

coil, induces EMF in nearby coil?

- A) Coupling
- B) Induction
- C) Self induction
- D) Mutual induction (Correct)**

19. What is the main problem caused for severe pitting in relays?

- A) Low contact current
- B) Excessive contact current (Correct)**
- C) Chatter during a slow release
- D) Excessive number of operations

20. What is the effect on the transformer operated below the rated voltage?

- A) Burn out windings
- B) Leads to interwinding leakage
- C) Transformer heated up excessively (Incorrect)
- D) Delivers reduced secondary voltage**

21. What is the purpose of vacuum contactors in electrical panel?

- A) Fast switching (Correct)**
- B) Slow switching
- C) Packet switching
- D) Medium switching

22. What is the reason for the use of contactors in control circuits?

- A) Supply power to loads (Correct)**
- B) To increase load current
- C) To decrease load current
- D) To protect the load from arcing

23. Why the transformer core is made as thin laminations?

- A) To minimize eddy current losses (Correct)**
- B) To increase the hysteresis losses
- C) To maximize eddy current losses
- D) To increase core saturation losses

24. Which part of the relay causes most trouble?

- A) Hinges
- B) Relay coil
- C) Relay contacts (Correct)**
- D) Frame and core

25. What type of ripple filter circuit is used for large load current requirements?

- A) LC filter (Incorrect)
- B) RC filter
- C) Inductor Input filter
- D) Capacitor Input filter**