



G.C.E. A/L Examination November - 2019

Conducted by Field Work Centre, Thondaimanaru

In Collaboration with

Provincial Department of Education, Northern Province.

General Knowledge

Time :- 2.00 Hours

Attentions :

- ❖ From the questions 1 to 60, choose the correct one and mark on the answers given (1), (2), (3), (4), (5) by putting (x).

01) Sri Lankan prime Minister visited to Maldives. The statements of Maldives are given.

- A- It is situated beyond 983 km from Sri Lanka.
B- The population of Maldives are reached with 400 000
C- The literacy level is 98.61
D - The language is Arabic.

Which is wrong

- 1) A 2) B 3) C 4) D 5) A and D

02) Professor Khalo Fonseka died in the month of September 2019. The following statements of him are given.

- A- He is an expert in the medical field.
B- He is a politician
C- He is a singer

Which is correct

- 1) only A 2) Only B 3) A and B
4) B and C 5) A, B and C

03) "Amazon forest" is located in the continent of South America with 0.55 million square km. The forest fire had been spread and damaged everything. What is the country situated in the rainforest of Amazon with many areas.

- 1) Brazil 2) Peru 3) Bolivia
4) Colombia 5) Venezuela

04) The total number of G. C. E (A / L) students who have faced the final examination in 2019

- 1) 0.2 Million 2) 0.26 Million 3) 0.3 Million
4) 0.34 Million 5) 0.4 Million

- 05) The huge intelligent technological event which is 50th anniversary was celebrated on 20.7.2019. What is the event?
- 1) Invention of DNA 2) Invention of Aeroplane 3) Reaching moon
4) Invention of computer mouse 5) Invention of Periodic table
- 06) What is the championship country of African trophy for the football match in 2019.
- 1) Alginia 2) Senegal 3) Egypt 4) Nigeriya 5) Kenya
- 07) How many places of exhibition named "Enterprise Sri Lanka" which is a national exhibition up to September 2019. conducted in Sri Lanka
- 1) 1 2) 2 3) 3 4) 4 5) 5
- 08) The big rain water collected scheme. was opened in Sri Lanka by the president Maithribala srisena recently. What is the place built it.
- 1) Poinpetro's coastal are in Northern Province 2) Arugambai in Eastern province
3) Keravelapitia in southern province 4) Puttala in North west province
5) Lakkala in central province.
- 09) Which country has hight density population?
- 1) China 2) Monka 3) Sinhapoor
4) Vathikan 5) Maldives
- 10) Inwhich country will the competence of Asian sports be held in 2026.
- 1) China 2) Indonesia 3) Japan
4) India 5) Maldives
- 11) Raja invested an amount of Rs. 3200 at 45% per annum of simple interest. How long will it take Raja to receive Rs 576 as interest
- 1) 3.5 Years 2) 4 Years 3) 4.5 Years
4) 5 Years 5) 5.5 Years
- 12) The mathematical operation \oplus is defind on any two numbers x and y by $x \oplus y = x(x + y) + y$. What is the value of $(1 \oplus 2) - (2 \oplus 1)$?
- 1) -4 2) -3 3) -2 4) 3 5) 4
- 13) A garge owner buys a used car for Rs 4.2 million and spends Rs. 800 000 to repair it before selling the car for Rs. 5.8 million. What is the profit percentage?
- 1) 15.5% 2) 16% 3) 18% 4) 20% 5) 22%

14) One student has got 35 marks for a Math test. But it was recorded wrongly as 85 in the mark sheet of the class. After the correction was made, the class average (mean) of the test went down by 2 marks. How many students took the test?

- 1) 15 2) 20 3) 25 4) 35 5) 40

15) To complete a 15 km distance race, Amala normally takes $\frac{1}{2}$ hour more than Balan. If Amalan doubles his speed, then he would take $\frac{1}{2}$ hour less than Balan to complete the race. What is the normal speed of Balan?

