\	PWA akingment - 2 (ou
	Numes Sumeet Ruman Suga ROLL NO-62 DIRENISA
	Proposition of the second section of the section of the second section of the section of the second section of the sec
4.1	Define Progressia ush App and explain its significance
- Karthi	in making uch development. Disubs the Rell
	characteristics that differentiate PWAs from
in the second of	traditional mobile apps.
Soln.	PWA is a type of whap that utilizes
	modern neb capabilities to deliver an app
	like experience to work . It combines the
2-10-1-	solt features of the was app and mobile apps
-	sont features of the who app and mobile apps to affer offline functionality, push sotifications and intallation on delicer.
1.42	and "intall of then on deliles.
	Andrew
	Ky characteristics of PWA:
* <b>,</b>	Para car Dulla da
+	Raponine: PWAs are designed to work seanling
1 2 1	acriss runions devices and scheen dizes
	adapting to cuer's device
≺,	connectivity of they can weath offine as with a pour
	to oute resources and provide bosic functionality
3	App like expersences PWAS minic the look and
Car Trans	sed et native mobile apply offering smooth
É ÷ te	animations.
4.	Discoverable: PWA's can be found through search
E S	engines and do not hequire installation from
A STATE OF THE STA	I An an iluse
5.	secure purs are served our MITT, to ensure
	secures Phas are served our MITTE to ensure

FOR EDUCATIONAL USE

**Sundaram** 

Q-2 Define responsive web duran and explain refine responsible new and to the and control the control of the points with the control of the and adaptive new delign approuches Soln: Responsive web design is an apphoach to designing websites that chewres they adapt in respond appropriately to varyous street In the context of purt, helponitud uses design is church because it encures that the apply interface remains aler-freindly and functional altress different devices. 1 (ompolisono 1. Responsive web designs wer flexible quid, and to adapt the website's design to different when yes 2. Fluid unb delign: Similar to responsive design, fluid wes design also offices flexible layout and
percentage for sizing elements, but it may not
accessarily incoponate radio. quives so adjust the disign based on specific break points Sundaram FOR EDUCATIONAL USE

13 Describe the lighty de af service multiples, installation and activation Som of O Regulyation! Schulle morkers rance registered by the web approse through some unipt code in the main pall. This registration typically occurs in the backuround and involves specifying the path to the remise worker simpt. @ Installation's once registered, the browser downloads and installs the service worker script. During installation, the service worker can cause stated assets and other resources needed for affline Junctionality. 3 Autivation: After installation, the service was Per enters the autication phase During activation the service morner can clean upold cathes, instralize occurry data and start interapting network hequity. O.9 Explain the use of Indexed be in the remained worker for data a through.

Soln's Indexed by is a client-side of through Mechanism that allows remaine workers to stone structured data locally within the browder-to at enables web applications, in auding those whilizing somite entruite workers, to a ture of the forest data efficiently, prowding thing functionality and setting and setting data efficiently, prowding thing for Educational USE (Sundaram)

by reducing the need for constant network
sequets. Indexed DB is particularly useful in
service mothers for tures such as caching
dynamic content, managing user preferrences
and supporting office capabilities.