31. The work done by friction is

A. positive
B. negative
C. zero
D. none of these

Answer: Option **B**

---

32. The area under the force displacement graph represents

A. area
B. work done
C. power
D. none of these

Answer: Option **B**

---

33. The dimension of power is

A. [ML2T-3]
B. [ML2T-2]
C. [ML2T3]
D. none of these

Answer: Option **A**

---

34. Propulsion force of a rocket is

A. non-conservative force
B. conservative force
C. both (a) and (b)
D. non of these

Answer: Option **A**

---

35. The dot product of force and velocity is

A. power
B. work
C. impulse
D. torque

Answer: Option **A**

---

36. Geothermal energy is a _____ source of energy.

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A. non-renewable
B. stable
C. renewable
D. none of the above

Answer: Option C

---

37. The source of tidal energy is

A. sun
B. earth
C. both (a) and (b)
D. moon

Answer: Option D

---

38. _____ cells converts solar energy into electrical energy

A. rotory
B. photovoltaic
C. galvanic
D. non of these

Answer: Option B

---

39. On a clear day at noon the solar energy reaching the earth is

A. 1.44kw/m2
B. 1.4kw/m2
C. 1 kw/m2
D. none

Answer: Option C

---

40. Biomass can be converted into fuels by

A. direct combustion
B. fermentation
C. both (a) and (b)
D. none of these

Answer: Option C

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