



Ocean University of Sri Lanka

Aptitude Test 2024/2025



B. Sc. in Fisheries and Marine Sciences

NIC Number

Index No.

Time Allowed: Two (02) hours.

Date:

Instructions:

- Answer all the questions on this paper itself.
- Use a dark pencil/ black or blue ballpoint pen to provide the answers.
- Calculators are not allowed.

SECTION A - GENERAL KNOWLEDGE – 25 QUESTIONS

Underline the correct answer

- 1) Who is the female athlete qualified to participate women's 800 m athletic event at the 2024 Summer Olympics?
(i) Ganga Senevirathne
(ii) Dilhani Lekamge
(iii) Tharusi Karunaratne
(iv) Jayeshi Uththara
- 2) Which is the film, renowned actor W. Jayasiri won the Presidential Film Award for Best Supporting Actor in 1997?
(i) Seilama
(ii) Duwata Mawaka Misa
(iii) Visidela
(iv) Bambaru Ewith
- 3) When did the catastrophic implosion of Titan Submersible happen?
(i) 21 March 2023
(ii) 17 August 2021
(iii) 22 June 2023
(iv) 20 May 2023
- 4) What is the toll-free telephone number available in Sri Lanka to call emergency needs of children to report child-related any inquiry?
(i) 1929
(ii) 1960
(iii) 1977
(iv) 1990
- 5) Who created the fictional detective "Sherlock Holmes"?
(i) Agatha Christie
(ii) Raymond Chandler
(iii) Dashiell Hammett
(iv) Arthur Conan Doyle
- 6) In which city is the Eiffel Tower located?
(i) London
(ii) Berlin
(iii) Paris
(iv) Rome

- 7) In which year did the Titanic sink?
 (i) 1905
 (ii) 1912
 (iii) 1920
 (iv) 1931
- 8) Who is known as the "Iron Lady"?
 (i) Angela Merkel
 (ii) Queen Elizabeth
 (iii) Margaret Thatcher
 (iv) Kamala Harris
- 9) Which is the world's happiest country for 2024?
 (i) Switzerland
 (ii) Finland
 (iii) New Zealand
 (iv) Netherlands
- 10) Who won the ICC Women's T20 World Cup in 2024?
 (i) England
 (ii) Australia
 (iii) New Zealand
 (iv) South Africa
- 11) How many circles are on the Olympic flag?
 (i) 4
 (ii) 6
 (iii) 5
 (iv) 7
- 12) Which of the following economists is called the Father of Economics?
 (i) Lionel Robinson
 (ii) Adam Smith
 (iii) David Ricardo
 (iv) Milton Friedman
- 13) What is the capital city of South Korea?
 (i) Busan
 (ii) Jeju
 (iii) Incheon
 (iv) Seoul
- 14) When did Sri Lanka join the International Monetary Fund (IMF)?
 (i) 1950
 (ii) 1970
 (iii) 1960
 (iv) 1980
- 15) Which is the largest country in the world?
 (i) China
 (ii) Greenland
 (iii) Australia
 (iv) Russia
- 16) Which country is known as the "Land of the Midnight Sun"?
 (i) Finland
 (ii) Germany
 (iii) Norway
 (iv) United Kingdom
- 17) Who is the founder of Facebook social media?
 (i) Evan Williams
 (ii) Mark Zuckerberg
 (iii) Steve Job
 (iv) Bill Gates
- 18) Who was the Portuguese captain who landed in Colombo in 1505?
 (i) Vasco da Gama
 (ii) Lourenco de Almeida
 (iii) Francisco de Almedia
 (iv) Pedro Alvares Cabral

- 19) When is the World Oceans Day?
(i) 08 June
(ii) 21 November
(iii) 05 October
(iv) 01 December
- 20) What is the company founded by Jeff Bezos?
(i) Netflix
(ii) Microsoft
(iii) Google
(iv) Amazon
- 21) Which gas is responsible for the greenhouse effect?
(i) Oxygen
(ii) Carbon dioxide
(iii) Hydrogen
(iv) Nitrogen
- 22) Who won the Nobel Prize in Chemistry in 2023?
(i) Han Kang
(ii) John Hopfield
(iii) David Baker
(iv) Drew Weissman
- 23) What is the smallest unit of matter that remains the properties of an element?
(i) Molecular
(ii) Atom
(iii) Proton
(iv) Electron
- 24) Which Sustainable Development Goals (SDG) is dedicated to protecting the marine environment and its resources?
(i) SDG 12
(ii) SDG 14
(iii) SDG 13
(iv) SDG 15
- 25) Which country will be hosting the 2024 United Nations Climate Change Conference, more commonly referred to as COP29?
(i) United Arab Emirates
(ii) Azerbaijan
(iii) Scotland
(iv) Egypt

