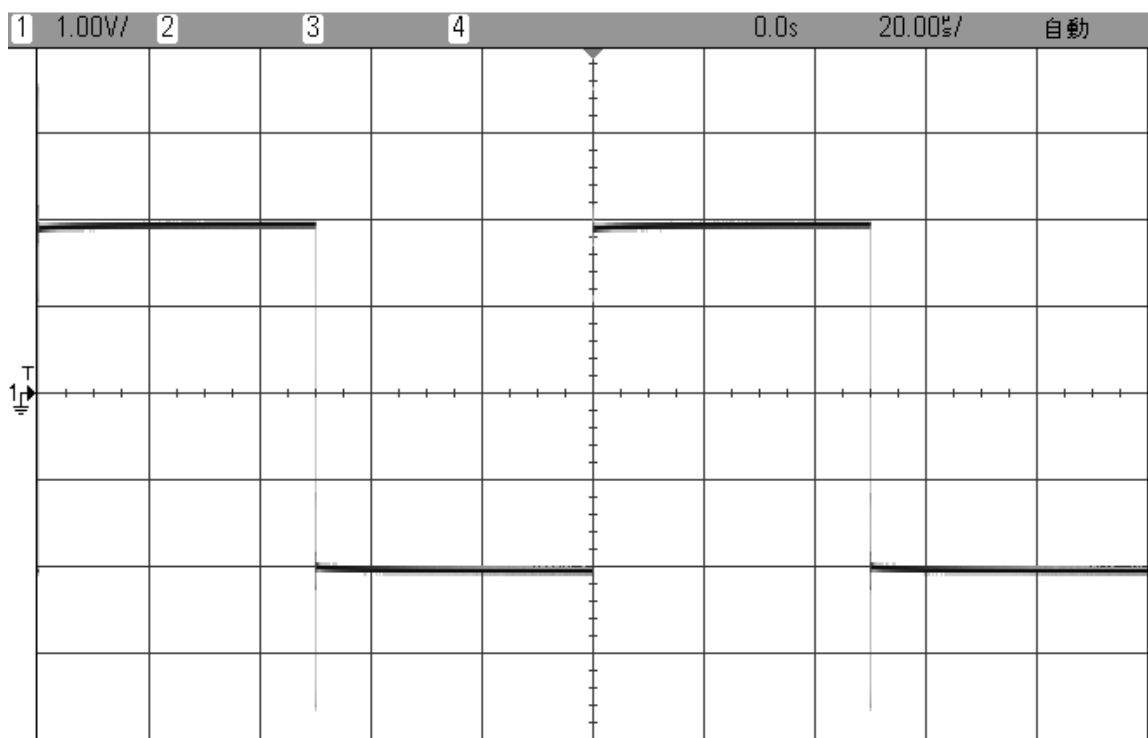
☐ C

☒ D



Q2. According to the waveform, answer questions (1)-(3).

區段分數 30/30



✓ (1) Waveform type? \*

10/10

☐ Sinusoidal wave

☒ Square wave



☐ Triangular wave



✓ (2) Peak-to-peak voltage? \*

10/10

☐ 1 Vpp

☐ 2 Vpp

☒ 4 Vpp



✓ (3) Frequency? \*

10/10

☐ 1 kHz

☒ 10 kHz



☐ 100 kHz

Q3. Match the following pictures with correct channel coupling.  
(multi-answer possible)

區段分數 10/40



✗ (1) Answer the possible channel coupling settings. \*

0/10

Function genarator settings	Channel coupling of Oscilloscope	Waveform on oscilloscope
<div><div><div>Freq1.000,000,000 kHz</div><div>Ampl5.000,0 Vpp</div><div>Offset0.000,0 Vdc</div><div>Phase0.000 °</div></div><div></div></div>	+ (1) =	<div><div>11.00V/ 2340.0% 500.0% 自動</div><div></div></div>

