සියලු හිමිකම් ඇවිරිණි/முழுப் பதிப்புரிமையுடையது/All Rights Reserved]

ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව
இலங்கைப் பரீட்சைத் திணைக்களம்
Department of Examinations, Sri Lanka

අධ්‍යයන පොදු සහතික පත්‍ර (උසස් පෙළ) විභාගය, 2022(2023)
கல்விப் பொதுத் தராதரப் பத்திர (உயர் தர)ப் பரீட்சை, 2022(2023)
General Certificate of Education (Adv. Level) Examination, 2022(2023)

සාමාන්‍ය පොදු පරීක්ෂණය
பொதுச் சாதாரணப் பரீட்சை
Common General Test

12 **E**

පැය දෙකයි
இரண்டு மணித்தியாலம்
Two hours

Instructions:

- *Answer **all** the questions.*
- ***Use of calculators is not allowed.***
- *Write your **Index Number** in the space provided in the answer sheet.*
- *Instructions are given on the back of the answer sheet. Follow them carefully.*
- *In each of the questions from **1** to **50**, pick one of the alternatives from (1), (2), (3), (4), (5) which is **correct or most appropriate** and **mark your response on the answer sheet with a cross** (×) in accordance with the instructions given on the back of the answer sheet.*

1. In November 2021, the High Commissioner of India in Sri Lanka, delivered to Dr. Vajira Chitrasena a prestigious award conferred upon her by the President of India for the year 2020. What is the name of this award?

(1) Arjuna award (2) Padma Vibhushan (3) Padma Bhushan
(4) Bharat Ratna (5) Padma Shri

2. In 2022, the Commonwealth marked the 70th anniversary of the accession of the late Queen Elizabeth II to the British throne on 06th of February 1952. This celebration was known as,

(1) Ruby jubilee. (2) Platinum jubilee. (3) Golden jubilee.
(4) Diamond jubilee. (5) Sapphire jubilee.

3. In March 2022, Sri Lanka's largest cement factory, Lanwa Sanstha Cement Corporation (Pvt) Ltd. was declared open. In which of the following Export Processing Zones (EPZ) is this factory located?

(1) Mirijjavilla EPZ (2) Seethawaka EPZ (3) Mawathagama EPZ
(4) Horana EPZ (5) Polgahawela EPZ

4. There are several variants of Corona virus disease 2019 (COVID-19) that have been identified so far. Which one of the following is **not** among those variants?

(1) Alpha (2) Beta (3) Gamma (4) Delta (5) Epsilon

5. Russia started a major military operation in an Eastern European country in February 2022. What is the name of this country?

(1) Poland (2) Belarus (3) Slovakia (4) Moldova (5) Ukraine

6. What is the name of the political movement that formed the government in Afghanistan in August 2021?

(1) Hamas (2) Al-Qaeda (3) Taliban (4) Boko Haram (5) Hezbollah

7. Dinesh Priyantha Herath, a Sri Lankan athlete with disability, won the gold medal in the men's javelin throw F46 category with a new world record during a major international sports event held in August 2021. What was this event?

(1) Asian Para Games (2) Tokyo Paralympics
(3) Parapan American Games (4) Commonwealth Games
(5) Special Olympics

8. The Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC) is an international organization of seven South Asian and Southeast Asian nations. The fifth Summit of BIMSTEC was hosted by the Government of Sri Lanka in March 2022. Which one of the following countries is **not** a member of BIMSTEC?

(1) Pakistan (2) Bangladesh (3) Bhutan (4) India (5) Nepal

[See page two

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9. Greenhouse gases are known as the gases in Earth's atmosphere that trap heat. Which one of the following is **not** a greenhouse gas?
(1) Hydrofluorocarbons (2) Methane (3) Nitrous oxide
(4) Carbon dioxide (5) Hydrogen

10. Which one of the following is **not** directly associated with the United Nations Organization (UNO)?
(1) Food and Agricultural Organization (FAO)
(2) South Asian Association for Regional Cooperation (SAARC)
(3) International Labour Organization (ILO)
(4) World Health Organization (WHO)
(5) International Monetary Fund (IMF)

