ASIAN GRAMMAR SCHOOL

1st Term Assessment 2019

Information & Communication Technology II
Grade 11

Name: ....

Grade:...   Time: 2 hours

Answer all the questions

1. a) Tick true or false next to each of these statements.   [5]

		True	False
1	A control program is used to produce a business letter		
2	Using computers for long period of time is not good for your back		
3	Word processors can be used to produce business accounts		
4	Magnetic stripe readers are used for reading data from bank checks		
5	CD ROMs hold more data than DVD ROMs		

   b) Write one advantage of Mail merge facility.   [2]

   c) What is the short cut keys used for the following functions in Microsoft Word?   [3]

   o   To replace words   -

   o   To cut letters/objects   -

   o   To select the document   -

2. Draw a flowchart for the following Pascal code.   [10]

```
Program LargeNo (Input,output);
Var
N1, N2, Large: integer;
Begin
Writeln('Enter Two Numbers');
Read (N1 , N2);
If N1>N2 then
Large:=N1;
Else
Large :=N2;
Writeln('Large Number is';Large);
End.
```

03. Following is a part of a Microsoft Excel spreadsheet which calculates the total cost of stationary items distributed in different regions.

	A	B	C	D	E	F	G
1	Order Date	Region	Rep	Item	Units	Unit Cost	Total
2	1/6/2018	East	Jones	Pencil	95	1.99	189.05
3	1/23/2018	Central	Kivell	Binder	50	19.99	999.5
4	2/9/2018	Central	Jardine	Pencil	36	4.99	179.64
5	2/26/2018	Central	Gill	Pen	27	19.99	539.73
6	3/15/2018	West	Sorvino	Pencil	56	2.99	167.44
7	4/1/2018	East	Jones	Binder	60	4.99	299.4
8	4/18/2018	Central	Andrews	Pencil	75	1.99	149.25
9	5/5/2018	Central	Jardine	Pencil	90	4.99	449.1
10	5/22/2018	West	Thompson	Pencil	32	1.99	63.68
11	6/8/2018	East	Jones	Binder	60	8.99	539.4
12	6/25/2018	Central	Morgan	Pencil	90	4.99	449.1
13	7/12/2018	East	Howard	Binder	29	1.99	57.71
14	7/29/2018	East	Parent	Binder	81	19.99	1,619.19
15	8/15/2018	East	Jones	Pencil	35	4.99	174.65
16	Grand Total				.		5876.84
17		10% Discount				587.684	

(i) State the formulae or function which would be contained in the following cells. [4]

(a) G2 : ....

(b) G16: ....

(ii) What would be the formula displayed in G3 if the formula in G2 is copied to G3? [2]

....

(iii) If a 10% discount is given on the grand total, state the function/formula to calculate the amount. (cell F17) [2]

....

(iii) Write 2 advantages of using a spreadsheet package for such a calculation rather than using a calculator and a paper. [1]
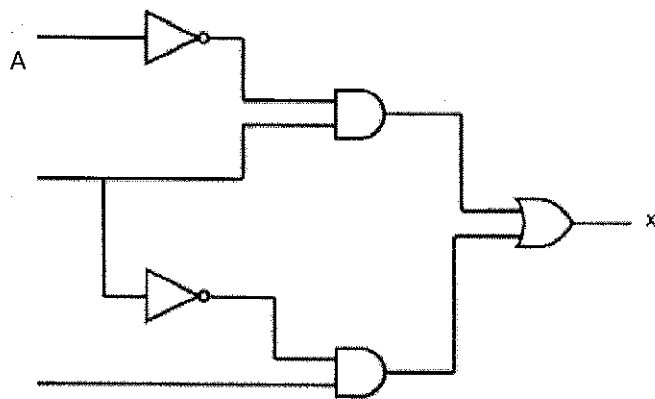
1. ....

2. ....

(iv) Name one suitable graph to show the above information. [1]

....

05. a) Derive the expression for the following logic gate.   [5]

....

b) Draw the truth table for the above logic circuit.   [6]

05. (i) Write two features of a database.   [2]

   (i) What is meant by data duplication? Explain with an example.   [2]

   (ii) Write 2 disadvantages of data duplication.   [2]

   (iii) Define primary key and foreign key.   [4]

06. Write short notes on three of the following.   [3x3]

   (i) Services of an operating system.

