Provincial Special Exam ICT (80) – O/L - 2010
Part I

Question No	Answer	Question No	Answer	Question No	Answer	Question No	Answer
01	1	11	4	21	4	31	4
02	2	12	3	22	2	32	2
03	3	13	1	23	4	33	4
04	3	14	4	24	2	34	4
05	4	15	1	25	1	35	2
06	1	16	3	26	4	36	3
07	3	17	3	27	3	37	1
08	2	18	2	28	4	38	2
09	2	19	4	29	1	39	4
10	2	20	1	30	2	40	3

(40x1)

Part II

1.

i) Yes,

Marks of the subject is entered as data and average in obtain as an information. Average is used as data in another process and Obtain The status of student as "Pass" or "Fail" as information

Marks ⟶ Average ⟶ Average ⟶ Pass / Fail
(Data)   (Information)   (data)   (Information)
OR similar example (Z Scores...,)

ii) Supplies electricity to motherboard chips to store data and prevents data from loss

iii) * The capacity of the memory is low
* The speed of the CPU is slow
* Having no multimedia capability
* Less capacity of the Hard disk
* Not be able to work with the operating system
* The software is not be able to cooperate with the hardware

iv) * Sending appropriate font as an attachment
* Using dynamic/Unicode fonts
* Sending the document as images . Example as JPG (Image format E.g. JPG)

v) Keyboard entry device, Direct access device

vi) * Low capacity
* long access time
* short life time
* Handling and carrying is difficult
* Most expensive
* Easily damageable

vii) Intel, Motorola, Cyrix, AMD

viii) Crop
ix) http, fttp

x) Cache Memory

(2x10)

2. i. • Keeping the detail of the workers in a computer as a database
• For the exchange of information transfer   (Internet, e-mail , SMS)
• Document printings process, cards preparations
• Electronic entry time marking machine
• Preparing report

- Accounting process   (3 marks)

ii. Question - Backup.....
Answer - Possibility of the damages to the database. Computers may attacked by Viruses. Hard disk failure may occur. Databases may be damaged by natural hazards. So there is a possibility for the backup damage
OR

Question - characteristics of information.....
Answer – Accuracy, Breadth, Form, Origin, Time horizon, Frequency   (2 marks)

iii.
- Increase of the technical Knowledge and causes of expected expenditure
- The websites need to be updated frequently
- The disturbances of the data hackers
- unsatisfactory services of the Service providers
- Prevailing technical faults in the information transferring system
- Unable to work in some Browsers
- Not including their names in the search engines   (3 marks)

iv.   Speed ,Clear, Reduced sound , Inexpensive   (2 marks)

                    (2 marks)

3.

i.   =B2*10% 0R =B2 *10/100 OR =B2*0.1 OR = +B2*0.1   (2 Marks)

ii.   =IF(B2>=30000,B2*7%,B2*4%)   (2 Marks)

iii. = B2*B$8   OR = B2*$B$8   (2 Marks)
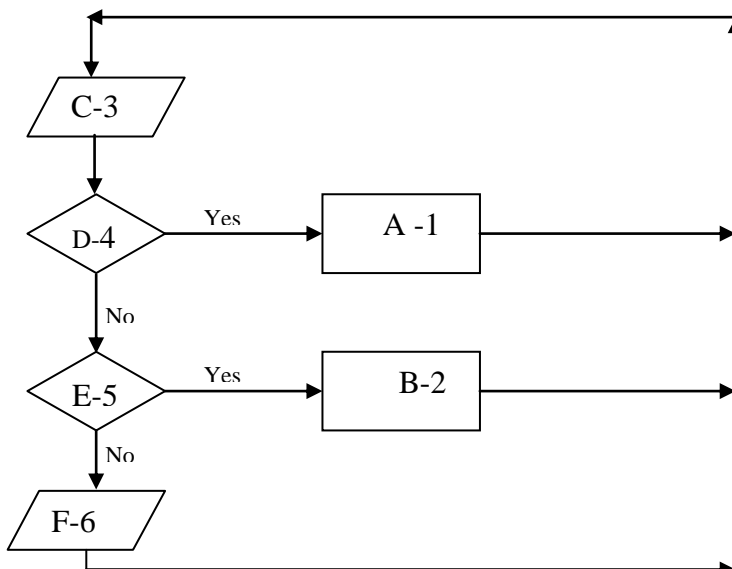   OR
      = B2*4%   OR = B2*4% (Consider Sinhala & English medium)

iv.   Gross salary (D2)
       =SUM(B2:C2) OR =B2+C2   OR =SUM(B2,C2)   (1 Mark)
            Salary deduction (H2)
            = SUM(E2:G2)   Or =E2+F2+G2   (1 Mark)
            Net Salary (I2)
            = D2-H2   OR   =(B2+C2)-H2   OR =(B2+C2)-(E2+F2+G2)   (2 Marks)

