Here are **50 Multiple Choice Questions (MCQs)** on **AJAX with forms**, ranging from **beginner to advanced**, covering concepts like requests, responses, integration with jQuery, PHP, and security practices.

□ AJAX + Forms MCQs (Beginner to Advanced)

◆ Beginner Level (1–20)

1. AJAX stands for:
   - a) Asynchronous Java App Execution
   - b) Asynchronous JavaScript and XML ✅
   - c) Advanced JSON and XML
   - d) None of the above
2. AJAX allows web pages to be updated:
   - a) Only when reloaded
   - b) Without reloading ✅
   - c) On browser refresh
   - d) Never
3. Which object is used to make AJAX requests in vanilla JavaScript?
   - a) JSON
   - b) XMLHttpRequest ✅
   - c) FormData
   - d) AJAXRequest
4. What method in jQuery is used to load data using AJAX?
   - a) $.html()
   - b) $.get() ✅
   - c) $.fetch()
   - d) $.text()
5. Which HTTP method is commonly used to send form data securely?
   - a) GET
   - b) POST ✅
   - c) PUSH
   - d) HEAD
6. AJAX is primarily a:
   - a) Client-side technology ✅
   - b) Server-side language
   - c) Framework
   - d) Markup language
7. What is the default format returned in AJAX?
   - a) HTML
   - b) XML

- c) Text ✅
- d) JSON

8. Which jQuery method submits form data using AJAX?
   - a) $.form()
   - b) $.submit()
   - c) $.ajax() ✅
   - d) $.request()
9. What does `e.preventDefault()` do in a submit handler?
   - a) Stops form submission ✅
   - b) Sends data
   - c) Refreshes form
   - d) Clears the page
10. What format is often used for AJAX responses?
    - a) TXT
    - b) DOC
    - c) JSON ✅
    - d) PDF
11. Which method is used in jQuery to submit form without reloading page?
    - a) .reload()
    - b) .ajaxSubmit()
    - c) .submit(function) ✅
    - d) .onClick()
12. Which attribute is required to get input values from a form?
    - a) name ✅
    - b) id
    - c) label
    - d) class
13. In jQuery, which method sends form data to server using POST?
    - a) $.fetch()
    - b) $.post() ✅
    - c) $.load()
    - d) $.read()
14. What is the purpose of `FormData()`?
    - a) Create new form
    - b) Serialize form fields ✅
    - c) Reset form
    - d) Validate form
15. AJAX allows the browser to communicate with:
    - a) User only
    - b) Server ✅
    - c) Cache
    - d) Another tab
16. What does `readyState == 4` mean in XMLHttpRequest?
    - a) Opened
    - b) Data sent

- c) Operation complete ✅
- d) Connection closed

17. What is the `.serialize()` method used for in jQuery?
    - a) Styling
    - b) Fetching AJAX
    - c) Turning form into query string ✅
    - d) None
18. In `$.ajax()`, what is the `success:` property for?
    - a) Stopping request
    - b) Handling successful response ✅
    - c) Debugging errors
    - d) Sending data
19. When using GET to send form data, the data appears:
    - a) In database
    - b) In the headers
    - c) In the URL ✅
    - d) Nowhere
20. Which response type is best for API interaction?
    - a) HTML
    - b) PDF
    - c) JSON ✅
    - d) DOCX

◆ Intermediate Level (21–40)

21. Which AJAX method in jQuery can handle any request type?
    - a) $.get()
    - b) $.post()
    - c) $.ajax() ✅
    - d) $.load()
22. Which property in XMLHttpRequest is used to define request method?
    - a) requestMethod
    - b) sendType
    - c) open() ✅
    - d) method()
23. AJAX in jQuery is part of:
    - a) DOM API
    - b) Core module
    - c) Utility module ✅
    - d) CSS module
24. Which event detects form submission?
    - a) change
    - b) submit ✅

