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Department of Examinations, Sri Lanka

கூடுமொத்த பாதுகாப்பு வினாக்கள்	2017
தொழில்நுட்ப வினாக்கள்	2017
General Information Technology Examination, 2017	

ஸாமானிய தொரத்துவம்	I, II
பொதுத் தகவல் தொழில்நுட்பவியல்	I, II
General Information Technology	I, II

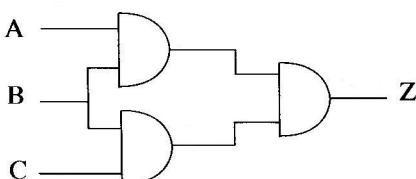
GIT | 01 | E | I, II

பூர்வ நினைவு மணித்தியாலம்
Three hours

General Information Technology II

Important :

- * **Answer all questions** on the Answer Sheet provided.
 - * Write your **Index Number** in the space provided on the answer sheet.
 - * Instructions are given on the back of the answer sheet. Follow them carefully.
 - * In each of the questions **1 to 40**, pick one of the alternatives (1), (2), (3), (4) which is **correct or most appropriate** and mark your response on the answer sheet in accordance with the instructions given therein.



Inputs		
A	B	C
0	1	0
0	1	1

9. Which of the following are benefits of a computer network over standalone desktop computers?

- A - Sharing a hardware device such as a printer attached to the network
- B - Reduced risk of virus attacks on computers connected to the network
- C - Sharing of files and directories among machines on the network
- (1) A and B only (2) A and C only (3) B and C only (4) All A, B and C

10. Consider the following URL:

http://www.xyz.lk/home/index.html

_____ | _____ | _____ | _____

- (A)
- (B)
- (C)
- (D)

Which of the following correctly identifies the parts (A), (B), (C) and (D) of the above URL?

- (1) (A) = domain, (B) = protocol, (C) = directory, (D) = page
- (2) (A) = protocol, (B) = directory, (C) = domain, (D) = page
- (3) (A) = protocol, (B) = domain, (C) = directory, (D) = page
- (4) (A) = protocol, (B) = domain, (C) = page, (D) = directory

11. Which of the following statements relating to the Internet are true?

- A - IP address is used to (uniquely) identify a computer.
- B - URL is used to (uniquely) identify a web page.
- C - WWW is a service of the Internet.
- (1) A and B only (2) A and C only (3) B and C only (4) All A, B and C

12. Which of the following may help to alleviate (reduce) the digital divide?

- A - Upgrading a school computer laboratory by replacing CRT display units with LED screens.
- B - Providing computing and Internet facilities in public libraries
- C - Providing free Wi-Fi facilities in public places
- (1) A only (2) A and B only (3) B and C only (4) All A, B and C

13. is a service of the Internet.

Which of the following is suitable to fill the blank?

- (1) Email (2) HTTP (3) IP Address (4) Web browser

14. Which of the following folders are the default folders of an email system?

- (1) Inbox, Delete, Draft, Sent (2) Inbox, Delete, Sent, Trash
- (3) Inbox, Draft, Sent, Save (4) Inbox, Draft, Sent, Trash

15. Which of the following lists consists of only web browsers?

- (1) Internet Explorer, Google Chrome, Firefox (2) Linux, Google Chrome, Internet Explorer
- (3) Linux, Open Office, Firefox (4) Open Office, Google Chrome, Firefox

16. Consider the following statements related to page layout of a word processed document:

- A - Page margins are identified as Top, Bottom, Left and Right.
- B - Portrait and landscape are types of page orientations.
- C - Some of the paper sizes are A4, letter, legal and executive.

Which of the above statement/s is/are correct?

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

17. Some common icons frequently used in word processing software are shown below. Consider the following statements related to these icons:

A - The  icon represents "Undo" while "Redo" is represented by 

B - The  icon represents "Subscript" while "Superscript" is represented by 

C - The  icon represents "Decrease indent" while "Increase indent" is represented by 

Which of the above statements is/are correct?

