**Passive Voice in English (B2 Level)**

The passive voice is used in English to emphasize **the action or the recipient** of the action rather than the one performing it. In scientific and technical writing, such as computer science, it is often preferred to **highlight processes, results, or objects** rather than the doer/AGENTE of the action.

**Structure of Passive Voice:**

* **Active Voice**: [Subject] + [Verb] + [Object]  
  *Example*: The programmer writes the code. PRESENT SIMPLE
* **Passive Voice**: [Object] + [Form of "to be"] + [Past Participle] + [by + Agent (optional)]  
  *Example*: The code is written (by the programmer).

In the passive construction, the object of the active sentence becomes the subject of the passive sentence, and the subject of the active sentence (the agent) becomes less important or omitted.

**Passive Voice Across Tenses:**

1. **Present Simple**:
   * *Active*: Programmers develop algorithms.
   * *Passive*: Algorithms are **developed** (by programmers).  
     **Form**: am/is/are + past participle
2. **Present Continuous**:
   * *Active*: Developers are testing the software. PRESENT CONTINUOUS
   * *Passive*: The software is being **tested** (by developers). TO BE IN THE FORM OF GERUND = IS BEING + PARTICIPLE   
     **Form**: am/is/are + being + past participle
3. **Past Simple**:
   * *Active*: The team solved the problem. PAST SIMPLE (TO BE = WAS III PERS.)
   * *Passive*: The problem was **solved** (by the team).  
     **Form**: was/were + past participle
4. **Past Continuous**:
   * *Active*: They were debugging the system STAVANO DEBUGGANDO = PAST CONT.
   * *Passive*: The system was being **debugged** (by them).  
     **Form**: was/were + being + past participle
5. **Present Perfect**:
   * *Active*: Engineers have optimized the database. HANNO OTTIMIZZATO PRESENT PERFECT  
      PASSATO PROSSIMO
   * *Passive*: The database has been optimized (by engineers).  
     **Form**: have/has + been + past participle
6. **Past Perfect**: TRAPASSATO REMOTO (ERO ANDATO, AVEVO FATTO)
   * *Active*: The developers had completed the project. PAST PERFECT
   * *Passive*: The project had been completed (by the developers).  
     **Form**: had + been + past participle
7. **Future Simple**:
   * *Active*: The team will install the new server. FUTURE SIMPLE
   * *Passive*: The new server will be **installed** (by the team).  
     **Form**: will + be + past participle
8. **Future Perfect**: - FUTURO ANTERIORE - SARO’ ANDATO / AVRO’ FATTO
   * *Active*: The company will have launched the application by next year.
   * *Passive*: The application will have been **launched** by next year.  
     **Form**: will + have + been + past participle
9. **Future Continuous** (rare in passive):  
   *Note*: This tense is rarely used in passive voice as it’s awkward.
   * *Active*: The system will be running tests.
   * *Passive*: Tests will be being run (by the system).

**Passive Voice with Modal Verbs:**

1. **Modal + Present**:
   * *Active*: The user can access the database.
   * *Passive*: The database can **be** accessed (by the user).  
     **Form**: modal (can, could, may, might, must, should, etc.) + be + past participle
2. **Modal + Past**:
   * *Active*: The team should have completed the task. IL TEAM AVREBBE DOVUTO COMPLETARE IL TASK
   * *Passive*: The task should have been completed (by the team).  
     **Form**: modal + have been + past participle  
     IL TASK AVREBBE DOVUTO ESSERE COMPLETATO

EXERCISE:

**Multiple-Choice Test (30 Questions) – PLEASE SELECT THE RIGHT OPTION**

**1. Active: The engineers designed the network.**

* a) The network is designed by the engineers.
* b) The network was designed by the engineers.
* c) The network will be designed by the engineers.

**2. Active: The system is processing the data.**

* a) The data are processed by the system.
* b) The data were processed by the system.
* c) The data are being processed by the system. DATA= I DATI (NOME COLLETTIVO)

**3. Active: The developer will test the application.**

* a) The application will be tested by the developer.
* b) The application was tested by the developer.
* c) The application is being tested by the developer.

**4. Active: The company has launched a new software update. PRESENT PERFECT**

* a) A new software update had been launched by the company.
* b) A new software update is launched by the company.
* c) A new software update has been launched by the company.

**5. Active: The team must solve the issue.**

* a) The issue must be solved by the team.
* b) The issue must have been solved by the team.
* c) The issue is solved by the team.

**6. Active: The hacker had compromised the system. PAST PERFECT**

* a) The system was compromised by the hacker.
* b) The system had been compromised by the hacker.
* c) The system has been compromised by the hacker.

**7. Active: They are developing a new algorithm.**

* a) A new algorithm is being developed.
* b) A new algorithm will be developed.
* c) A new algorithm was developed.

