80 :.- Information & Communication Technology

Instruction' t2 MArk Question Paper **I**

1. Get the template prepared for marking certified by the chief examiner.

2. Check the answer script first, and cross out all options of the question of which either more than one option is marked or not marked.

3. Mark either correct or incorrect on the question number itself.

4. DO NOT indicate correct or incorrect (~, x) marks on the candidate's answer.

5. Cut a window over the question numbers' column on the template, and mark correct *I* incorrect on the same column.

6. Count down the correct answers along each column and indicate under the same and then get the grand total of the correct answers *(xx140)* and write it in the cage given in right.

7. Be careful when adding up marks and writing it down in the second question paper.

8. Accept when the candidate has marked the answers by underlining the options or marked in the question paper itself without using the answer script.

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

Give 1 Mark for each correct answer. Total 40 marks (1x40)

1. Obtain ~ comprehensive understanding about the skills to be assessed before marking is started.

2. It is necessary to identify the level of competency that the candidate should exhibit regarding each skill during the discussion and impression marking. VVhat needs to be exhibited is the level of achievement the candidate should reach at the end of year 11.

3. There should be a consistency among examiners when giving marks. Drastic variations of the marks given to the same answer by ~al examiners should be avoided. It is recommended ·to follow the following with regaft!llo that.

   (i)   Strictly follow the marking scheme given.

   (ii)   Understand and follow the instructions of chief examiner.

   (iii)   Use the guidelines given in the handbook issued by the department of examination.

80 ~ Infonnation & Communication Technology

JOItructiOOl t2.MlliQuntion Paper **I**

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5. Cut a window over the question numbers' column on the template, and mark correct **I** incorrect on the same column.

6. Count down the correct answers along each column and indicate under the same and then get the grand total of the correct answers (xx/40) and write it in the cage given in right.

7. Accept when the candidate has marked the answers by underlining the options or marked in the question paper itself without using the answer script.

Question	Answer	Question	Answer	Question	Answer	Question	Answer
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7.	3	17.	4	27.	2	37.	3
8.	4	18.	2	28.	2	38.	1
9.	3	19.	1	29.	4	39.	4
10.	2	20.	4	30.	1	40.	4

Give 1 Mark for each correct answer. Total 40 marks (1X4O)

80 - Infonnation & Communication Technology

<u>100truction. to Mad! Qu"t1on Paper II</u>

1. Obtain a comprehensive understanding about the skills to be assessed before marking is started.

2. It is necessary to identify the level of competency that the candidate should exhibit regarding each skill during the discussion and impression marking. What needs to be exhibited is the level of achievement the candidate should reach at the end of year 11.

3. There should be a consistency among examiners when giving marks. Drastic variations of the marks given to the same answer by several examiners should be avoided. It is recommended to follow the following with regard to that.

   (i)   Strictly follow the marking scheme given .

   . (ii)   Understand and follow the instructions of chief examiner.

   (iii)   Use the guidelines given in the handbook issued by the department of examination.

i'	2 marks	1+1
II	2 marks	
till	2 marks	1+1
Uv	2 marks	
v	2marks	
vI)	2 marks	1+1
vII	2 marks	
ᶜviII)	2 marks	
llx	2 marks	
x)	2 marks	1+1

	I	3 marks
	II	3 marks
	llll	2 marks
	IVI	2 marks

I		2 marks
II		3 marks
llll		3 marks
Uv		2 marks

'I'	3 marks
II	4 marks
(III)	3 marks

I	3 marks
II	3 marks
~III)	4 marks

(I)	3 marks	Answer 3 parts out of 4.
II	3 marks	Give 1 mark for good writing
WI	3 marks	and presentation skills.
Hv	3 marks	(3+3+3+1=10)

9.

[20 marks]

(a) CAL *,cnline? e;c,m ,:Fr,,*
(b) Wor1d VVide Web **[1 + 1=2 marks]**
ṁcrocll e *(c ho..1)*

(ii) Password

(iii) (a) Not p-p (Security/Confidentiality issues)
(b) Does not allow audio / video data

(v) Speakers contain strong magnets which effect magnetic/electric
fields of CRT monitors. [2 marks]

(vi) (a) Low access time (fast access)
(b) Compact [1+1 =2 marks]

(vii) To maintain the temperature within the safety limits by removing
extra heat. [2 marks]

(viii) Rotate right by 90° [2 marks]

(ix) Explain and describe various parts / modules / steps in a program. [2 marks]
.:. t~(

(x) (a) Samples can be analyzed quickly and acc~ately.

(b) Decisions can be made quickly. [1 +1 • 2 marks]

Q2. [10 marks]

(i) (a) Preparing reports of the meetings
(b) Using e-mail [3 marks]
(c) Sending SMS

(ii) (a) E-mail application *SIW* to communicate with customers
and internal staff "

(b) Word Processing *SIW* to prepare & print reports, tables, [3 marks]
letters etc.
(c) DBMS *SIW* to maintain useful data of the organization
which have to be quickly accessible.
[E.g. List containing the details of employees]

(iii) (a) Convenience of communication
(b) Sharing of resources (2 marks)

(iv) (a) Keeping backups
(b) Passwords (2 marks)

(i) = 05*312   /D

(ii) = C5-0$3

(iii) = 05*0$3 +F5*E5

[2 marks] [3 marks] [3 Marks] [2 marks]

(i) First three numbers Last   : 1,3.6
            two numbers   : 28. 36,45

(ii)   Begin
                X=1
                T=1
Do VVhile T <50 OisplayT X=X+1 T=T+X
                End VVhile

y   alternative
modification   is
accepted

QS

I)   Health Issues   [3 marks]
     a   He is slouched on the chair. Not good for the spine.
     b. Head *I* face are too close to the CRT monitor. The user's head /face will be exposed to harmful
         radiation
     c. Environmental prolusiofl due dust, toxic odors due to heating of electronic devices ete
         1..pt ,   l' .•.•.)" ~

II) Safety Issues   [3 marks]
     a   The user is in the danger of falling off the small stool which is on wheels. Trampling
     b. electric wires.
     c   Possibility of catching fire due to overloading of the multi-plug extension board and short
         circuits caused by damaging the inAulation' of wires.
                                            n

III) Eliminating Health Issues   [2 marks]
     a. Sit up with back straight and shoulders back.
     b. Keep a distance form the monitors and use a radiation filter.
     c. Repair damaged window and let fresh air corne in. Keepthe place clean ..
                        I - 1h1~5.

Q6. [10 marks] Each part - 3 marks (3x3 = 9) and allocate the remaining 1 mark to good writing end presentation skills.

NOTE: Please read the students' answers carefUlly since there can be different answers. The following few points are given as a guide only.   .

(i) The inclusion of ICT on as a subject in the Advanced Level

[3 marks] - 1 mark for each strong, valid and independent point.

- Opens the door to higher education in ICT and other sectors as well.
- Establishes a national wide standard in ICT.
- Establishes equal opportunities among all Lankan students to learn ICT

(ii) Problems and challenges faced by students while learning ICT in school
[3 marks] - 1 mark for each strong, valid and independent point.

- Shortage of teachers with IT knowledge who can enrich the students learning experience with modem technology.
- Many schools do not have Intemet\facilities.
- Number of computers and other re$ources ar:.e insufficient.

(iii) Exploiting leT to develop tourism in Sri Lanka.
[3 marks] - 1 mark for each strong, valid and independent point.

- Using the web as a medium of marketing and information
- Improving communication facilities.
- On line reservations *I* payment methods.

(iv) The advantages of computerizing the process of issuing vehicle licenses. *[3 marks] - 1 mark for each strong, valid and independent point.*

- Quicker, sepJre and reliable than manual methods
- Fraudulenl'licenses can be easily detected   ..
- Ecrsily bi' authenticated