MPL runit. Tudani -ung lanu DISBION Assignment No 2. Significa Progressive web App (PWA) and explain its significancin modern with development. Discuss The traditional modern with amountate PWAS from traditional mobile appro-A progrusine with App (ALPWA) is a type of web opplication that uses modern web technologies to deliver a funt, sulicilie and ingagin engaging experime similar to native mobile appr PWAS work accross all devices and plurjons while liveraging the benyits of both wit and molile application. Significana of BPWR in Modern Web Development - bross Plantown Compatability Rinson all deries with a singu codebase. App-like Experience - Smooth animations, push notifications, and office deurs. - Improved Personnane - Yaster loading using caching and Service worken. - SEO Friendly - Induced by search ingines increasing discountaility. - Automatic Updated - Always up - to date without manual downloads. NO App Ston Dependency - Dionet installation from the brower. VS prenditioners mobile A Rey Characteristing Teacher's Sign.: __

Traditional apr PWA Downloaded bru USK Frature Enstand via app store O Installation browser Separate app Works an all for 1057 Android @ Platform playons Nuds local works offline Storage Access Beyomana using caching can be heary Fast 2 light weight Manual upday Automaric orquirid. (8) updates Higher. Lower (E) Denhopmit corr PWA's are gaining popularity become they con the bust of wer and molish app, making the a cost - Effection, high performance solution for husinesses and developers. 82. Define susponsin web design and explain it importance in The contrat of Progressimuse Apps. compare and contrart susponsine fluid adaptin wit disign approach. Responsine useb Design CRWD) is an approach and devices by using flirible grions, layour, ess midia queries.

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Sportance in PWAs: Property Co sure of consistent user respersence accross restore tablets and mobile during accross des audience. expective. Enhancement waking PW AJ Con expectane. Joseph As fell more app-like by adjusting VI ynamically. prearison of Responsine, Huid, and Adaptive web Disig Risponsine Huid pature Adaptive Mination usiness midia usis Uses prediginal queris 76 percentage layouts for adjust layout leased units specific Scruen dynamically for layout Sizes. Highly 2153 flexibu. texibility Very Heribu & unible No jined low are point uakpoins. Wes breakpains but adjusts briakpoints smoothly Separati Simple us 6 modern websites ample mobile of dia pages. 2 PWAS disign. Teacher's Sign .: __

43	Discribe the Liqueyen of Service workers, including registeration, installation and activation process.
-> 1	A service worker is a leackground script that nature office support, caching and push noty
	Rigistration - The brows on nigistres the service
- u	gister)).
(2)	Justaliation - The Survice worker downloads as
(3)	Activation - Old caches are deamed, and the
w	Futching & syncing. Mandes nerwork rugue
Pu	igh notifications and background Syne.
29. / 8	xplain the use of Index DB in t
JING	dex DB is a low-line , NOSBI darabas
da	de for storing large amounts of structure in browser.
Wh	y Usi Indix BB in Service Workers.
Stor	persistent, offine-accession data pryserences, app daia).
	prugerinas, app dara).

pains asynchronomens preventing UI blocking Germa Dava in Induced DB via const db Request = indused DB. open C'PWAdb Request on success = function (event) ?

comot db = event target ousute; const transaction = db. transaction Cush const ston = transaction objectstone ('surs 3. Store. Put (f /d: 1, nami: Urvashi'3); This helps PWAS work efforming offine, enhancing performance and usu experience Teacher's Sign.: