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No.AIBSNLOA/CH1/2012/18

Dated: 27th March 2012

To

Shri R.K.Upadhyay,
Chairman and Managing Director,
Bharat Sanchar Nigam Limited,
New Delhi

Sub: Discrepancies in provisional Answer Key for the LDCE for promotion to SDE (T) On 4th March 2012 – reg

Sir,

We hereby list the following discrepancies, which have been brought to our notice, in the provisional Answer Key published in respect of the LDCE for promotion to SDE (T) held on 4th March 2012.

Paper I

SI No	Question No	Provisional Key Circulated	Correct Key	Remarks
1	14	A	B	In the material issued by RTTC, it has been mentioned in all modern digital exchanges the temperature to be maintained is 5 Degcelcius to 22 degcelcius. So thecorrect option is B.
2	51	B	A	In TN Dotsoft network all SDCA Switches/Routers are connected with SSA L3 Switch /Router using WAN, in turn the North TN SSA L3 Switches/ Routers are connected with TrichyDotsoft using WAN and South SSA L3 Switch/Router connected with Madurai Dotsoft using WAN. So it is a star topology. Also practically none of the WAN interface will be in bus topology. So the correct option is A (I.e Star Topology)

3	59	A	C	In Class-B IP addressing there are 16 bits for hosts identification. So there can be 65536 hosts. The correct option is C.
4	16	C	high ambiguity	After Introduction of SSTP most of the exchanges having signaling directly with SSTP, so no Time slots required from voice E1s. Also after introduction of PRC, the sync is derived from SDH/STM. Mostly two exchanges are connected using unframed E1s (I.e all 32 TS can be used as voice channels). So in 2E1s one can use upto 64 voice channels. The option provided to this question is not correct. So for every body 1 mark may be offered
5	22	C	D	SSU are Located in all the places where ADM, DXC of SDH Ring exist and it is not restricted to only at SSA Head Quarters. For example most of the TDM, TDE headed SSAs (Small SSAs) HQ is not having SSUs. At the same time in big SSAs there will be SSUs in more than one location/SDCAs. So the SSU is located on the basis of SDH rings. So the correct option is D.
6	31	D	A	For AXE there will only one Central Processing unit and central software. So the option is A.
7	42	D	A	NDC is nothing but national destination code/number, which is National directory number in PSTN Numbering scheme. In mobile network the MS ISDN format should be Country Code, MSC Code + Sub No. (I.e CC+MSC Code+SN) or CC+NDC. So the correct option is A. Since the options is having high ambiguity, one mark may be given every body.
8	48	C	High ambiguity	It is an universally known fact that a Router is the network element which inter-connects different types of communication ports / protocols viz Ethernet LAN, V.35 WAN , HSSI, MPLS VPN ATM. So the best option is Router. Also some times gateway also does the protocol converter job along with a router. So the best Option is B or since the ambiguity exists one mark may be offered to every body.
9	61	C	High ambiguity	The practically Distance Covered highly depends on tower / BTS Configuration.
10	68	B	High ambiguity	In MS Office 2007, Libere Office, Star Office , Open Office based Excel one can undo deleted sheet. Also remaining three options also possible.
11	81	C	High ambiguity	In Pulse echo meter only insulation type and resistance per KM is being set while measuring.

12	85	C	D	In any self/Electric started internal combustion engine, checking of battery voltage on daily basis is universal fact. But in the option it has been given as fortnightly, so it is false. So the correct option is D
13	86	A	C	Nominal voltage of a Battery is 2V, it is a well-known fact in telecom industry. Also in question it has been give simply normally set voltage and whether it is connected with Battery charges or SMPS is not given. So the option is nominal voltage i.e. 2V and it is C.
14	90	C	D	VRLA battery itself called VRLA-SMF (I.e sealed and maintenance free Batteries). Checking pilot cell voltage etc will not come under maintenance, it is monitoring activity. Adding toppings, distilled water is maintenance activity, which is not required for VRLA battery. So the option is C.
15	91	D	A	In SMPS the 3Phase AC will be stepped down to 80 V AC before rectifying. So the option is A.
16	99	B	High ambiguity	In Copper wire only kilo hertz is possible. Even in ADSL multiple 4Khz carrier is used. So the option is A. Also distance is not provided. Type (I.e Sealed or un-sealed) is also not provided. In CAT6 UTP cable also a Copper cable which carries upto Giga Hertz. So one mark may be offered

Paper II

SI No	Question No	Provisional Key Circulated	Correct Key	Remarks
1	27	A	high ambiguity	In GPRS theoretical data rate is 172Kbps, practical throughput is 115 Kbps. Both of these values is not available as options. So one mark may be offered to all
2	48	B	high ambiguity	Spread Spectrum is used in both the CDMA and WiFi (802.11a and 802.11b) access technologies. So one mark may be offered to all
3	8	B	A	SID : System Identification. It is not unique more than one customers will have same SID in a particular area. So the Correct option is A
4	10	D	C	CDMA 2000 1X EVDO carries voice as well as data, so this is not be false statement and this is not correct option (Also there is no clue in question paper both voice and data in simultaneous etc). But there is no standard like CDMA 2000X, so this a false statement and this is the appropriate option. So the option is C
5	42	C	B	Generally Receivers are designed to sense much low power signals than the transmitted power. A portion transmitted power will only reach the receiver due to line attenuation and other obstructions. So receivers are designed to sense much less power than the "portion power". So the correct option is B.

6	64	D	high ambiguity	Type – B modems also will have multiple Ethernet port and WiFi. In most of the places Type -B modem also mentioned as Type -II. So one mark may be offered to all
7	70	D	B/D	Fault localization refers to identifying the line fault. Both the bridge megger and line tester cannot be used for this purpose. Line tester is used to check the continuity and potential before lying the cable. Megger is used to measure the resistance or insulation. So both B and D options are correct.
8	13	B	A	$(200+700+400)$ Meter = 3.4KM. So the option A is correct.
9	83	B	A	The minimum acceptable depth for cable lying is 1M. Which is nothing but 100 cms. So option A is correct.
10	94	A	A/B	Both the Soda acid and Foam can be used for liquid fuels. So both the options A and B are correct

2. We request that the above points may kindly be got verified and action taken for rectifying the discrepancies, so that the candidates who appeared in the examination do not suffer for no fault on their part.

With kind regards,

Yours sincerely,



(V.P.Arya)
General Secretary

Copy to:

1. Shri A N Rai,
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2. Shri R.K.Goyal,
General Manager (Recruitment), BSNL
3. Shri Neeraj Verma,
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