- 1) 10 km h⁻¹ 2) 7.5 km h⁻¹ 3) 6.5 km h⁻¹
 4) 6.0 km h⁻¹ 5) 5.0 km h⁻¹

16) Mr. Selan who was born in 1962, will be twice as old as his son, Nathan in 2022. How old is Nathan now?

- 1) 15 years 2) 20 years 3) 30 years
 4) 31 years 5) 32 years

17) If the length of each side of a rectangle is increased by 30%, then what is the percentage increase in the area of the rectangle

- 1) 48% 2) 49% 3) 64% 4) 69% 5) 96%

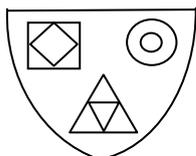
18) A, B and C are employees of the same company earning salaries in the ratio 2 : 3 : 4. If they received increments of 20%, 20% and 30% respectively in their salaries, then what will be the new ratio of their salaries?

- 1) 5 : 9 : 13 2) 6 : 6 : 13 3) 6 : 9 : 13 4) 6 : 9 : 14 5) 7 : 9 : 13

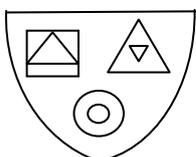
19) Eight identical machines, operating at the same constant rate, can produce 360 items per minute. At the same rate, how many such items could 15 similar machines produce in 6 minutes?

- 1) 2700 2) 3000 3) 3150 4) 3250 5) 3300

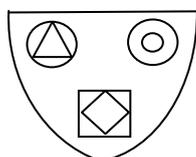
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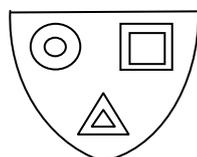
A Diagram is left side . Select a diagram that has the most similar feature with the first from among the five choices given and select its number



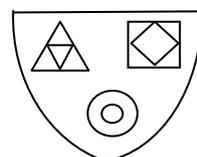
(1)



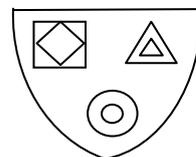
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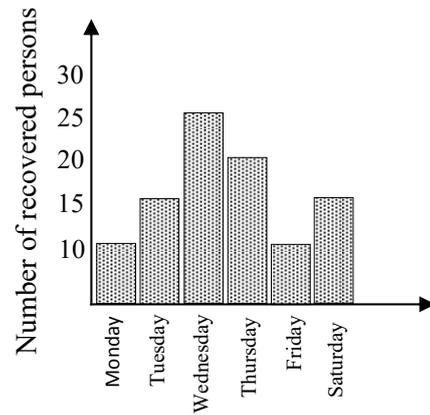
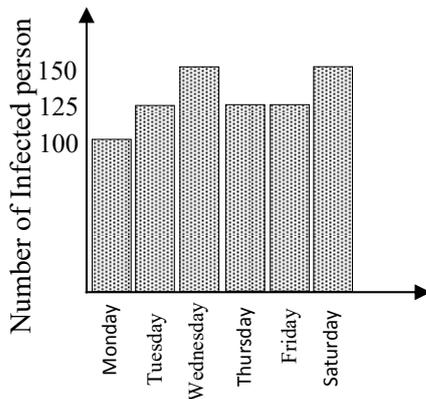


(4)



(5)

- ❖ For questions 21 and 22, refer the following graphs which show the number of infected and recovered persons in each day from some non – fatal viral fever in a selected region during six consecutive days



- 21) On which day a minimum number of persons got infected with the viral fever?
 1) Monday 2) Tuesday 3) Wednesday 4) Thursday 5) Friday
- 22) How many Average got infected during the 5 – day period from Monday to Friday?
 1) 100 2) 104 3) 110 4) 120 5) 130

- ❖ For questions 23 and 24, consider the following conversation that took place at the doorstep of a lift which was about to go up.

