CAREER ENDEAVOUR

Best Institute for IIT-JAM, NET & GATE

## NET-ANALYSIS OF QUESTION PAPER

## ORGANIC CHEMISTRY

| UNIT | | NUMBER OF MARKS | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec. 2016 | | June 2016 | | Dec. 2015 | | June 2015 | | Dec. 2014 | | June 2014 | | Dec. 2013 | | June 2013 | | Dec. 2012 | | June 2012 | | Dec. 2011 | | June 2011 | |
| | | B 2 Marks | C 4 Marks | B 2 Marks | C 4 Marks | B 2 Marks | C 4 Marks | B 2 Marks | C 4 Marks | B 2 Marks | C 4 Marks | B 2 Marks | C 4 Marks | B 2 Marks | C 4 Mark | B 2 Marks | C 4 Marks | B 2 Marks | C 4 Marks | B 2 Marks | C 4 Marks | B 2 Marks | C 4 Marks | B 2 Marks | C 4 Marks |
| Aromaticity | | - | 4 | - | - | - | - | 2 | - | 2 | - | - | - | 2 | - | - | 4 | 2 | - | - | - | 2 | - | 2 | - |
| GOC | | 6 | - | 6 | - | - | - | 2 | - | 4 | - | 4 | - | 2 | - | - | - | 4 | - | - | - | - | - | - | 4 |
| Stereochemistry | | 6 | 4 | 6 | - | 2 | 4 | 4 | 8 | 6 | - | 6 | - | 6 | 4 | 4 | 8 | 6 | 12 | 6 | 8 | 6 | 4 | 6 | 8 |
| Intermediate & Reaction Mechanism | | 8 | 24 | 2 | 24 | 8 | 20 | 6 | 16 | 2 | 16 | 6 | 24 | 2 | 16 | 6 | 12 | 8 | 16 | 10 | 16 | 4 | 20 | 10 | 20 |
| Named Reaction & rearrangement | | 2 | 12 | 2 | 16 | - | 4 | - | 8 | 2 | 8 | - | 4 | 2 | 16 | - | 4 | - | 12 | 2 | 8 | 2 | 8 | - | 4 |
| Reagent | | 2 | 20 | 4 | 20 | 4 | 28 | 4 | 28 | 2 | 28 | - | 24 | - | 20 | 6 | 20 | 2 | 20 | 2 | 28 | 4 | 28 | 6 | 20 |
| Organic Synthesis | | - | 8 | - | 8 | - | 4 | - | 8 | - | 8 | - | 4 | - | 4 | - | 8 | - | - | 2 | 4 | - | 4 | 2 | 8 |
| Pericyclic/Photochemistry | | - | 12 | 4 | 16 | 6 | 20 | 2 | 16 | - | 16 | 6 | 16 | 4 | 16 | 4 | 16 | 4 | 16 | 2 | 12 | 2 | 16 | 6 | 4 |
| Heterocyclic | | - | 8 | - | 8 | 2 | 4 | - | 12 | 4 | 8 | 4 | 4 | 4 | 4 | 2 | 8 | 2 | - | - | 8 | 2 | 8 | - | 8 |
| Natural Product | | 4 | - | 4 | - | 4 | 4 | 6 | - | 6 | - | 6 | 12 | 8 | 16 | 6 | 4 | 6 | 16 | 6 | 8 | 4 | 4 | - | 8 |
| Organic Spectroscopy | NMR | 6 | 8 | 2 | 8 | 4 | 4 | 4 | 4 | 2 | 8 | 2 | 8 | 2 | 8 | - | 8 | 2 | 8 | 4 | 8 | 2 | 8 | - | 8 |
| | IR | 2 | - | 2 | - | 2 | - | 2 | - | 2 | - | - | - | 2 | - | 2 | - | 2 | - | - | - | 2 | - | 2 | - |
| | Mass | - | - | - | - | 2 | - | - | - | 2 | - | - | 4 | - | - | - | - | - | - | - | - | 2 | - | 2 | 4 |
| | UV | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - | 2 | - |

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| UNIT | | NUMBER OF MARKS | | | | | | | | | | | | | | | | | | | | | | | |
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| | | June 2017 | | Dec 2017 | | | | | | | | | | | | | | | | | | | | | |
| | | B 2 Marks | C 4 Marks | | | | | | | | | | | | | | | | | | | | | | |
| Aromaticity | | - | – | | | | | | | | | | | | | | | | | | | | | | |
| GOC | | 4 | - | | | | | | | | | | | | | | | | | | | | | | |
| Stereochemistry | | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | |
| Intermediate & Reaction Mechanism | | 4 | 16 | | | | | | | | | | | | | | | | | | | | | | |
| Named Reaction & rearrangement | | 4 | 8 | | | | | | | | | | | | | | | | | | | | | | |
| Reagent | | 2 | 16 | | | | | | | | | | | | | | | | | | | | | | |
| Organic Synthesis | | - | 8 | | | | | | | | | | | | | | | | | | | | | | |
| Pericyclic/Photochemistry | | 4 | 8 | | | | | | | | | | | | | | | | | | | | | | |
| Heterocyclic | | - | 4 | | | | | | | | | | | | | | | | | | | | | | |
| Natural Product | | 4 | 8 | | | | | | | | | | | | | | | | | | | | | | |
| Organic Spectroscopy | NMR | 2 | 12 | | | | | | | | | | | | | | | | | | | | | | |
| | IR | – | - | | | | | | | | | | | | | | | | | | | | | | |
| | Mass | - | 4 | | | | | | | | | | | | | | | | | | | | | | |
| | UV | - | - | | | | | | | | | | | | | | | | | | | | | | |

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