4. (a)   (3 marks)

i. / (b) Conditional Execution   (1 mark)
ii. / (c) Begin
            Read temperature in the lab
              Do while temperature >25 ºC then
              Turn off the A.C
              Do until temperature <25 ºC then
              Turn on the A.C
              End while
              End until
              Print temperature of the lab
              End.   (4 marks)

iii. /(d) ,(a)   Computer
                    Computer   (If answer sequentially written -   1 mark)
                    Computer
                    Computer
                    Computer   (2 marks)

        Consider (a) or (b) part of question No- 4. iii/(d)

            (b) 10
                12
                14
                16
                18 (If answer sequentially written -   1 mark)
                20
                22
                24
                28   (2 marks)

5.
    i.   a) Legal   / A security for the private personals property   (1 mark)
             b) Penalty fine / imprisoning.   (1 mark)
    ii.   a) An electronic mailing system for individuals to access through internet. It is personal which
            provide opportunity to meet people and exchange their desires. documents, pictures through
            internet   (1 mark)
            b) E-mail that is not requested.   Also known as "unsolicited commercial e-mail" (UCE),
            "unsolicited bulk e-mail" (UBE), "gray mail" and just plain "junk mail," the term is both a noun
            (the e-mail message) and a verb (to send it).   Spam is used to advertise products or to broadcast
            some political or social commentary.   (1 mark)

iii.   a) A way for one person to meet up with other people on the Net
            Contacting other people/friends.
            To arrange to meet/ find their interests/ etc.
             To share digital files (e.g. photos)   (1 mark)

b)   Able to know others bio data

Able to communicate with the known people / Can meet new people

We can communicate with the people who are not in near to us .

We can meet the people with same desires .   (2 marks)

c)   Identity theft

Members presenting themselves dishonestly/lying about themselves

Meeting people who are not what they appear to be (from the website)

Viruses

Hacking   (2 marks)

d)   Social network is being prepared in a separate way . The people who create Web Blog can create as their wish .

- In a social network meetings can be arranged quickly. But in a Web Blog we cant do this as in social network.
- Social network provide immediate access .But Web Blog uses send and receive system
- Social network has many facilities but Web Blog has limited facilities..   (1 mark)

06.   1   The importance of using "School net" in the School Learning and teaching process

- ❖ Using internet for the Knowledge search of students
- ❖ Information dissimilation through school websites
- ❖ Able to obtain syllabus materials and hand book
- ❖ Obtaining circulars
- ❖ Able to send and receive many information and notices.
- ❖ Electronic mail
- ❖ Able to share resources

(Provide full marks if any of the three points were included in their paragraph form answers)

2 The recent development in the Information and communication Technology
- ❖ Wireless technology
- ❖ 3G technology
- ❖ Wi-Fi
- ❖ Mobile traffic guidance
- ❖ Bluetooth Transmission
- ❖ Video conference, video calls
- ❖ Dongle usage
- ❖ Mobile internet browsing

(Provide full marks if any of the three points were included in their paragraph form answers)

3.   The health hazard occurs through the Hand phones and computer games

- ❖ Hearing deficiency
- ❖ Radiation health hazard
- ❖ Brain tumor causes by the waves
- ❖ Addiction
- ❖ Allergic condition due to long time listening (heat)
- ❖ Tumors may occur in the body parts due to the radiation
- ❖ The vibration of the mobile phones creates damages to the human body

(Provide full marks if any of the three points were included in their paragraph form answers)

4. The ICT Knowledge development for students through Software competition and computer quiz

- ❖ Persuading the students to learn more
- ❖ Increasing ICT related knowledge
- ❖ Providing an opportunity for creativity of the students
- ❖ Spending the time in useful manner

- ❖ New invention and discoveries were done
- ❖ Providing current issues in the Information and Communication Technology among students
- ❖ Able to identify talented students and opportunity for them to develop further
- ❖ Able to use computer teachers as resources in the school
- ❖ It is a pilot exam for the government exam in the school

(Provide full marks if any of the three points were included in their paragraph form answers)

(3 X 3 = 9+1)

Paragraph form - 1