11. A super market has a promotional activity giving a 12% reduction for every rupee the customer spends over Rs. 5000 subjected to a maximum discount value of Rs. 1500. What is the minimum amount of the bill one would need to receive the maximum discount?
(1) Rs. 12 500 (2) Rs. 12 501 (3) Rs. 17 500 (4) Rs. 17 501 (5) Rs. 18 000

12. Padma and Sriyani are two data entry operators in a company. Padma takes 5 hours to enter 36 pages of data to the computer, while Sriyani takes 6 hours to enter 48 pages. Together they are assigned 171 pages of data entry using separate computers. How much time will they take?
(1) 09 hours 15 minutes (2) 10 hours 15 minutes (3) 10 hours 25 minutes
(4) 11 hours 15 minutes (5) 11 hours 25 minutes

13. The winning percentages of Sri Lankan Cricket Team in Tests, One Day Internationals (ODIs), and T20 Internationals (T20Is) in the year 2021 are 33, 29 and 40 respectively. During that period, average winning percentage of Tests and ODIs combined is 30 and average winning percentage of ODIs and T20Is combined is 35. What is the average winning percentage, rounded to the nearest whole number, of Sri Lankan Cricket Team in 2021 over all three formats combined?
(1) 27 (2) 32 (3) 35 (4) 38 (5) 40

14. A train starts from Matara at 1.00 p.m. and reaches Maradana at 6.20 p.m. Another train starts from Maradana at 3.00 p.m. and reaches Matara at 6.40 p.m. If the distance between Matara and Maradana is 160 km, and the two trains are travelling at constant average speeds, then at what time do the two trains meet each other?
(1) 3.07 p.m. (2) 3.57 p.m. (3) 4.02 p.m. (4) 4.22 p.m. (5) 4.32 p.m.

15. Two super markets, *A* and *B*, are selling a certain brand of food item with 10% and 15% discounts of the marked price respectively. One day, Nimal learns, due to another promotion activity, *A* and *B* give further discounts of 15% and 20% of the already discounted prices respectively on the same product and he sees there is a difference of Rupees 20 in the two selling prices. What is the marked price of the food item, rounded to the nearest whole number, in Rupees?
(1) 135 (2) 235 (3) 245 (4) 335 (5) 345

16. On one Saturday at the correct time of 9.00 a.m., Mr. Silva sets the alarm in his watch for 11.00 a.m. on the following Monday. He doesn't know that his watch is faulty and gaining 20 minutes for every 24 hours. What would be the actual time when the alarm goes off?
(1) 18 minutes 54 seconds past 10.00 a.m.
(2) 18 minutes 54 seconds before 10.00 a.m.
(3) 15 minutes 20 seconds past 10.00 a.m.
(4) 15 minutes 20 seconds before 10.00 a.m.
(5) 18 minutes 54 seconds past 10.00 p.m.

17. One year ago, the ages of Anula and Anura were in the ratio 3 : 4. After 3 years, that ratio will become 5 : 6. What is the present age of Anula?
(1) 6 years (2) 7 years (3) 8 years (4) 9 years (5) 10 years

18. A train travelling at a constant speed is passing two persons who are walking along a road parallel to the railroad at the speeds of 2 km h^{-1} and 4 km h^{-1} respectively. The train and the two persons are going in the same direction. If the train takes 36 and 40 seconds respectively to pass each person completely, what is the length of the train?
(1) 100 m (2) 150 m (3) 180 m (4) 200 m (5) 250 m

[See page three

19. Mrs. Perera deposits a sum of money in a bank anticipating it would grow to Rs. 2.55 million after 5 years and to Rs. 3.18 million after 8 years at the same rate of simple interest during the period. What is the rate of interest per annum offered to Mrs. Perera by the bank?

(1) 12 % (2) 12.5 % (3) 14 % (4) 14.5 % (5) 15 %

20. A foreign employment agency in Sri Lanka has sent a group of Housemaids, Nurses and Technicians to Oman last month in the proportion 20 : 6 : 1. The respective monthly salaries per person in respective categories were in the ratio 2 : 7 : 6. If the number of Nurses sent by the agency was 30 and the total monthly salaries of the entire group amounts to 26 400 Omani Rials (OR), the respective monthly salaries per person in respective categories in that order are:

(1) 120 OR, 420 OR, 280 OR (2) 120 OR, 420 OR, 360 OR
(3) 130 OR, 420 OR, 260 OR (4) 150 OR, 450 OR, 250 OR
(5) 160 OR, 420 OR, 260 OR

● For questions number **21** and **22** consider the following three correct equations found from a mythical civilisation called Unaria where the number n was written using n small circles.

