AGA KHAN UNIVERSITY EXAMINATION BOARD

SECONDARY SCHOOL CERTIFICATE

CLASS IX EXAMINATION

MAY 2016

Computer Science Paper II

Time: 2 hours 25 minutes Marks: 40

AKU EAY EXAMINATIONS 2016

INSTRUCTIONS

Please read the following instructions carefully.

1. Check your name and school information. Sign if it is accurate.

I agree that this is my name and school. **Candidate's signature**

2. RUBRIC. There are SEVEN questions. Answer ALL questions. Questions 6 and 7 each offer TWO choices. Attempt any ONE choice from each.

3. When answering the questions:

   Read each question carefully.
   Use a black pointer to write your answers. DO NOT write your answers in pencil.
   Use a black pencil for diagrams. DO NOT use coloured pencils.
   DO NOT use staples, paper clips, glue, correcting fluid or ink erasers.
   Complete your answer in the allocated space only. DO NOT write outside the answer box.

4. The marks for the questions are shown in brackets ( ).

Q.1. (Total 5 Marks)

Write ONE feature of each of the following computing devices.

i. Pascaline

_____

_____

ii. Punch cards

_____

_____

iii. EDVAC

_____

_____

iv. ENIAC

_____

_____

v. Analytical engine

_____

_____

Q.2. (Total 5 Marks)

a. The parents of a school student offer him a new personal computer system. You are asked to help him select the input devices. Select any THREE input devices and give reasons for selecting each. (3 Marks)

_____

_____

_____

_____

_____

_____

AKU-EB MAY EXAMINATIONS 2016

b. Are floppy disks categorized as media or as devices? Give a reason to support your answer.
(2 Marks)

Q.3. (Total 4 Marks)

Find the value of X in binary number system for the given expression. (Note: Show your working.)

$(X)_2 = (F)_{16} + (9)_{10} + (7)_8$

AKU-EB MAY EXAMINATIONS 2016

Q.4. (Total 6 Marks)

a. Differentiate between log off and shutdown options in MS Windows. (2 Marks)

b. Mention TWO ways for saving a document for the first time in MS Word. (2 Marks)

c. Images can be captured with a digital camera. Describe TWO ways in which digital images can be inserted in a PowerPoint presentation. (2 Marks)

AKU-EB MAY EXAMINATIONS 2016

Q.5. (Total 5 Marks)

a. State the purpose of the following DOS commands.

i. Type myfile.txt (1 Mark)

ii. Del *.* (1 Mark)

iii. Dir/w (1 Mark)

b. There are two types of user interface in operating systems; Graphical User Interface (GUI) and Command Line Interface (CLI). Write ONE benefit of using each type of interface. (2 Marks)

AKU-EB MAY EXAMINATIONS 2016

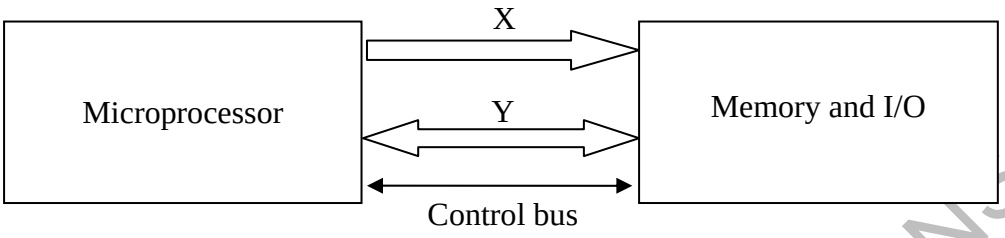
Q.6. (Total 7 Marks)

EITHER

a. Describe the advantages of using equipment based on hybrid technology. Give TWO examples of hybrid devices.

OR

b.



A 'bus' is basically a communication link between the processing unit and the peripheral devices. It is a group of wires that carry information in the form of bits.

i. Identify the missing buses X and Y in the given diagram.
ii. Describe ONE characteristic and ONE function of X and Y.
iii. What is the role of a microprocessor in a computer system?

AKU-EB MAY EXAMINATIONS 2016

AKU-EB MAY EXAMINATIONS 2016

Q.7. (Total 8 Marks)

EITHER

a.

i. Name any FOUR utility software/ programs.

ii. Describe the purpose of each utility software/ program that you have mentioned in part i.

OR

b.

i. Name any TWO application software of Microsoft that can help a teacher to improve his routine tasks such as preparation of lecture, report cards, attendance registers and time table.

ii. Describe THREE features of each application software that you have mentioned in part i.

AKU-EB MAY EXAMINATIONS 2016

AKU-EB MAY EXAMINATIONS 2016

END OF PAPER

Please use this page for rough work

AKU-EB MAY EXAMINATIONS 2016

Please use this page for rough work

AKU-EB MAY EXAMINATIONS 2016

Please use this page for rough work

AKU-EB MAY EXAMINATIONS 2016