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

18. Consider the following statements regarding word-processing software:

- A - The small blinking bar in the editing area is called the *cursor*.
- B - Lengthy documents can be moved up and down by using the vertical scroll bar.
- C - Thesaurus is a tool generally found in word processing software.

Which of the above statement/s is/are true?

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

19. The command *Word Count* in word processing software is usually used to get the number of words in a document. Which of the following can also be obtained through this command?

- A - number of characters
- B - number of lines
- C - number of paragraphs

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

20. Which of the following will **not** advance the slides in the *slide show view* of presentation software?

- (1) Pressing *Enter* key (2) Pressing *Esc* key
 (3) Pressing left button of the mouse (4) Pressing *Space* bar key

21. Consider the following statements regarding presentation software:

- A - *CTRL+P* will direct the presentation to a printer.
- B - The previous slide could be displayed by pressing P key within a slide show.

Which of the following is valid regarding the above statements?

- (1) Only A is correct (2) Only B is correct
 (3) Both A and B are correct (4) Both A and B are incorrect

22. Prices of grocery items sold in a shop are given in the spreadsheet segment shown here. What is the most suitable function that could be used to obtain the total number of grocery items in the given list?

- (1) count (2) max
 (3) rank (4) sum

	A	B
1	Control Price of Grocery Items	
2	Item	Price Rs./Kg
3	Sugar (White)	98.00
4	Sugar (Brown)	103.00
5	Rice (Samba)	112.00
6	Rice (Red)	110.00
7	Rice (White)	102.00
8	Plain Flour	54.00
9	Dhall	127.00
10	Green Gram	145.00
11
12

● Consider the spreadsheet segment given below to answer questions 23 to 25.

	A	B	C	D	E
Canteen Accounts - 2016					
2	Total Income	635,235.00			
3	Total Expenditure	398,285.00			
4	Profit				
5	Amount for Welfare				
6	Amount for Development				
7					

	Allocation for	
	Welfare	Development
0.20	0.80	

Total Income and *Total Expenditure* of a school canteen for the year 2016 are given in the spreadsheet segment given above. A 20% of the *Profit* is allocated for student welfare and the balance 80% of the *Profit* is allocated for the development of the canteen. Profit for the year is obtained by subtracting expenditure from income.

23. What is the most suitable formula which should be written in the cell B4 to calculate the profit?

- (1) =sum(B2:B3) (2) =sum(B2,B3) (3) =(B2-B3) (4) =(B3-B2)

24. What is the formula which should be written in the cell B5 to obtain the amount allocated for welfare?

- (1) =D2*B4 (2) =D2-B4 (3) =D3*B4 (4) =D3-B4

25. Consider the formulae represented by X, Y and Z:

X) =B4-B5

Y) =E3*B4

Z) =B4*B5

Which of the above formulae is/are suitable to be written to cell B6 in order to calculate the amount for development?

- (1) X only (2) X and Y only (3) Y and Z only (4) All X, Y and Z

- 26.** Which of the following are examples of e-governance?
 A - A person applying for his vehicle revenue licence online
 B - Students accessing exam results from the Department of Examinations website
 C - A school library using an automated system to issue books to school children
 (1) A only (2) A and B only (3) B and C only (4) All A, B and C
- 27.** Consider the following scenario:
 Piumi passed GCE A/L last year. She can use word processing, spreadsheet and electronic presentation software. She can design and prepare documents such as reports, books, magazines, etc. Which of the following are possible employment positions for Piumi based on her skills?
 (1) Data Entry Operator, System Analyst
 (2) Desktop Publisher, Computer Applications Assistant
 (3) Web Developer, Computer Applications Assistant
 (4) Web Developer, Data Entry Operator
- 28.** Certain advertising networks place targeted advertisements on user web pages. Such networks monitor user behaviour without their consent. Which of the following is the most relevant issue involved here?
 (1) piracy (2) hacking (3) privacy violation (4) security threat
- 29.** Consider the following statements relating to online shopping:
 A - It saves travelling time spent for shopping.
 B - Customers cannot physically examine a product before buying it.
 C - Customers can find cheaper products easily.
 Which of the above are correct statements relating to online shopping?
 (1) A and B only (2) A and C only (3) B and C only (4) All A, B and C
- 30.** Consider the following two statements:
 Statement A - Heavy use of social media may lead to lack of face to face communication skills.
 Statement B - Social media can be used as a marketing tool to promote sale of products and services.
 Which of the following is valid in relation to the above two statements?
 (1) Both statements A and B are correct.
 (2) Both statements A and B are incorrect.
 (3) Only Statement A is correct.
 (4) Only Statement B is correct.
- 31.** Which of the following lists provides **only** the technical specifications of a laptop computer?
 (1) number of USB ports, after sales service, capacity of RAM, size of the display
 (2) processor speed, hard disk capacity, price, capacity of RAM
 (3) processor speed, size of the display, number of USB ports, hard disk capacity
 (4) warranty period, reputation of the seller, number of USB ports, weight of the laptop
- Questions **32** to **34** are based on the database table of employees in a company given below.