- c) click
- d) focus

25. What does `$.ajaxSetup()` do?
    - a) Initializes form
    - b) Sets default AJAX options ✅
    - c) Sends data
    - d) Binds form
26. What does `.done()` handle in jQuery?
    - a) Failure
    - b) Always
    - c) Success ✅
    - d) Timeout
27. `status == 200` indicates:
    - a) Bad request
    - b) Redirect
    - c) Success ✅
    - d) Server down
28. AJAX can send files using:
    - a) GET
    - b) POST with FormData ✅
    - c) Only PHP
    - d) Only jQuery
29. What happens if form fields don't have `name` attribute?
    - a) Page crashes
    - b) Fields won't be submitted ✅
    - c) All values will be `undefined`
    - d) Only button is sent
30. AJAX can only send:
    - a) Text
    - b) Media
    - c) Any type of data ✅
    - d) Arrays
31. Which property in `.ajax()` specifies the URL?
    - a) target
    - b) link
    - c) url ✅
    - d) host
32. Which option is used in `$.ajax()` for handling errors?
    - a) failure
    - b) error ✅
    - c) catch
    - d) onFail
33. AJAX call won't work unless:
    - a) jQuery is loaded ✅
    - b) PHP is installed

- c) Bootstrap is used
- d) HTML is minified

34. Which method is used to send a request manually?
    - a) .autoSend()
    - b) .open() + .send() ✅
    - c) .dispatch()
    - d) .request()
35. AJAX responses are handled using:
    - a) Callbacks ✅
    - b) Loops
    - c) Storage
    - d) Prompts
36. JSON stands for:
    - a) JavaScript Oriented Notation
    - b) Java Source Object Notation
    - c) JavaScript Object Notation ✅
    - d) Java Syntax Output Node
37. AJAX helps improve:
    - a) Server memory
    - b) Page speed ✅
    - c) File security
    - d) Font loading
38. What HTTP method is used to update data?
    - a) GET
    - b) PUT ✅
    - c) LOAD
    - d) TRACE
39. How do you check if AJAX call failed?
    - a) if(result == "")
    - b) using `.fail()` ✅
    - c) using `.html()`
    - d) catch(error)
40. AJAX prevents:
    - a) JavaScript errors
    - b) Page reload ✅
    - c) Code injection
    - d) URL rewrite

▲ Advanced Level (41–50)

41. Which header is commonly set in AJAX POST?
    - a) `Content-Type: application/json` ✅
    - b) `application/x-png`

- c) `Form-Type: text`
- d) None

42. What is CORS in AJAX?
    - a) Custom Origin Request Standard
    - b) Cross-Origin Resource Sharing ✅
    - c) Cookie Origin Read System
    - d) Cache Overload Refresh Syntax
43. What's the risk of allowing cross-origin POST requests?
    - a) Faster forms
    - b) Security vulnerability ✅
    - c) Better speed
    - d) No risk
44. Which AJAX call is secure for login systems?
    - a) GET
    - b) POST ✅
    - c) LOAD
    - d) DELETE
45. What is the role of CSRF tokens in AJAX forms?
    - a) Style forms
    - b) Add captcha
    - c) Prevent attacks ✅
    - d) Send headers
46. AJAX can use headers for:
    - a) Styling
    - b) Session tracking ✅
    - c) Creating tables
    - d) Delay functions
47. Which method sends JSON directly using AJAX?
    - a) $.json()
    - b) $.ajax({ dataType: "json" }) ✅
    - c) $.load()
    - d) $.map()
48. How do you delay an AJAX request?
    - a) using setTimeout ✅
    - b) with .ajaxDelay()
    - c) $.wait()
    - d) $.pause()
49. AJAX forms are best used for:
    - a) Static pages
    - b) Data-intensive apps ✅
    - c) HTML-only websites
    - d) Image sliders
50. What does `async: false` do in `$.ajax()`?
    - a) Cancels the request
    - b) Makes it synchronous ✅

- c) Speeds it up
- d) Skips sending

Would you like these as a **PDF**, **printable cheat sheet**, or **interactive quiz**? I can also provide **AJAX with jQuery form code examples** to match these MCQs.