- Person 1 ● At least two more persons can ride this lift
- Person 2 ● Actually, it can hold more than five.
- Person 3 ● That's crazy. This is already over crowded. I might have to get off to let it move up.
- Person 4 ● Well, there are just four of us inside the lift.

- 23) If only three persons speak truth in the above conversation, how many persons could possibly be the capacity of the lift?
 1) Two 2) Three 3) Four
 4) Five 5) Six
- 24) If there are only two persons in the lift and more than one of the four persons spoke truth, then how many persons could possibly be the capacity of the lift?
 1) Two 2) Three 3) Four
 4) Five 5) Six

❖ Accordingly, write the number of the choice that contains the correct answer for each of the following questions.

28) What are the two days that number 3 should **not** work?

- 1) Monday, Wednesday 2) Tuesday, Thursday 3) Tuesday, Friday
4) Tuesday, Friday 5) Monday, Friday

29) Which of the following days should be a day that number 4 should work?

- 1) Monday 2) Tuesday 3) Thursday 4) Friday 5) செவ்வாய் வாழ்க்கை வாழ்க்கை

30) What are the two days that number 6 should work?

- 1) Tuesday, Thursday 2) Tuesday, Friday 3) Monday, Wednesday
4) Wednesday, Friday 5) Tuesday, Wednesday

31) Two travellers lost in a jungle 3.5 km apart and each person reaches the other in a speed of 1 km h^{-1} calling out the other's name loudly. One traveller can shout at a range of 1 km and the other only 0.5 km. In how many minutes would they hear each other?

- 1) 30 2) 60 3) 75 4) 90 5) 120

❖ Questions 32, 33 and 34 are based on the following information.

An intelligence agency formed a secret language to cipher the dates from 01st January 1950. Accordingly, 12th February 1987 was ciphered as 2789120 and 15th July 2001 as 7100217.

32) Which date is ciphered as 8910217?

- 1) 17th January, 1999 2) 15th March, 2003 3) 21st February, 2019
4) 15th August, 2019 5) 21st December, 2021

33) Which of the following is **not** a possible ciphered date?

- 1) 11100211 2) 3899120 3) 11599116
4) 289911 5) 1069112

34) After sometime, the intelligence agency identified a major drawback in this language. Which of the following code could be used to demonstrate it?

- 1) 11100220 2) 4599112 3) 999912 4) 2020220 5) 1210223

❖ Under each of the questions from No. 35 to 37 four statements are given. Out of them, three statements are consistent with each other in relation to a certain fact. Although the remaining statements also may not be false, there is no evidence to prove that it is consistent with two other statements.

35) 1. The examination is held on Tuesday

2. Thursday is the Poya day

3. The examination is held on the twenty seventh.

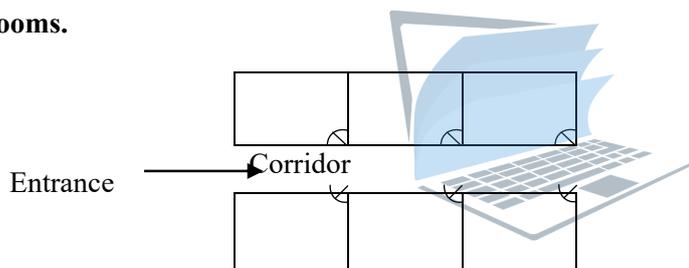
4. The poya day is the day following the day after the examination

- 1) 1 2) 2 3) 3 4) 4 5) None of these

- 36) 1. The most expensive biscuits are brought by Sunil and the least expensive biscuits are brought by Kamal.
2. Although the biscuits brought by Nimal are not much expensive, they are of a new taste.
3. Although the biscuits by Sunil are not as tasty as the tastiest biscuits brought by Nimal, they are more expensive.
4. Biscuits brought by Nimal are more expensive and also tasty than the biscuits brought by Kamala.
- 1) 1 2) 2 3) 3 4) 4 5) None of those

- 37) 1. The ascending order of A, B, C and E is B, C, A, E
2. The descending order of A, C, D and E is D, E, A, C.
3. The ascending order of A, B, C and D is B, C, A, D
4. The descending order of B, C, E and F is E, C, B, F
- 1) 1 2) 2 3) 3 4) 4 5) None of those

❖ Questions from No. 38 to 40 are based on the allocation of rooms in a newly built office having six rooms.