Name	Address	Mobile_Phone_No	Date_of_Birth	Date_Joined	Basic_Salary
Sugath	2, Ran Mawatha, Col.2	0795224455	28/02/1979	01/02/2002	Rs. 28,500.00
Lekha	11, Ratnam St., Ja-ela	0792153731	17/03/1981	01/10/2005	Rs. 24,000.00
Raheem	2, Ran Mawatha, Col.2	0797464642	02/11/1983	01/08/2007	Rs. 27,500.00
Mallika	7, Main Road, Negombo	0796811357	17/03/1981	01/01/2010	Rs. 24,000.00
Raheem	9, Flower Rd, Nugegoda	0796812357	11/09/1978	01/07/2007	Rs. 19,250.00

- 32.** Which of the following presents the field types of the fields Mobile_Phone_No, Date_of_Birth and Basic_Salary in the given order?
 (1) Number, Date, Number
 (2) Number, Text, Number
 (3) Text, Date, Currency
 (4) Text, Text, Number

33. The company uses the Mobile_Phone_No as the primary key at present. Which of the following reasons will make it unsuitable as the primary key?
- A - Two employees may share the same mobile phone number
 - B - A new employee may not use a mobile phone
 - C - Some employees may change their mobile phone numbers often
- (1) A and B only (2) A and C only (3) B and C only (4) All A, B and C
34. Which of the following fields is useful to calculate the service period of an employee?
- (1) Basic_Salary (2) Date_of_Birth (3) Date_Joined (4) Mobile_Phone_No
35. Consider the following statements regarding an operating system:
- A - It is the first program that starts when the computer is turned on.
 - B - It manages the resources of the computer.
 - C - One of its main functions is to protect the computer from unauthorized access through the network by hackers.
- Which of the above statements are true?
- (1) A and B only (2) A and C only (3) B and C only (4) All A, B and C
36. Column 1 in the table below gives some categories of software and column 2 gives some examples. However, the items in the two columns may not match.

Categories	Examples
① Operating systems	A: Java, BASIC
② Programming languages	B: LibreOffice Calc, Microsoft Excel
③ Word processing software	C: LibreOffice Impress, Microsoft Powerpoint
④ Spreadsheet software	D: LibreOffice Writer, Microsoft Word
⑤ Presentation software	E: Microsoft Windows, Ubuntu

- What is the correct matching between the two columns?
- (1) ① → E, ② → A, ③ → C, ④ → D, ⑤ → B
(2) ① → B, ② → D, ③ → C, ④ → E, ⑤ → A
(3) ① → D, ② → A, ③ → B, ④ → C, ⑤ → E
(4) ① → E, ② → A, ③ → D, ④ → B, ⑤ → C

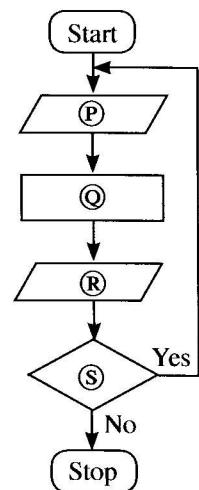
37. The area and the circumference of a circle is calculated using πr^2 and $2\pi r$ respectively, where r is the radius of the circle and π is a constant ($\pi = 22/7$).

