S.E. sem IV CRUS Electronics m1J-2013 SUB:-EE m I 4M. OG (06/13)

1st Half-13-Mina - (d)-47

Con. 6672-13.

GS-7434

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| • | | (3 Hou | urs) | [Total Marks: 100 |
| | N. B.: | Question No. 1 is compulsory. Attempt any four questions out Figures to right indicates full r Assume suitable data wherever | narks. | 1S. |
| 1. | (a) (b) | r any four of the following:— How CRO is applicable for compo What is Lissajous pattern? How it with? How power factor meter works? | | 5 acy can be done 5 |
| | ` ' | What is back emf voltage equation What is hybrid stepper motor? | ? | 5 . 5 |
| 2. | (b) Wi | hat is dual trace, multi-trace, dual be th the neat diagram and waveform e p-Flop. | | |
| 3. | ` ' | hat are the Essentials of indicating in plain the measurement of inductance | - | |
| 4. | (b) Wh | st various types of DVMs and explain that are the Requirements of a good last. F. signal generator. | | rator? Explain 10 |
| 5. | ` ' | plain construction and working prince plain Kelvin's double brige. | iple of stepper motor. | 10 10 |
| 6. | exp | st various methods of analog to digi- plain any one in detail. | | conversion and 10 |
| | ` ' | hat is beat Frequency oscillator and e | explain its advantages. | 10 |
| / . | ` ' | scribe the panel layout of CRO. w to Measure medium, low and high | 1 resistance ? | 10 |