○ ○ ○ ? ○ / ○ ○ ○ ○
○ ○ ○ # ○ ○ / ○
@ ○ ○ ? ○ ! & ○ / ○ ○ ○

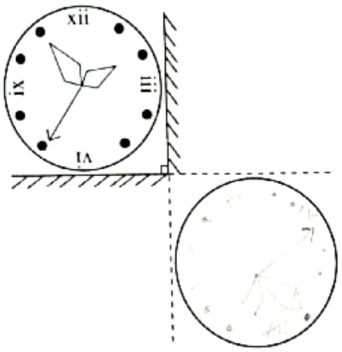
21. Which of the following Unarian equation is **incorrect**?

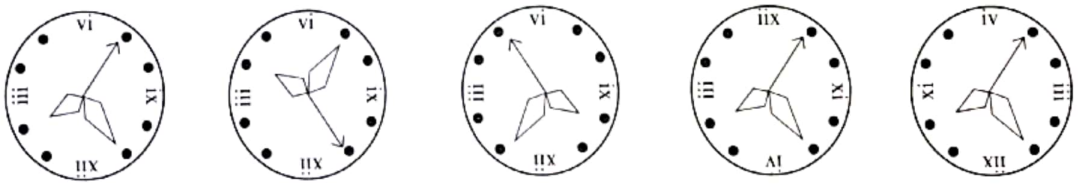
(1) ○ # @ ○ & ○ ! / ○ (2) @ ○ ○ # ○ ! & ○ ○ / ○ ○
(3) ○ ? @ ○ ○ & ○ ! / ○ ○ ○ (4) ○ ? @ ○ & ○ ! / ○ ○
(5) ○ ○ # @ ○ & ○ ! / ○

22. Which of the following Unarian expressions is divisible by 3?

(1) @ ○ ? ○ ○ ! & ○ ○ (2) @ ○ ○ # ○ ! & ○ ○
(3) ○ ○ & @ ○ # ○ ○ ! (4) ○ ? ○ ? ○ ○
(5) ○ ○ ? @ ○ & ○ ○ !

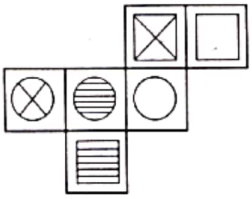
23. The diagram illustrates a facet of a clock placed in front of two plane mirrors installed perpendicularly to each other.
Which of the following figures shows the correct image that can be seen through the mirrors at the place indicated by the blank circle?





(1) (2) (3) (4) (5)

24. The diagram shows a pattern consists of six squares. Each square has a geometrical figure drawn in it. A cube is made by using this pattern so that the six figures are seen on the facets of the cube. Which one of the following triples of figures would be on the facets respectively opposite to the three facets on which the figures □, ☒ and ○ are to be seen?



(1) ▤, ⊗ and ◍ (2) ▤, ◍ and ⊗
(3) ⊗, ▤ and ◍ (4) ⊗, ◍ and ▤
(5) ◍, ▤ and ⊗

[See page four

25. An isosceles right triangular wall is established symmetrically so that the right angle points towards the sky. If this wall was painted from the bottom to top at a fixed rate per unit area and it costed Rs. 6000 to paint till the half height, what is the total cost spent for painting?
(1) Rs. 7000 (2) Rs. 8000 (3) Rs. 10 000 (4) Rs. 12 000 (5) Rs. 15 000

● For questions number **26** to **30** consider the following conversation that took place on a Sunday about petrol and diesel availability on next week at the Thelnethigama fuel station.

Amal : No bowser will appear for the next two days that people are wasting time in queues, but both petrol and diesel will arrive on Wednesday early morning and that would suffice for three days or perhaps for more.

