31. Adiabatic process is also called
    A. Heat exchange process   **B.** Heating process
    C. Isentropic process   **D.** All of the above

    Answer: Option **C**

32. Which quantity is a state function
    A. internal energy   **B.** heat supply
    C. pressure   **D.** volume

    Answer: Option **A**

33. The value of ? for diatomic gas is
    A. 1.67   **B.** 1.4
    C. ? = 1.3   **D.** none

    Answer: Option **B**

34. The work done in the isochoric process is
    A. constant   **B.** variable
    C. zero   **D.** depends on situation

    Answer: Option **C**

35. In which process all the heat supplied is converted into work done.
    A. isothermal   **B.** isochoric
    C. isobaric   **D.** isentropic

    Answer: Option **A**

36. For the successful operation of Heat engine which condition should be met.

A. cyclic process

B. operated at certain temperature difference

C. both (a) and (b)

D. none of these

Answer: Option **C**

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37. The performance of a refrigerator is described by

A. efficiency

B. coefficient of performance

C. both (a) and (b)

D. not described

Answer: Option **B**

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38. The purpose of flywheel in the engines is

A. to smooth out the energy variation

B. to add more weight to engine to work it stable

C. to start engine

D. both (a) and (b)

Answer: Option **A**

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39. The unit of entropy is

A. J.K

B. J/K

C. N.m/sec

D. Kgm2/sec2.K

Answer: Option **B**

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40. Petrol engine is a

A. C.I engine

B. SI engine

C. IC engine

D. all the above

Answer: Option **D**