

PROVINCIAL DEPARTMENT OF EDUCATION, NORTHERN PROVINCE
General Certificate of Education (Ord. Level) Second Term Examination, 2017 July
Information & Communication Technology (ICT)

Grade 11

Scheme of Marking

Part I

1.	I	11.	ii	21.	i	31.	i
2.	iii	12.	iv	22.	iv	32.	iv
3.	ii	13.	iv	23.	iii	33.	iii
4.	iv	14.	iii	24.	i	34.	iii
5.	iv	15.	iv	25.	iv	35.	ii
6.	ii	16.	iii	26.	iv	36.	iii
7.	iii	17.	iii	27.	i	37.	iii
8.	iii	18.	iv	28.	ii	38.	iv
9.	iii	19.	ii	29.	i	39.	iii
10.	ii	20.	iii	30.	iv	40.	iv

(1 x 40 = 40 Marks)

Part II

1.

- i) Exchanging files
Sharing hardware
Sharing software
E-mail exchanges
- ii) $\overline{A.B} + \overline{A.B}$
- iii) A - gov.lk, B - http://www.nie.lk, C - www.msn.com, D - chrome
- iv) 133_8 (Computations needed)
- v)

Column A	Column B
Simplex	Browsing websites
Fiber optics	Radio Broadcast
Half duplex	Guided media
Radio wave	Wi-fi

- vi) Input – Finger print
Process – Verify the finger print
Output – Mark arrival and departure time
- vii) A – 4, B – 3, C – 2, D – 1
- viii) More Accuracy, More security, Less space needed to store
- ix) 1 – D, 2 – A, 3 – C, 4 – B
- x) 70 80

[2 x 10 = 20 Marks]

2.

- i) a) Uniform Resource Locator
b) Search engines
c) IP Address
d) http

[1/2 x 4 = 2 Marks]

- ii) 1 – CENTER, 2 – H2, 3 – SRC, 4 – OL, 5 – CAPTION, 6 – TR, 7 – COLSPAN, 8 – A

[1 X 8 = 8 Marks]

3.

- i) Function1- SUM , cell1 – B2, cell2- B7
- ii) Function2 – SUM, cell3- C2, cell4 – B2
- iii) D2
Copy
D3 TO D7
Paste
- iv) Column, Bar, Line

[3, 3, 2, 2 Marks]

4.

- i) Item_ID from Sports Items table, S_ID from Supplier table
- ii) S_ID from Purchasing table
- iii) a) Purchasing table, Sports Items table
b) Sports Items table

Item_ID	Item_Name	Stock
S104	Hockey sticks	15

Purchasing table

Date	S_ID	Item_ID	Count
07.05.2016	S003	S104	15

- iv) a) Sports Items table
b)

Item_ID	Item_Name	Stock
S102	Bat	15

[2, 2, 3, 3 Marks]

5.

- i) Interview, Questionnaire, Prototype, Observation
- ii) Waterfall model
- iii) Waterfall model

When user requirements change, it can't be used. In waterfall model, phases are carried out as linear. There is no way to go back to the phases which were already done for any modifications.

- iv) Eventhough the new system fails, the activities can be carried out in the old system
- v) Absence of Internet, Training needed for the employees, System Failures

[1, 1, 3, 2, 3 Marks]

6.

- i) Processor speed, Capacity of RAM, Hard disk capacity
- ii) Seedlings planter using Robotics, Automatic Weed remover, Automated Insect Control Devices
- iii) Passwords, Backups
- iv) Often restart
Slow down
Unnecessary files created
Unable to install softwares.
- v) Hacking, Software theft, Spreading computer virus

[2X5 = 10 Marks]

7.

- i) Suitable flowchart
- ii) A – Passed written exam?, B – No, C – Yes, D – 24, E - count = count +1

[1X5 = 5 Marks]