Bhavan : My poor friend, there won't be any petrol on Wednesday as well as no diesel on Thursday.

Casim : Hey, don't you know that both petrol and diesel are already available in Thelnethigama station? Pity, that would be gone by Thursday night, so no fuel on Friday!

David : I may have to give someone a ride on Wednesday and I'm sure there will be both petrol and diesel there on that day.

Emil : Friends, also new bowsers might come. I am sure petrol and diesel must be there on Thursday and Friday.

26. If no petrol arrives until Wednesday midnight, then how many persons would definitely be liars?
(1) 1 (2) 2 (3) 3 (4) 4 (5) 5

27. If diesel is available on Thursday, then how many persons would definitely be liars?
(1) 1 (2) 2 (3) 3 (4) 4 (5) 5

28. Suppose only one person spoke the truth. If there is diesel on Thursday but no petrol on Friday, then who spoke the truth?
(1) Amal (2) Bhavan (3) Casim (4) David (5) Emil

29. If only two persons spoke the truth, on which two days is diesel necessarily available at Thelnethigama fuel station?
(1) Monday and Tuesday
(2) Tuesday and Wednesday
(3) Wednesday and Thursday
(4) Thursday and Friday
(5) Wednesday and Friday

30. Which of the following is true, when the maximum possible number of persons speak the truth?
(1) Petrol is available on Tuesday and diesel not available on Monday.
(2) Petrol is available on Thursday and diesel not available on Monday.
(3) Petrol is not available on Monday and diesel available on Tuesday.
(4) Petrol is not available on Tuesday and diesel not available on Wednesday.
(5) Petrol is not available on Thursday and diesel available on Wednesday.

31. Suppose ten persons were chosen at random. Classify the given statements on them as definite (A), probable (B), less probable (C) and impossible (D).
1. There are two persons born on the same day of the week.
2. There are two persons who have read exactly the same number of words in 2021.
3. There are two persons both are female and right-handed.
4. There are two persons whose mental perceptions are identical.

(1) A, C, B, D (2) B, C, A, D (3) B, D, A, C (4) C, B, A, D (5) D, C, B, A

32. "In every household there is a wooden stove and an electric cooker such that either of them is used only when there is no gas."
Select the **weakest** from the below evidences which were collected to weaken the above claim.
(1) A house with a wooden stove and an electric cooker from which the wooden stove is used together with a gas cooker.
(2) A house with a wooden stove that is used during gas shortages but no electric cooker.
(3) A wooden stove that is used during gas shortages and an electric cooker that is used together with a gas cooker.
(4) Thousand houses with a wooden stove and an electric cooker of which both are used together with the gas cooker.
(5) Ten thousand houses with wooden stoves or electric cookers which are not used together with gas cookers.

[See page five

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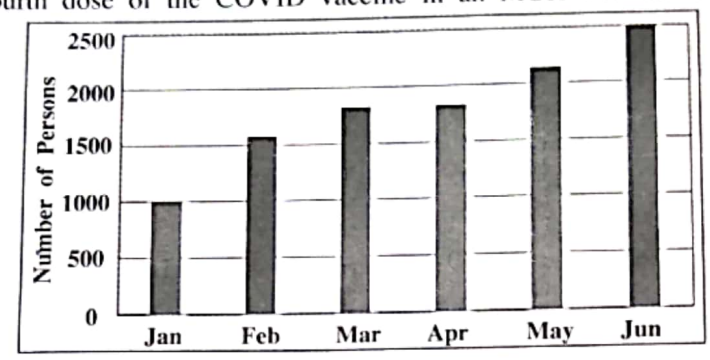
● For questions number **33** and **34** consider the following:

The explorers Teena and Zeena lost in the wilderness during an expedition are trying to reunite with Meena, who stays inside the camp with a signalling device of which the receiving and sending range is 500 m. Teena is at 7 km north to the camp and Zeena is at 13 km west to the camp, and they both start at the same time to move towards the camp. Teena walks at a speed of 6 km h^{-1}, carrying a device of which the range is extended up to 6 km, and Zeena walks at 3 km h^{-1} carrying a device with range 7 km.

