

Conceptual Electromagnetics 1st edition Notaro; Solutions Manual

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2 ELECTROSTATIC FIELD IN DIELECTRICS

2.1 Polarization of Dielectrics

CONCEPTUAL QUESTION 2.1	Correct Answer: (C)
CONCEPTUAL QUESTION 2.2	Correct Answer: (B)
CONCEPTUAL QUESTION 2.3	Correct Answer: (A)
CONCEPTUAL QUESTION 2.4	Correct Answer: (B)
CONCEPTUAL QUESTION 2.5	Correct Answer: (B)
CONCEPTUAL QUESTION 2.6	Correct Answer: (D)
CONCEPTUAL QUESTION 2.7	Correct Answer: (B)
CONCEPTUAL QUESTION 2.8	Correct Answer: (A)
CONCEPTUAL QUESTION 2.9	Correct Answer: (B)
CONCEPTUAL QUESTION 2.10	Correct Answer: (D)
CONCEPTUAL QUESTION 2.11	Correct Answer: (C)
CONCEPTUAL QUESTION 2.12	Correct Answer: (B)

2.2 Generalized Gauss' Law and Permittivity

CONCEPTUAL QUESTION 2.13	Correct Answer: (D)
CONCEPTUAL QUESTION 2.14	Correct Answer: (C)
CONCEPTUAL QUESTION 2.15	Correct Answer: (E)
CONCEPTUAL QUESTION 2.16	Correct Answer: (A)
CONCEPTUAL QUESTION 2.17	Correct Answer: (D)
CONCEPTUAL QUESTION 2.18	Correct Answer: (D)
CONCEPTUAL QUESTION 2.19	Correct Answer: (A)
CONCEPTUAL QUESTION 2.20	Correct Answer: (D)

2.3 Dielectric–Dielectric Boundary Conditions

CONCEPTUAL QUESTION 2.21 Correct Answer: (A)

CONCEPTUAL QUESTION 2.22 Correct Answer: (C)

2.4 Analysis of Capacitors with Homogeneous Dielectrics

CONCEPTUAL QUESTION 2.23 Correct Answer: (C)

CONCEPTUAL QUESTION 2.24 Correct Answer: (A)

CONCEPTUAL QUESTION 2.25 Correct Answer: (A)

CONCEPTUAL QUESTION 2.26 Correct Answer: (B)

CONCEPTUAL QUESTION 2.27 Correct Answer: (B)

CONCEPTUAL QUESTION 2.28 Correct Answer: (B)

CONCEPTUAL QUESTION 2.29 Correct Answer: (C)

CONCEPTUAL QUESTION 2.30 Correct Answer: (B)

CONCEPTUAL QUESTION 2.31 Correct Answer: (E)

2.5 Analysis of Capacitors with Inhomogeneous Dielectrics

CONCEPTUAL QUESTION 2.32 Correct Answer: (C)

CONCEPTUAL QUESTION 2.33 Correct Answer: (E)

CONCEPTUAL QUESTION 2.34 Correct Answer: (B)

CONCEPTUAL QUESTION 2.35 Correct Answer: (D)

CONCEPTUAL QUESTION 2.36 Correct Answer: (B)

CONCEPTUAL QUESTION 2.37 Correct Answer: (C)

CONCEPTUAL QUESTION 2.38 Correct Answer: (A)

2.6 Energy of an Electrostatic System

CONCEPTUAL QUESTION 2.39	Correct Answer: (A)
CONCEPTUAL QUESTION 2.40	Correct Answer: (B)
CONCEPTUAL QUESTION 2.41	Correct Answer: (B)
CONCEPTUAL QUESTION 2.42	Correct Answer: (D)
CONCEPTUAL QUESTION 2.43	Correct Answer: (B)

2.7 Dielectric Breakdown in Electrostatic Systems

CONCEPTUAL QUESTION 2.44	Correct Answer: (A)
CONCEPTUAL QUESTION 2.45	Correct Answer: (B)
CONCEPTUAL QUESTION 2.46	Correct Answer: (D)
CONCEPTUAL QUESTION 2.47	Correct Answer: (B)