SECTION	A (MCQ)	2 Marks each.
A1.	(c)	
A2.	(a)	
A3.	(c)	
A4.	(a)	
A5.	(c)	
A6.	(d)	
A7.	(d)	
A8.	(c)	
A9.	(a)	
A10.	(b)	

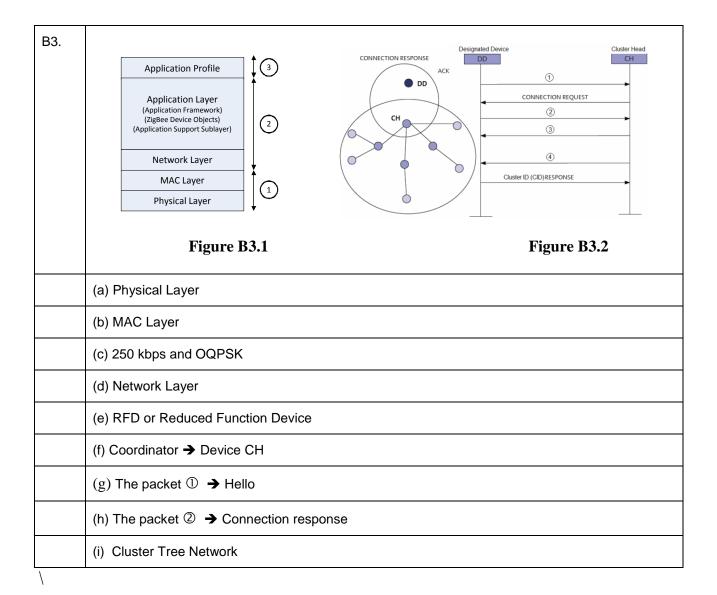
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B1.	Label - P  Label - Q  Transponder  Key K  Label - S  Key K  Figure B1	Serial No.  1 2 3 4 5 6	Description Token 1 Token 2 GET_CHALLENGE Random Number R <sub>A</sub> Random Number R <sub>B</sub> Key K Table B1
	(a) Label – P: GET_CHALLENGE  Label – Q: Random Number R <sub>A</sub> Label – R: Token 1  Label – S: Token 2  (b)  Authentication using Derived Keys		
	(c) UHF		
	< 3m		
	(e) One of the following Pallet tracking, electric toll collection, baggage hand	lling (US), Item-le	vel tracking
	(f) The Modified Miller is suitable to be used for data tra		
	The reason is that it is possible to ensure a continuous HF field of the reader even during data transfer	ous power supply	to the transponder from the

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B2.	STA A  NULL LEGROP  Medium reserved  Access Point  Medium reserved  STA D  NULL LEGROP  Medium reserved  STA D  NULL LEGROP  Medium reserved  STA D  NULL LEGROP  Medium reserved
	(a) UHF
	(b) 13 channels
	(c) 1 or 6 or 11
	(d) Assess Point
	(e) Infrastructure mode
	(f) BPSK, QPSK, 16QAM, 64 QAM (Any one)
	(g) CSMA with RTS/CTS or Virtual Sense mechanism
	(h) RTS Frame and CTS frame
	(i) IEEE 802.11b

