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securing jobs. This
book has been
structured in three
section. First section
contains multiple
choice type
questions of various*

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*subjects of
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*Second section
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GATE (Graduate
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1991 to 2016. Third
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QUESTIONS &*

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**ANSWERS in
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*Fourth section
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APPENDICES
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their mixtures,
which are called
alloys. These
metals are widely
used in this kind
of engineering
because they
have unique
combinations of
mechanical
properties
(strength,
toughness, and

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ductility) as well as special physical characteristics (thermal and electrical conductivity), which cannot be achieved with other materials. In addition to thousands of traditional alloys,

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many exciting
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Metallurgical
engineering is an
area concerned
extracting
minerals from raw
materials and

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developing,
producing, and
using mineral

materials. It is
based on the
principles of
science and
engineering, and
can be divided
into mining
processes, which
are concerned
with the

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extraction of metals from their ores to make refined alloys, and physical metallurgy, which includes the fabrication, alloying, heat treatment, joining and welding, corrosion protection, and

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different testing
methods of
metals.

Conventional
metal
forming/shaping
techniques
include casting
and forging,
which remains an
important
processing route.
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is one of the most used methods for metal and metallic alloy film preparation in many technological processes. Alloy metal coatings offer a wider range of properties than those obtained by

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a single metal
film and can be
applied to

improve the
properties of the
substrate/coating
system. This book
covers a wide
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engineering and

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electrodeposition
such as
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