

1). What is the reason for having low back up time in UPS?

- (A) Output load is low
- (B) Battery is over charged
- (C) Mains earthing is not proper
- (D) Ampere hour (A.H) capacity of battery is insufficient

Correct Answer : D

2). What is the full form of PWM?

- (A) Pulse Wide Modulation
- (B) Pulse Width Modulation
- (C) Phase Wide Modulation
- (D) Phase Width Modulation

Correct Answer : B

3). Which is the function of an inverter?

- (A) Converts A.C voltage into D.C voltage
- (B) Converts D.C voltage into A.C voltage
- (C) Converts D.C voltage into higher D.C voltage
- (D) Converts A.C voltage into higher A.C voltage

Correct Answer : B

4). Calculate the voltage and ampere/hour, if four cells rated as 1.5 V and 8 A.H are in parallel?

- (A) 6 V and 32 AH
- (B) 3 V and 16 AH
- (C) 6 V and 8 AH
- (D) 1.5 V and 32 AH

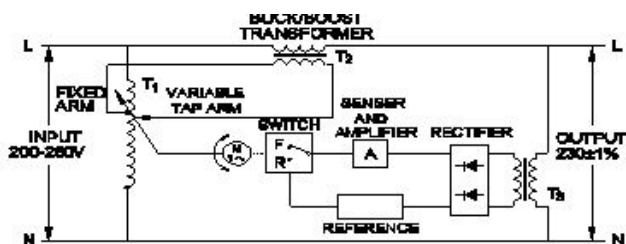
Correct Answer : D

5). Which is frequency converter?

- (A) Rectifiers
- (B) D.C choppers
- (C) Cyclo converters
- (D) D.C to A.C converters

Correct Answer : C

6). What is the name of the stabilizer as shown in the figure?(A) Stepped voltage stabilizer-automatic



(B) Stepped voltage stabilizer-manual

- (C) Constant voltage transformer
 - (D) Servo voltage stabilizer
- Correct Answer : D

- 7). Which transformer is used in stepped voltage stabilizer?
- (A) Step up transformer
 - (B) Isolation transformer
 - (C) Air core transformer
 - (D) Auto transformer
- Correct Answer : D

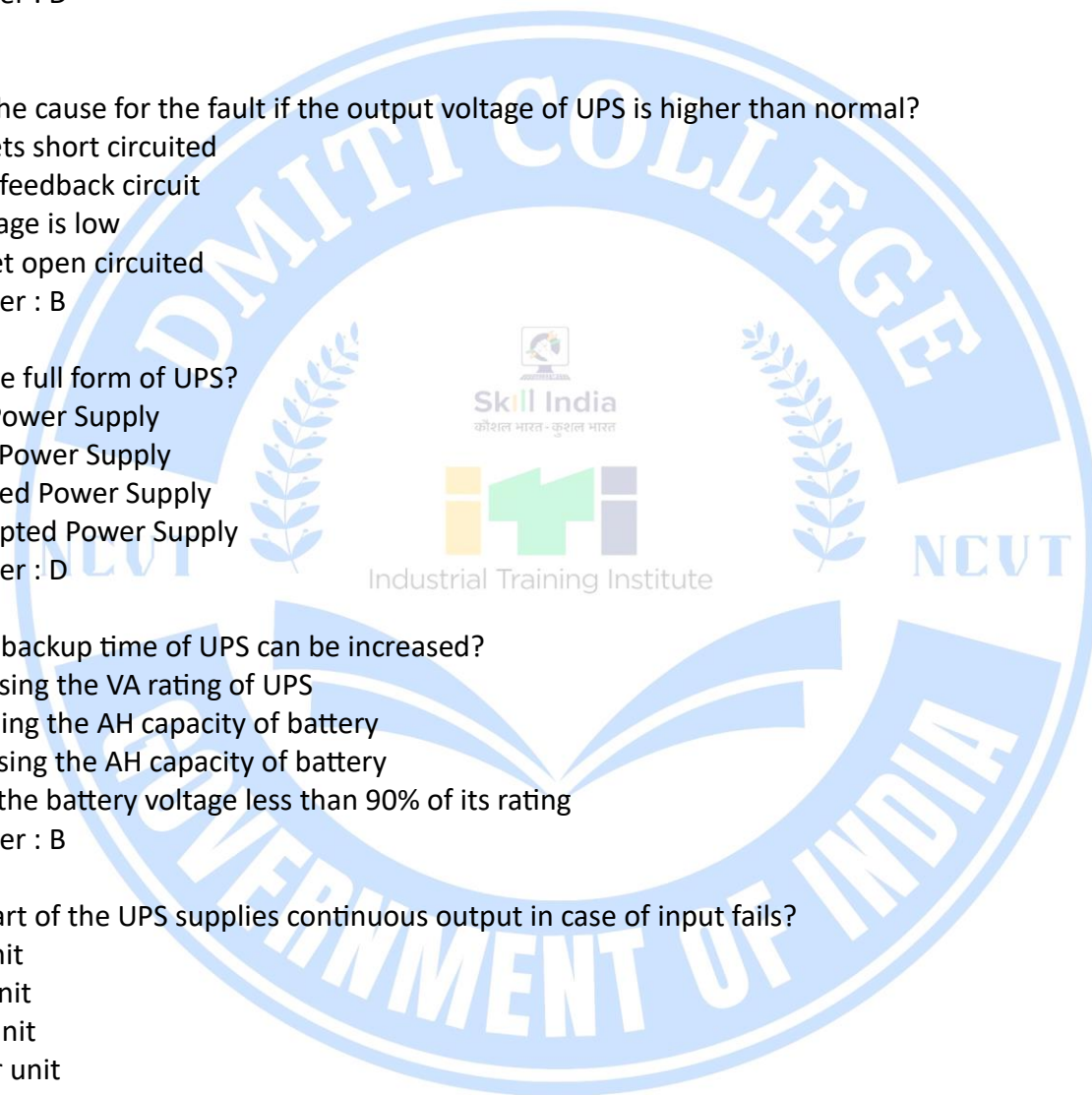
- 8). Which is the cause for the fault if the output voltage of UPS is higher than normal?
- (A) Battery gets short circuited
 - (B) Defective feedback circuit
 - (C) Input voltage is low
 - (D) Battery get open circuited
- Correct Answer : B