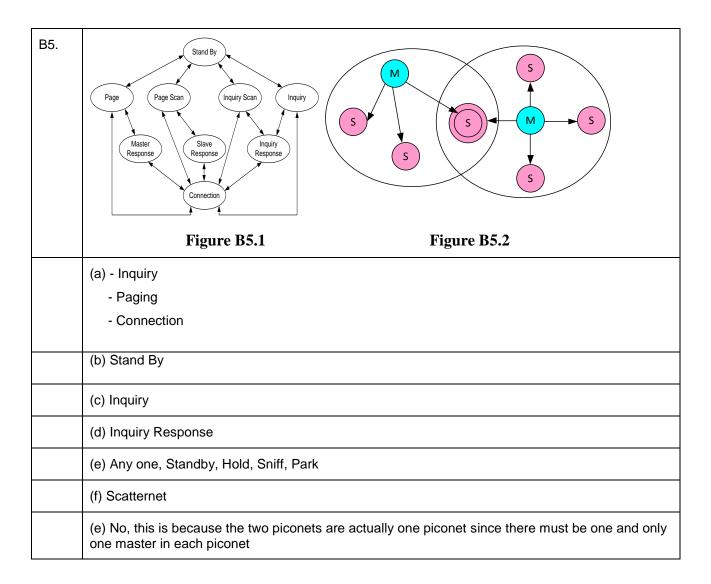
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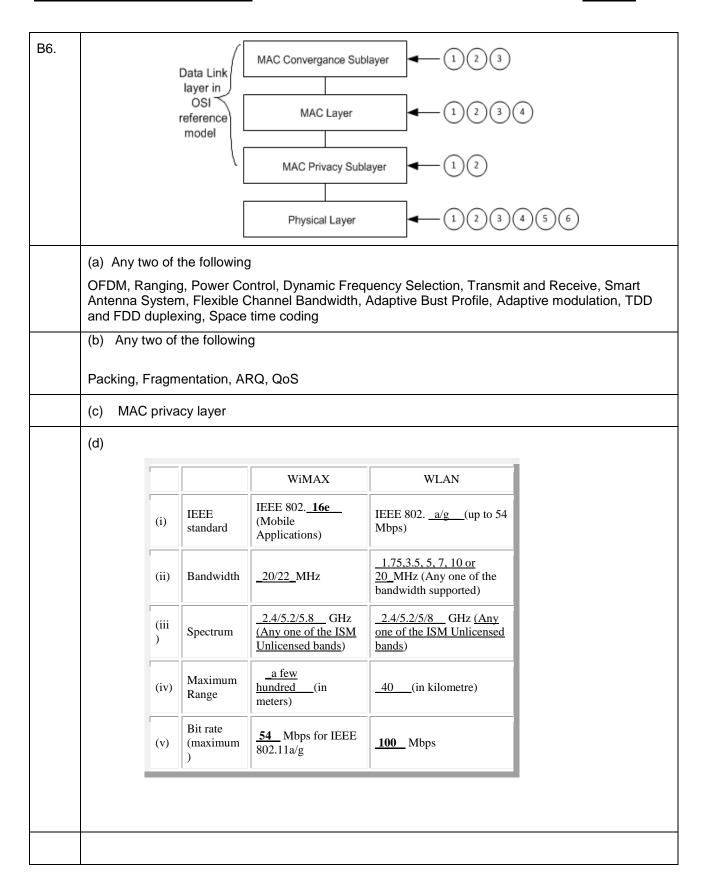
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B4.	MASTER  A  U  B  V  C  W  SDAP  SDAP  SDAP  SDAP  SDAP  SDAP  SPP  SDAP  SPP  SDAP  SPP  SDAP  SAP  S
	(a) 1-slot packet
	(b) Even time slot
	(c) Piconet
	(d) Seven
	(e) Any one: SCO, eSCO or Voice
	(f) GAP and SDAP
	(g) GAP. SDAP, SPP. HFP
	(h) SYNC
	(i) Transferring of images or files from one Bluetooth device to another Bluetooth device.

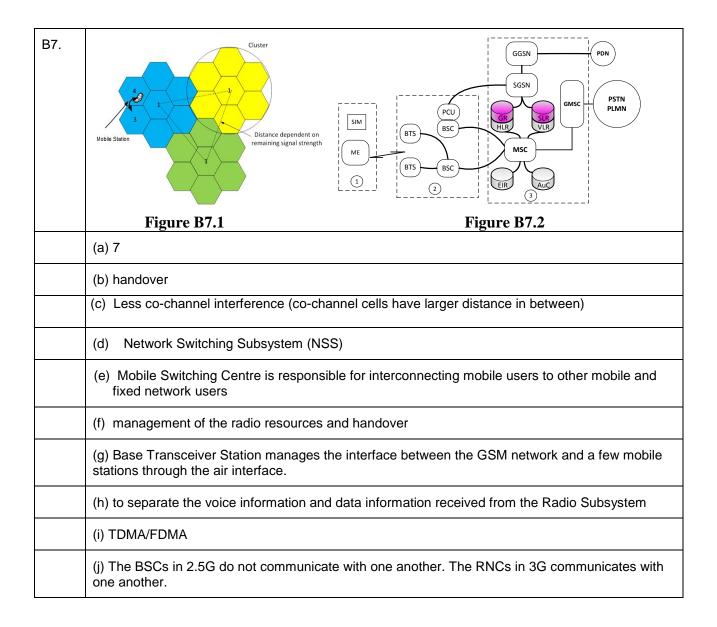
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B8.	Pulse Oxinety Sensor Sensor Figure B8
	(a) Bluetooth or Bluetooth Low Energy (BLE)
	(b) WLAN
	(c) should always be done before a vendor provides you with a final proposal
	<ul> <li>(d) Any two of the following</li> <li>How does the current network support the organisation's mission?</li> <li>What are the strengths and weakness of the current network?</li> <li>How many users does it support?</li> <li>What essential applications run on the network?</li> </ul>
	(e) a timetable that lists specific dates should always be done before a vendor provides you with a final proposal
	(f) External consultants
	(g) The vendor has been selected.
	(h) Any two of the following: Small group sessions, Detailed written instructions, Web-based training, One-on-one sessions

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