- ◆ These rooms are to be allocated to the lawyers A, B, C, D, E and F. Their rooms are situated three each on either side of a corridor
- B and C are allocated two rooms on the right hand side of the corridor
 - A is given a room on the left hand side.
 - E and F are given two rooms facing each other on either side of the corridor
 - C and D are given two rooms facing each other on either side of the corridor
 - Although E was longing for a room in a corner of the building it did not materialized.
 - F was given a room beyond that of A on the same side.

According to the information select the correct answer for each question below.

- 38) When E sits in his room facing the corridor, who received the room on his left hand side?
- 1) A 2) B 3) C 4) D 5) None of these
- 39) Whose room is situated face to face with A's room?
- 1) B 2) C 3) D 4) E 5) None of these

40) Who has received the rooms adjoining F's room?

- 1) only to A 2) only to C 3) to A and D
4) to B and C 5) None of these

❖ Under each question from No. 41 to 43 a certain problem and two statements I and II are given.

Out of the two statements write.

- ◆ No. 1 if the problem can be solved using only statement I
- ◆ No. 2 if the problem can be solved using only statement II
- ◆ No. 3 if the problem can be solved using both statements I and II
- ◆ No. 4 if the problem can be solved using statements I and II separately.
- ◆ No. 5 if the problem **cannot** be solved using any of the statements I and II

41) **Problem** :- Of the four pupils Tharaka, Malaka, Devaka and Seneka the weight of the heaviest pupil is 40 kilogram. Accordingly, what is the weight of the lightest pupil of them in kilograms?

Statement :- I. The sum of the weights of Malaka and Seneka is 20 kilograms more than the weight and Devaka.

II. The sum of the weights of Seneka and Devaka is 20 kilograms more than the weight of Tharaka

- 1) 1 2) 2 3) 3 4) 4 5) 5

42) **Problem**:- Of the blue, red and green coloured buttons in a container 150 are red. What is the total number of buttons in that container?

Statement :-I 50% of the buttons in the container is blue

II 350 out of the buttons in the container is green

- 1) 1 2) 2 3) 3 4) 4 5) 5

43) **Problem**:- Some of the competitors who participated in a marathon completed the race and some did not complete it. What is the total number of competitors who participated in that marathon race?

Statement :- I 30 competitors who participated in the marathon did not complete the race.

II If another 45 competitors finished the race, the number of competitors who completed the race will be increased by 50 %

- 1) 1 2) 2 3) 3 4) 4 5) 5

❖ Questions from No 44 to 46 are based on a set of rules on making a claim for a 50% discount on the daily charges at a Physical Fitness Club ‘ Shakthi

❖ The physical fitness club ‘shakthi’ is offering a discount of 50% on its daily charges to the following persons.

- i) To the founder members and their spouses and to their children below 25 years.
- ii) To disables members
- iii) To senior citizens above 60 years of age.
- iv) To the members of the defence service in service and retired and their spouses and children below 18 years of age.
- v) Ladies below 35 years of age who are not employed.
- vi) Social service officers of Registered social service Institutions.
- vii) Members Registered by paying the membership fee for 10 years in a single payment.