   (ii) Network Topology.

   (iii) Data Transmission Media

   (iv) Characteristics of a good quality presentation.

Name: ....

Grade:..   Time: 1 hour

- **Answer all questions.**
- **Mark a cross (X) on the number corresponding to your choice in the answer sheet provided.**

1. What was the name of first equipment designed by Charlse Babbage?
   (1) Analytical Engine
   (2) Difference Engine
   (3) Colossus
   (4) ENIAC

2. First generation (IG/I Gen) computers were based on
   (1) Vacuum tubes   (2) Transistor
   (3) Integrated circuits.   (4) Microprocessors.

3. The most general term used to describe the physical components of a computer is
   (1) Software   (2) Hardware   (3) Firmware   (4) Live ware

4. The part of a computer that processes instructions, performs calculations, makes logical decisions and manages the flow of data through the computer system is known as
   (1) Hard Disk   (2) RAM   (3) Data Bus   (4) CPU

5. On the keyboard of computer each character has an "ASCII" value which stands for:.
   (1) Adaptable Standard Code for Information Change
   (2) American Stock Code for Information Interchange
   (3) African Standard Code for Information Interchange
   (4) American Standard Code for Information Interchange

6. Under which of the following categories is a laptop computer classified?
   (1) Microcomputer   (2) Minicomputer   (3) Mainframe   (4) Supercomputer

7. Which of the following statement is correct?
   (1) Modem is software
   (2) Modem is an operating system
   (3) Modem helps in stabilizing the voltage
   (4) Modem converts the analog signals into digital signals and vice –versa.

8. CPU gets the address of next instruction to be processed from
   (1) Instruction register   (2) Memory address register
   (3) Index register   (4) Program counter

9. Which of the following statements is incorrect regarding the computer memory?
   (1) Memory refers to the primary memory or internal memory of the computer
   (2) It holds data & program instruction for processing.
   (3) If the electrical power is cut off then the stored data & instruction will be lost.
   (4) It is the place where arithmetic and logic operations are done.

10. A computer network which is limited to a geographical area /region is known as a
    (1) LAN   (2) WAN   (3) VAN   (4) MAN

11. What is the topology of the computer network shown in the following diagram?
    (1) Bus   (2) Star
    (3) Ring   (4) Tree
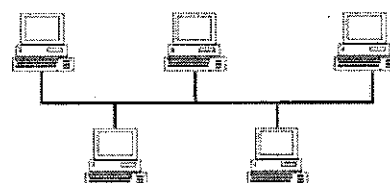
12. Microsoft Windows XP is an example of a/an
    (1) Application software   (2) System Software
    (3) System utility.   (4) Graphical User Interface (GUI)

13. Which is the largest unit of storage among the following?
   (1) Gigabyte   (2) Kilobyte   (3) Megabyte   (4) Terabyte

14. Which of the following statements are true?
    A - A bit is the smallest unit of information that a computer can process.
    B - A bytes is the smallest unit of information that a computer can process.
    C - A bit contains 8 bytes.
    D - A bytes contains 8 bit
    (1) A and C   (2) A and D   (3) B and C   (4) B and D

15. The decimal equivalent of 101110_2
    (1) 55   (2) 46   (3) 70   (4) 47

16. The binary equivalent of decimal 12 is
    (1) 1001   (2) 1100   (3) 1111   (4) 10101

17. Which of the following has least value?
    (1) 45_{10} (2) 11000_2 (3) 37_8 (4) $1A_{16}$

18.
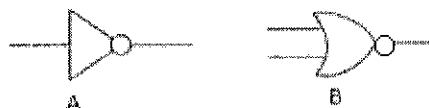
A B   In digital logic the above symbols A and B respectively represent the gates
   (1) NOR and NOT.   (2) NOR and OR.
   (3) NOT and OR.   (4) NOT and NOR.