33. When does Teena's device start receiving Meena's signals?
(1) In 05 minutes (2) In 10 minutes (3) In 20 minutes
(4) In 30 minutes (5) In 45 minutes

34. When do Teena and Zeena both start receiving each other's signals?
(1) In 05 minutes (2) In 10 minutes (3) In 20 minutes
(4) In 30 minutes (5) In 45 minutes

● For questions number **35** and **36** consider the following graph that shows the number of persons who have received the fourth dose of the COVID vaccine in an MOH area of less than 5000 persons.



35. From February to June, what is the month that reports the highest number of vaccinations in this MOH area?
(1) February (2) March (3) April (4) May (5) June

36. From February to June, what is the month that reports the lowest number of vaccinations in this MOH area?
(1) February (2) March (3) April (4) May (5) June

● Questions from number **37** to **39** are based on the following information:

Among the students in a school who sat the G.C.E. Advanced Level Examination last year, the top seven scorers of the Common General Test were *A*, *B*, *C*, *D*, *E*, *F* and *G*. No scores of any two of them were equal. Their scores were arranged in descending order and accordingly they were ranked 1, 2, 3, ..., 7 respectively. These seven students were sitting around a circular table, facing its centre. Also following information is provided.

* *A* is a male. He is the sixth scorer.
* *D*, *F* and *G* are males while *C* and *E* are females.
* *C* is the fifth scorer, but *D* is **not** the fourth scorer.
* Immediate neighbours of *C* were females. *G* was sitting at the third place to the left of *C*.
* *E* was sitting immediate left of *C* while the seventh scorer was sitting immediate right of *C*.
* Only one student was sitting between *C* and the fourth scorer.
* Also only one student was sitting between *D* and *F*.
* Two students were sitting between the second scorer and the sixth scorer.

37. What was the rank of *F*?
(1) 1 (2) 2 (3) 3 (4) 4 (5) 7

38. Who was the second scorer?
(1) *B* (2) *D* (3) *E* (4) *F* (5) *G*

39. Information provided is **not** sufficient to determine the ranks of two students. Who are these two students?
(1) *B* and *D* (2) *D* and *E* (3) *D* and *F* (4) *D* and *G* (5) *E* and *F*

[*See page six*

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● Questions from number **40** to **42** are based on the following.

Sri Lankan citizens who have fulfilled following requirements are eligible to be enrolled in a Diploma Course in Information and Communication Technology (ICT) conducted by a Vocational Training Institute.

1. Age : Not less than 18 years and not more than 22 years of age as on 1st of January 2023.

2. Educational Qualifications : Any of the following options is considered.

Option	G.C.E.(Ordinary Level) Examination (In one sitting)	General Information Technology (GIT) Examination
(i)	Six passes including C or better grades for ICT, English, Mathematics and Science	S or a better grade
(ii)	Six passes including C or better grades for English, Mathematics and Science and also an S grade for ICT	C or a better grade
(iii)	Six passes including C or better grades for English, Mathematics and Science	A or B grade

Note : The applications of those who have not fulfilled required qualifications in GIT examination will be considered if they agree to sit a qualifying test in ICT conducted by the Institute and to obtain corresponding grades required in GIT Examination.

Consider the given information of following five Sri Lankan applicants:

Anil : Date of birth is 01.01.2004. Has obtained A grades for six subjects including Mathematics, Science, English and ICT in G.C.E.(Ordinary Level) Examination in 2020. Has not sat the GIT Examination.

Bharathi : Year of birth is 2001. Has obtained six C grades for Mathematics, Science, English, ICT and two other subjects in one sitting of G.C.E.(Ordinary Level) Examination and also a C grade in GIT Examination.

Chithra : Year of birth is 2003. Has obtained C grades for six subjects including Mathematics, Science, English and an S grade for ICT in one sitting of G.C.E.(Ordinary Level) Examination and also a C grade in GIT Examination.

Dave : Year of birth is 2000. Has passed G.C.E.(Ordinary Level) Examination with eight C grades including the subjects Mathematics, Science, English and ICT in one sitting. Has not sat the GIT Examination.

Emma : Year of birth is 2003. Has obtained S grades for English and ICT, and also C grades for six other subjects including Mathematics and Science in one sitting of G.C.E.(Ordinary Level) Examination. Has obtained a B grade in GIT Examination.