The labelled flow chart shown repeatedly reads the radius of a circle and calculates and displays its area and circumference. The labels P, Q, R and S need to be identified appropriately from A, B, C and D given below.

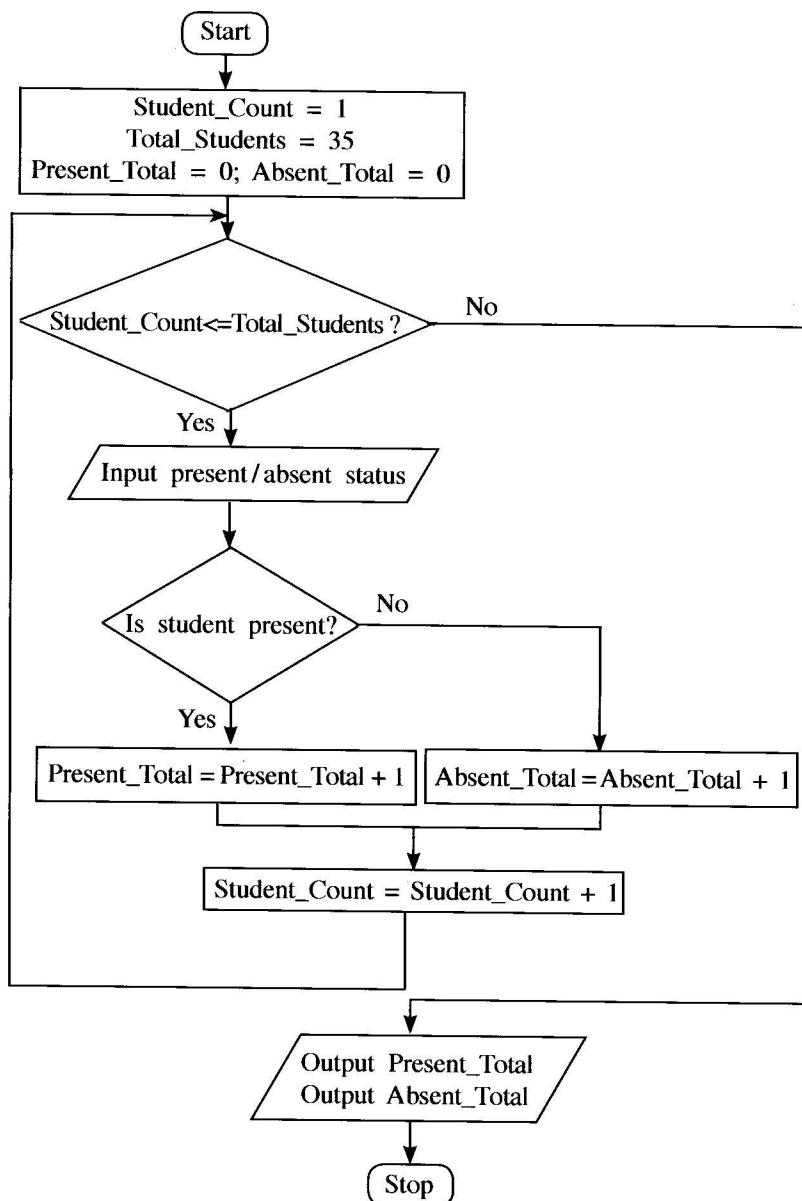
- A : Display Area, Circumference
B : Is there any more input?
C : $\text{Area}=(22/7) \times \text{Radius} \times \text{Radius}$
 $\text{Circumference}=2 \times (22/7) \times \text{Radius}$
D : Input Radius

Which of the following gives the correct matching?

- (1) P = A, Q = D, R = C, S = B
(2) P = B, Q = A, R = C, S = D
(3) P = D, Q = C, R = A, S = B
(4) P = D, Q = B, R = C, S = A



- Questions 38 to 40 are based on the following flowchart which calculates the number of students who are present and absent in a class of a school:



1