- 9). What is the full form of UPS?
- (A) Uniform Power Supply
 - (B) Universal Power Supply
 - (C) Unregulated Power Supply
 - (D) Uninterrupted Power Supply
- Correct Answer : D

- 10). How the backup time of UPS can be increased?
- (A) By decreasing the VA rating of UPS
 - (B) By increasing the AH capacity of battery
 - (C) By decreasing the AH capacity of battery
 - (D) Maintain the battery voltage less than 90% of its rating
- Correct Answer : B

- 11). Which part of the UPS supplies continuous output in case of input fails?
- (A) Battery unit
 - (B) Inverter unit
 - (C) Rectifier unit
 - (D) Controller unit
- Correct Answer : A

- 12). What is the effect in internal resistance of a discharged cell?
- (A) Increase
 - (B) Decrease
 - (C) Becomes zero
 - (D) Remain same
- Correct Answer : A



13). What is the causes for the strength of the current falls and become zero during loading of the cell?

- (A) Buckling
- (B) Polarization
- (C) Local action
- (D) Amalgamation

Correct Answer : B

15). What is the full form of 'EVSE'?

- (A) Electronics Voltage Supply Equipment
- (B) Electric Voltage System Equipment
- (C) Electric Vehicle Supply Equipment
- (D) Energy Variable Supply Equipment

Correct Answer : C

16). Which principle the constant voltage transformer works?

- (A) Self induction principle
- (B) Fall in potential principle
- (C) Ferro-resonant principle
- (D) Mutual induction principle

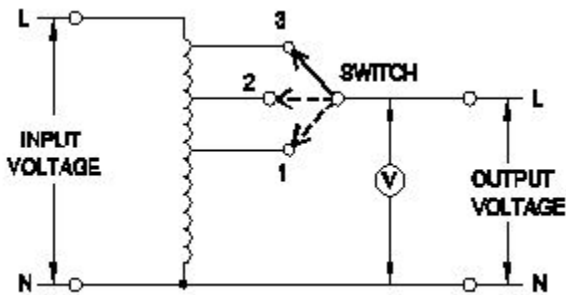
Correct Answer : C

17). What is the cause for the output frequency of an inverter is high?

- (A) Short circuited transformer
- (B) Low battery
- (C) Defective oscillator
- (D) Open circuited transformer

Correct Answer : C

18). What is the type of A.C voltage stabilizer?



- (A) Servo voltage stabilizer
- (B) Automatic voltage stabilizer
- (C) Manual stepped voltage stabilizer
- (D) Constant voltage transformer stabilize

Correct Answer : C

19). What are the important stages in a simple inverter?

- (A) Oscillator and rectifier stages

- (B) Oscillator and amplifier stages
 - (C) Amplifier and transformer output stages
 - (D) Oscillator, amplifier and transformer output stages
- Correct Answer : D

20). What is the purpose of output transformer in inverters?

- (A) Step up input AC
- (B) Step down input AC
- (C) Step up AC from amplifier
- (D) Step down AC from amplifier

Correct Answer : C

21). What is the reason for tripping the UPS with full load?

- (A) Main supply failure
- (B) Incorrect over load settings
- (C) Input voltage is low
- (D) Input frequency is low

Correct Answer : B

22). Which electronic circuit is used in an automatic voltage stabilizer to produce the constant output voltage?

- (A) Rectifier circuit
- (B) Amplifier circuit
- (C) Oscillator circuit
- (D) Zener diode and transistor circuit

Correct Answer: D

23). Which instrument is used to check short circuit faults in electronic circuit in voltage stabilizer?

- (A) Ammeter
- (B) Voltmeter
- (C) Ohmmeter
- (D) Multimeter

Correct Answer: D

24). Which is the application of automatic stepped voltage stabilizer?

- (A) Geyser
- (B) Grinder
- (C) Television
- (D) Pump motor

Correct Answer: C

25). Which battery can be kept in the AC room along with an inverter?

- (A) Nickel iron batteries
- (B) Industrial lead acid batteries
- (C) Sealed maintenance free batteries
- (D) Nickel cadmium batteries

Correct Answer: C