40. Of the above five applicants, who will be required to sit the qualifying test in ICT, in order to get his/her application considered?

(1) Anil (2) Bharathi (3) Chithra (4) Dave (5) Emma

41. Who are the applicants eligible to be enrolled in the Diploma Course without sitting the qualifying test in ICT?

(1) Anil and Bharathi (2) Bharathi and Chithra (3) Chithra and Dave
(4) Dave and Emma (5) Emma and Anil

42. Who are the applicants **ineligible** to be enrolled in the Diploma Course under any of these options?

(1) Anil and Bharathi (2) Bharathi and Chithra (3) Chithra and Dave
(4) Dave and Emma (5) Emma and Anil

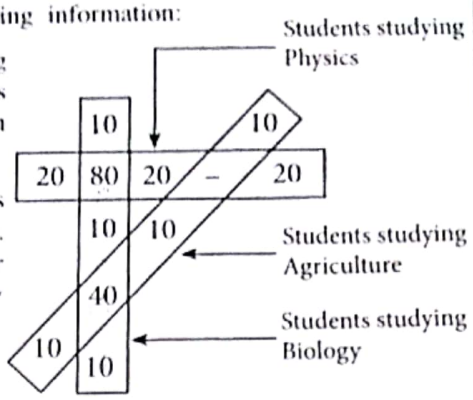
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Questions from number **43** and **44** are based on the following information:

The horizontal rectangle, vertical rectangle and the slanting rectangle respectively indicate the numbers of students studying the subjects Physics, Biology and Agriculture in grade 13 of a school.

Every student in the Bio Science section of this school studies 3 subjects of which Biology and Chemistry are compulsory. The other subject of these students is either Physics or Agriculture. Further more, all students who study Biology or Physics, study Chemistry too.



43. How many students are there in Bio Science section of grade 13 in this school?
(1) 110 (2) 120 (3) 130 (4) 140 (5) 150

44. What is the minimum number of students, who study the subject Chemistry in grade 13?
(1) 120 (2) 170 (3) 210 (4) 250 (5) 290

45. In this question, the sentences *A*, *B*, *C*, *D*, *E* between two sentences denoted by 1 and 7 are **not** in the correct order. Select the appropriate arrangement of them to form a logical sequence of the seven sentences.

1 – Santhan is worried that he had misplaced his G.C.E. (O/L) original certificate.
A – Principal told him that he can give a certificate which is sufficient for all purposes in Sri Lanka.
B – Santhan thanked the principal but asked the principal that if he wishes to get another certificate from the Department of Examinations to submit for foreign universities, what the procedure is.
C – Therefore Santhan consulted his school principal in order to get another original or equivalent certificate.
D – Santhan knows that a photocopy of his G.C.E. (O/L) certificate is insufficient to be produced for further studies or to face interviews for job seeking.
E – Principal explained that Santhan can apply for obtaining one to three certificates either through online procedures by paying money through electronic transaction of a bank or by going directly to the Department of Examinations, Battaramulla.
7 – Santhan is happy that he found a way to get another certificate from the Department of Examinations.

(1) *A*,*B*,*C*,*D*,*E* (2) *C*,*A*,*B*,*D*,*E* (3) *C*,*A*,*D*,*B*,*E* (4) *D*,*C*,*A*,*B*,*E* (5) *D*,*C*,*B*,*A*,*E*

46. Each of the following five sections *A*, *B*, *C*, *D*, *E* consists of three statements. Which one of these sections contains statements that could be rearranged in a meaningful sequence?

A *(a)* Yoga is practised from ancient time.
(b) Yoga is not a practice of a particular religious activity.
(c) Yoga is not only good for physical health but also good for mental alertness.

B *(a)* Hill country is prone for land slides.
(b) Heavy rain in hill country causes land slides.
(c) Generally poor estate workers living in estate housings get affected due to land slides.

C *(a)* Nishan was an addict for drugs but he didn't attend any rehabilitation classes.
(b) He died on admission to hospital.
(c) He took an overdose of heroin which affected the brain.