- ☐ AC coupling
- ☒ DC coupling
- ☐ Both coupling is possible

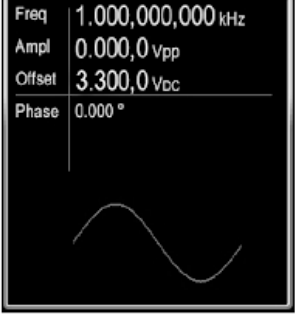

✗

正確答案

- ☒ Both coupling is possible



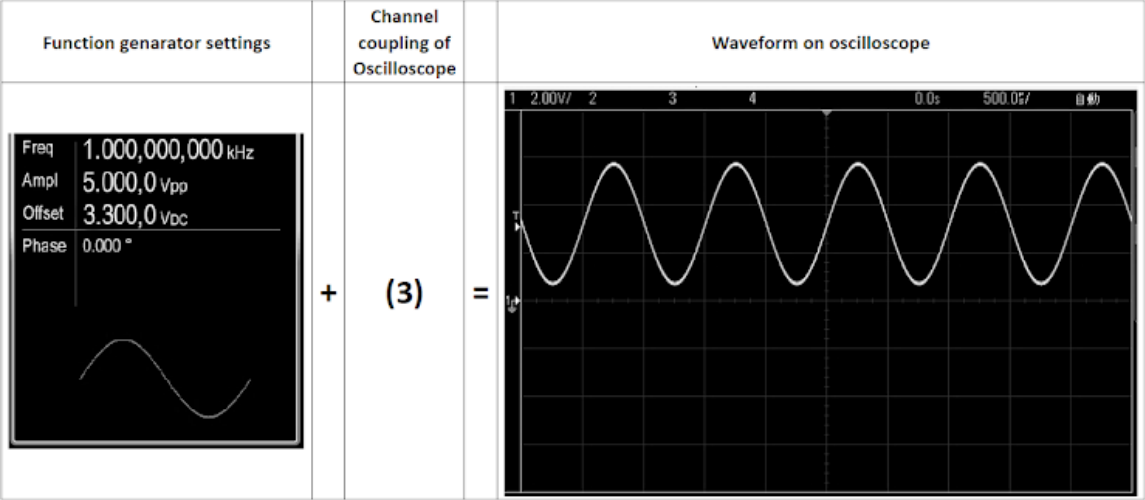
✓ (2) Answer the possible channel coupling settings. \* 10/10

Function genarator settings	Channel coupling of Oscilloscope	Waveform on oscilloscope
<div><div><div>Freq1.000,000,000 kHz</div><div>Ampl0.000,0 Vpp</div><div>Offset3.300,0 VDC</div><div>Phase0.000 °</div></div><div></div></div>	+ (2) =	<div><div>1 1.00V/ 2 3 4 0.0s 50.00% 0 40?</div><div></div></div>

- ☒ AC coupling
- ☐ DC coupling
- ☐ Both coupling is possible



✗ (3) Answer the possible channel coupling settings. \* 0/10



- ☐ AC coupling
- ☐ DC coupling
- ☒ Both coupling is possible

✗

正確答案

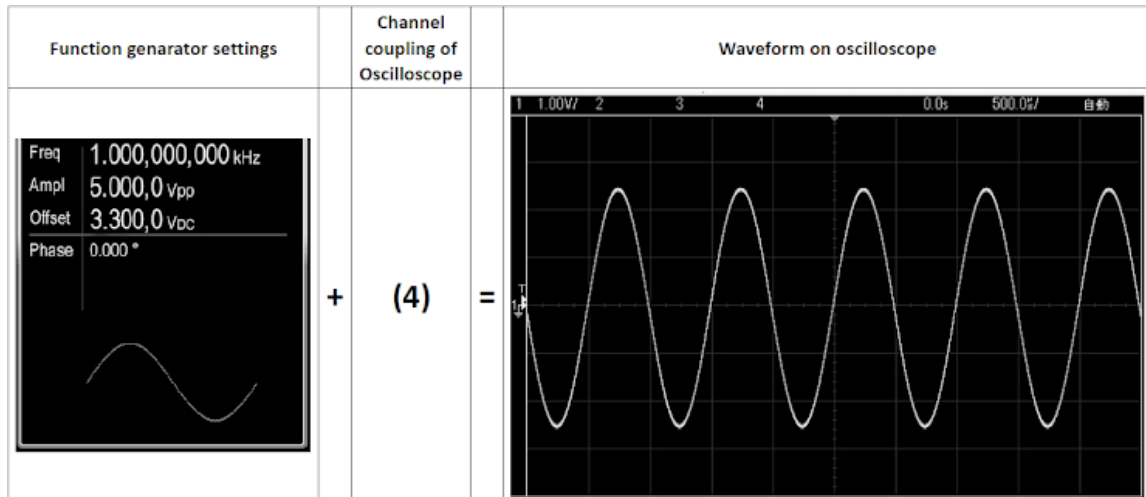
- ☒ DC coupling





✗ (4) Answer the possible channel coupling settings. \*

0/10



- ☐ AC coupling
- ☒ DC coupling
- ☐ Both coupling is possible

✗

正確答案

- ☒ AC coupling

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Google 表單