**8. Active: We can upgrade the hardware.**

* a) The hardware could be upgraded.
* b) The hardware can be upgraded.
* c) The hardware was upgraded.

**9. Active: The manager should have approved the request.**

* a) The request should have been approved.
* b) The request must be approved.
* c) The request had been approved.

**10. Active: The students were discussing the code. PAST CONTINUOUS**

* a) The code is discussed by the students.
* b) The code was being discussed by the students.
* c) The code will be discussed by the students.

**11. Active: The team will implement the feature. FUTURE /FIU CI@R/**

* a) The feature /FI CI@R/ will be implemented by the team. @= SUONO NEUTRO
* b) The feature was implemented by the team.
* c) The feature has been implemented by the team.

**12. Active: The system has executed the command. PRESENT PERFECT**

* a) The command was executed by the system.
* b) The command has been executed by the system.
* c) The command is executed by the system.

**13. Active: We should resolve the bug before deployment. PRESENT CONDITIONAL**

* a) The bug should have been resolved before deployment.
* b) The bug should be resolved before deployment.
* c) The bug is being resolved before deployment.

**14. Active: A researcher had published the findings. PAST PERFECT**

* a) The findings have been published by a researcher.
* b) The findings were published by a researcher.
* c) The findings had been published by a researcher.

**15. Active: They are installing the new framework. PRESENT CONTINUOUS**

* a) The new framework is being installed.
* b) The new framework was installed.
* c) The new framework will be installed.

**16. Active: They must maintain the server regularly.**

* a) The server is maintained regularly.
* b) The server must be maintained regularly.
* c) The server must have been maintained regularly.

**17. Active: He had optimized the performance before release. PAST PERFECT / TRAPASSATO PROSSIMO**

* a) The performance had been optimized before release. IL RISULTATO ERA STATO OTTIMIZZATO…
* b) The performance is being optimized before release.
* c) The performance will be optimized before release.

**18. Active: We will update the user interface next month.**

* a) The user interface has been updated next month.
* b) The user interface is being updated next month.
* c) The user interface will be updated next month.

**19. Active: A developer will fix the vulnerability.**

* a) The vulnerability was fixed by a developer. TO FIX = SISTEMARE, CORREGGERE, RISOLVERE
* b) The vulnerability will be fixed by a developer.
* c) The vulnerability had been fixed by a developer.

**20. Active: They could implement a new encryption protocol.**

* a) A new encryption protocol could be implemented. POTREBBE ESSERE IMPLEMENTATO
* b) A new encryption protocol was implemented.
* c) A new encryption protocol is being implemented.

**21. Active: They have finished the beta testing phase. PRESENT PERFECT**

* a) The beta testing phase was finished.
* b) The beta testing phase has been finished.
* c) The beta testing phase is being finished.

**22. Active: We might release the final version next week. POTREMMO RILASCIARE LA VERSIONE FINALE LA PROSSIMA SETTIMANA**

* a) The final version might be released next week. POTREBBE ESSERE RILASCIATA
* b) The final version has been released next week.
* c) The final version might have been released next week.

**23. Active: A user has reported the issue to the support team.**

* a) The issue was reported to the support team.
* b) The issue has been reported to the support team.
* c) The issue is being reported to the support team.

**24. Active: Developers will add new features to the platform.**

* a) New features are being added to the platform.
* b) New features were added to the platform.
* c) New features will be added to the platform.

**25. Active: The system administrators are monitoring network traffic. (NOW)**

* a) Network traffic was monitored by the system administrators.
* b) Network traffic is being monitored VIENE MONITORATO/E’MONITORATO  
   by the system administrators.
* c) Network traffic will be monitored by the system administrators.

**26. Active: They had updated the API documentation before release.**

* a) The API documentation had been updated before release.
* b) The API documentation is being updated before release.
* c) The API documentation was updated before release.

API documentation = APPLICATION PROGRAMMING INTERFACE

THESIS = US = TESI DI LAUREA / EU+UK = TESI DI PHD   
DISSERTATION = US = TESI DI PHD / EU +UK = TESI DI LAUREA

**27. Active: We can test the new security features next week.**

* a) The new security features could be tested next week.
* b) The new security features can be tested next week.
* c) The new security features were tested next week.

**28. Active: The developers must release a patch for the vulnerability.**

* a) A patch for the vulnerability must be released by the developers.
* b) A patch for the vulnerability is being released by the developers.
* c) A patch for the vulnerability was released by the developers.

**29. Active: The professor is giving a lecture on computer architecture.**

* a) A lecture on computer architecture was given by the professor.
* b) A lecture on computer architecture will be given by the professor.
* c) A lecture on computer architecture is being given by the professor.

**30. Active: The system will have completed the backup by midnight. AVRA’ COMPLETATO**

* a) The backup will have been completed by the system by midnight. **SARA’ STATO COMPLETATO**
* b) The backup was completed by the system by midnight.
* c) The backup is being completed by the system by midnight.