According to the information decide on which rule given above the person mentioned in each question is qualified or not – qualified for the discount and select the answer

- 44) • 35 years old Srimathi Balapatabandi is a disabled soldier
- Her husband is a founder member of ‘Shakthi’ fitness club
- Accordingly, Srimathi Balapatabandi is
- 1) qualified under (i) and (iv)
 - 2) Qualified under (i) and (ii)
 - 3) Qualified under (i), (ii) and (iv)
 - 4) not qualified
 - 5) none of these

- 45) • Devaka Ramanayake is 14 years old.
- He is son of Corporal Ramanayake now a retired soldier
 - Corporal Ramanyake is the chairmen of the senior citizens society.
 - Corporal Ramanayake has agreed to pay the 10 years membership fee of Shakthi Fitness club in three instalments in three years.

Accordingly Devaka Ranayake is

- 1) Qualified under (iv) only.
- 2) Qualified under (vi) and (vii)
- 3) Qualified under (iv) and (vii)
- 4) not qualified
- 5) none of these.

- 46) ● Cader Buhari is 28 years old.
- He is son of the founder member of Shakthi fitness club.
 - A prominent Social worker mohomed cader is the founder of a registered Blood bank

Accordingly cader Buhavi is

- 1) Qualified only under (i)
- 2) Qualified only under (vi)
- 3) Qualified under (i) and (vi) only
- 4) not qualified
- 5) none of these.

❖ **Question No 47 and 48 are based on the following paragraph.**

Diabetic centre are being established in general hospitals in Sri Lanka. In each centre diabetic patients are being examined by specialists and a report is submitted annually on their physical measurements, blood and urine analysis on lipid profile, blood sugar and urine micro – albumin levels. The report also consists of present treatments and future suggestions.

47) This passage describes about

- 1) Different kinds of non – infections diseases.
- 2) past and present treatments for patients.
- 3) different modes of transferring diabetism from mother to the child.
- 4) blood, urine and x –ray reports obtained at diabetic centres.
- 5) diabetic centres and their functions

48) Who of the following is **not** explicitly said in the paragraph?

- 1) different kinds of diabetic diseases.
- 2) Different tests for diabetic patients.
- 3) present treatment the patient is undergoing
- 4) Blood and urine samples tested for certain parameters.
- 5) Diabetic centres established at general hospitals.

❖ **In each of the questions No 49 and 50 five short passages, each with three statements, are given. In only one of the passages the three statements can be rearranged in order to show a logical relationship. Select the passage which contains the statements that can be rearranged to show a logical relationship**

- 49) 1) Alarm of the table clock is not ringing due to a fault of the clock. Mother sets the alarm of the table clock before going to sleep. Nobody wakes up at 5.00 a.m
- 2) Alarm of the table clock is ringing at 5.00 a.m Daughter sets the alarm of the table clock before going to sleep. Mother wakes up at the alarm to go to hospital.
- 3) Machineries are used for paddy cultivation. Paddy harvesting machine has arrived. The job is done in a much shorter time.
- 4) Paddy harvesting machine is harvesting the paddy. Machineries are used now a days for paddy cultivation. It is cheaper to use machineries.
- 5) Farm machineries are used not only or paddy harvesting but for several purposes of cultivatoin. Machineries are cheaper. Machineries are quicker.

- 50) 1) By distillation of toddy, arrack is manufactured. Toddy is also consumed directly. Government intends to reduce consumption of cigarettes and hard liquor.
- 2) Toddy consists of alcohol and very little protein, sugar, vitamins and minerals. Arrack consists mainly of alcohol. Sweet toddy (unfermented) consists mainly of sugar and proteins, vitamins and minerals.
- 3) Sweet toddy and toddy are extracted from coconut, kitul and plamyra coconut is grown throughout Sri Lanka. Palmrah is grown in North – East and kitul in up country of Sri Lanka.
- 4) Heavy rain causes flood and landslides, Government pays compensation to affected people. Due to flood and landslides houses are damaged and at times it causes injury and death to the people.
- 5) Landslides due to heavy rain occur mainly in hill country. Heavy flood causes house damage due to heavy rain. Heavy wind also causes damage to houses and death to the people.



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