19. The following is a truth table of a certain logic gate that has two inputs A, B and an output F.
    The logic gate is
    (1) OR   (2) AND   (3) NOR   (4) NAND

A	B	F
0	0	1
0	1	0
1	0	0
1	1	0

2

20. Which of the following statements is/are true regarding an Information System?
   A - Applications software converts data into information.
   B - Systems software controls hardware.
   (1) A only   (2) B only   (3) A and B   (4) None of the above

21. Which one of the following operations can be used to move Text and Graphics in application programs working under the Windows Operating System?
   (1) Cut and Paste   (2) Cut and Copy
   (3) Delete and Move   (4) Erase and insert

22. What is ~~true~~ incorrect regarding the preparation of a document using the Microsoft Word package?
   (1) When typing a document it is necessary to press Enter Key at the end of each line.
   (2) Text can be inserted only by creating a text box.
   (3) Different pages of a document can be set to different paper sizes.
   (4) Different types of text formatting operations such as changing colour can be used.

23. In Microsoft Word, which of the following keyboard shortcuts are used to Find and Replace?
   (1) ctrl + X   (2) ctrl + A
   (3) ctrl + H   (4) ctrl + F

24. Which of the following software facilitates both sorting and analyzing of data?
   (1) Word processing   (2) Internet browser
   (3) Spreadsheet Processing   (4) Presentation graphics

25. What function in Microsoft Excel is used to find the lowest value in a range of cells?
   (1) =max()   (2) =min()
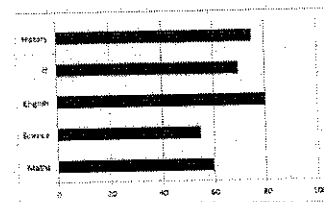   (3) =lower()   (4) =floor()

26. The following figure shows a part of a Microsoft Excel Spreadsheet. Which of the following can be used to add the given values 10, 20 and 30?
   A = SUM(A1:A3)   B = A1 SUM A2 SUM A3   C = A1 + A2 + A3   D = SUM(A1,A2,A3)
   (1) A only   (2) A and B only   (3) A and C only   (4) A ,C and D only

	A	B	C
1	10		
2	20		
3	30		
4			
5			

27. What is the type of Microsoft Excel chart represented by the given diagram?
   (1) Column chart   (2) Bar chart   (3) Pie chart   (4) Line chart

28. An example of a key field in a Table which contains data of patients in a hospital be
   (1) Date of admission   (2) Admission number   (3) Name   (4) Address

29. Which data type is appropriate to represent a telephone number (e.g. 012 3456789) in Microsoft Access
   (1) Text   (2) Byte   (3) Memo   (4) Integer

3

30. Which of the following problems have been solved by Computer Networks in an office environment?
    A - Difficulty in sharing of resources.
    B - Data redundancy
    C - Cost of communication

    (1) A and C only   (2) A and B only   (3) B and C only   (4) All A, B, and C

31. An error in a computer program is referred to as a
    (1) Syntax.   (2) Bug   (3) debug   (4) virus.

32. The logical structure of the flowchart given below shows:
    (1) a sequence   (2) sequence & iteration
    (3) sequence and simple selection   (4) an iteration
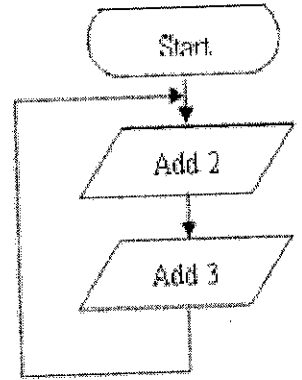
33. In computer applications, the acronym CAD generally stands for:
    (1) Computer Aided Drawing   (2) Computer Aided Design
    (3) Computer And Data   (4) Customized Application Design

34. Which of the following is false about the Internet?
    (1) Nobody owns the Internet
    (2) There is no centralized control.
    (3) It is a network of computer networks.
    (4) All the information available is extremely accurate and highly reliable.

35. A Primary Key is a code that uniquely identifies a _____ in a Database.
    (1) Record   (2) Field   (3) Text   (4) Number

36. _____ is a raw fact about a person or an object.
    (1) File   (2) Lookup Wizard   (3) Data   (4) Information

37. _____ is a column in a table that contains a category of information.
    (1) Field   (2) Table   (3) Query   (4) Label

38. PowerPoint presentations are widely used as
    (1) note outlines for teachers
    (2) project presentations by students
    (3) communication of planning
    (4) all of above

39. Which shortcut key inserts a new slide in current presentation?
    (1) Ctrl + N
    (2) Ctrl + M
    (3) Ctrl + S
    (4) All of above

40. Which of following is not a part of Slide Design?
    (1) Design Template
    (2) Colour Scheme
    (3) Animation Scheme
    (4) Slide Layout