D *(a)* Mosquitoes spread Dengue.
(b) Mosquitoes spread viruses and other micro-organisms.
(c) Malaria is spread through mosquitoes.

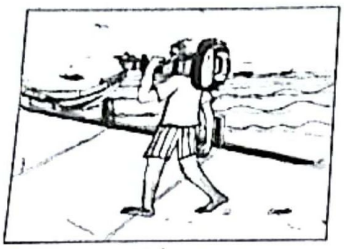
E *(a)* Shortage of foreign reserve is the main course of several socio-economic problems faced by the people of this country.
(b) Downfall of exports and the tourist industry is the major problem.
(c) Despite the late mediation, IMF still could provide relief to the present crises.

(1) *A* (2) *B* (3) *C* (4) *D* (5) *E*

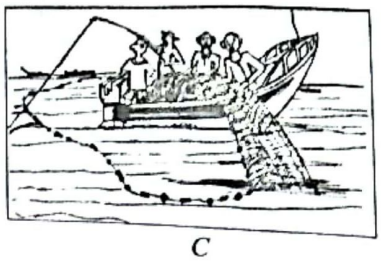
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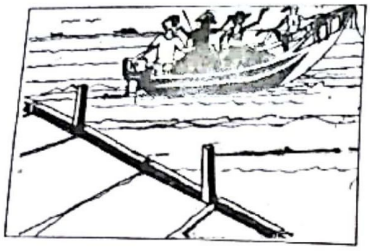
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47. Consider the event described by the following pictures.

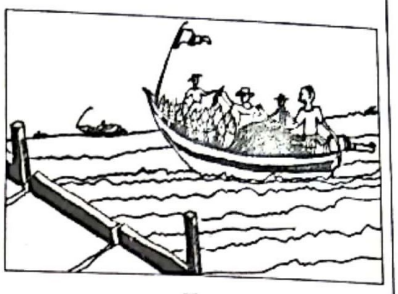

A


B


C


D


E


F

Which of the following arrangements of the pictures gives the correct sequence of the event?

(1) *A, D, C, F, B, E* (2) *A, F, D, C, B, E* (3) *D, C, B, F, A, E*
(4) *F, C, B, D, E, A* (5) *F, D, C, E, B, A*

● Questions from number **48** to **50** are based on the following information.

On a Saturday morning a man told his wife that he is busy with some office work and requested her to go to the market with the eldest son to buy the weekly provision. At the market they met a teacher of the son.

The following dialogues from *A* to *L* illustrate a conversation among the mother, her son and the teacher. The conversation among them is **not** arranged in the correct sequence.

A. Lot of people are in the market. Did you see your Sir?
B. Yes indeed, he is my Maths Sir, Sara Master.
C. Shall we go by push bicycle?
D. Mummy, are we going to the market by bus or by our push bicycle?
E. Yes please. It is convenient, cheaper and I like.
F. You say hello to him and in the mean time I will purchase the items.
G. Good morning, Vino. Did you come alone?
H. Good morning, Sir.
I. No Sir, I came with my mom. She is shopping in the market.
J. I finished shopping Vino. Hope you had a good chat with your Sir. Let's go home.
K. Okay, you too join her. Have a good day. Bye.
L. Good bye, Sir.

48. In which of the following options in the conversation between the mother and her son correctly arranged?

(1) *D, C, A, E, F, B* (2) *D, C, E, A, B, F* (3) *D, E, A, B, C, F*
(4) *D, E, A, B, F, C* (5) *D, E, A, C, B, F*

49. In which of the following options in the conversation between the teacher and the student correctly arranged?

(1) *G, H, I, K, L* (2) *G, H, I, L, K* (3) *H, G, I, K, L*
(4) *H, G, I, L, K* (5) *H, G, K, L, I*

50. Out of the following, which one shows a logical sequence of the full conversation?

(1) *D, E, A, C, B, L, F, G, H, I, K, J* (2) *D, C, E, A, L, B, F, H, G, I, J, K*
(3) *D, E, A, B, C, L, F, H, G, I, J, K* (4) *D, E, A, B, C, F, G, H, I, K, J, L*
(5) *D, C, E, A, B, F, H, G, I, J, K, L*

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