SECTION B - SUBJECT KNOWLEDGE – 25 QUESTIONS

Underline the correct answer

- 1) Which one is a traditional fishery in Sri Lanka?
(i) Trawler fishery (ii) Beach seine fishery (iii) Longline fishery (iv) Gillnet fishery
- 2) The contribution of the fisheries sector to Sri Lankan Gross-Domestic Production (GDP) is about
(i) 2.7 % (ii) 4.7 % (iii) 6.7 % (iv) 8.7 %
- 3) What is the size of the Economic Exclusive Zone (EEZ) in nautical miles?
(i) 100 (ii) 150 (iii) 200 (iv) 250
- 4) What is the marine aquaculture food fish export from Sri Lanka?
(i) Tuna (ii) Asian sea bass (iii) Sea cucumber (iv) Crabs
- 5) Which of the following is not an edible marine mollusc type?
(i) Octopus (ii) Squid (iii) Blue mussel (iv) Crab
- 6) What is the major nutrient found in fish that helps the brain development of infants?
(i) Protein (ii) Iodine (iii) Omega-3 fatty acids (iv) Vitamin D
- 7) What is not a fish preservation method at home?
(i) Drying (ii) Smoking (iii) Salting (iv) Canning
- 8) What is not a common parameter for measuring the water quality in drinking water?
(i) Colour (ii) Turbidity (iii) pH (iv) Electric Resistance
- 9) Oxidation of fat is known as
(i) Rigor mortis (ii) Rancidity (iii) Elasticity (iv) Blanching
- 10) Which of the following chemical exerts a high osmotic pressure giving rise to a reduction in the moisture content of the fish during processing?
(i) Sodium metabisulphite (ii) Sodium chloride (iii) Sodium carbonate (iv) Sodium hydroxide
- 11) The world's fastest-growing food producing industry is
(i) Poultry (ii) Wheat production (iii) Capture fisheries (iv) Aquaculture

- 12) What is the largest ocean in the world?
(i) Indian Ocean (iii) Pacific Ocean
(ii) Atlantic Ocean (iv) Arctic Ocean
- 13) What ecosystem is known as "Rainforest of the sea"?
(i) Mangroves (ii) Coral reefs (iii) Seagrass meadows (iv) Kelp forests
- 14) *Madu Ganga* Wetland is
(i) A marine national park (iii) A Particularly Sensitive Sea Area
(ii) An emission control area (iv) A RAMSAR site
- 15) What is the subject discipline that studies the interactions between marine organisms and their habitats in the marine environments?
(i) Marine Biology (iii) Marine Ecology
(ii) Physical Oceanography (iv) Marine Conservation
- 16) Mangroves are very common in
(i) Temperate region (iii) Polar region
(ii) Tropical region (iv) Offshore region
- 17) Induced breeding technique is used in
(i) Marine fishery (iii) Capture fishery
(ii) Culture fishery (iv) Inland fishery
- 18) Which of the following statement incorrect about Invasive Alien Species (IAS)?
(i) IAS threatens the local biodiversity
(ii) IAS may alter habitats and environmental conditions
(iii) IAS cooperates with native communities for food, space or light
(iv) IAS are capable of mating with native species and form hybrid populations
- 19) The principal organisms causing food poisoning in canned fish and fishery products is
(i) *Clostridium perfringens* (ii) *Clostridium botulinum*
(ii) *Bacillus* sp. (iv) *Vibrio* sp.
- 20) Eutrophication is a result of
(i) Ballast water discharge (iii) Coral bleaching
(ii) Plastic pollution (iv) Agriculture runoff

21) What is the best extension method to make the fishermen aware of sudden disasters such as tsunamis?

- (i) Printed media
- (ii) Group methods
- (iii) Mass media
- (iv) Individual methods

22) La Niña is a process of;

- (i) Warming of surface ocean waters
- (ii) Cooling of surface ocean water
- (iii) Occurring Tsunamis
- (iv) Eroding coastal beaches

23) Marine Pollution Prevention Authority (MEPA) of Sri Lanka is

- (i) A government organization
- (ii) A research institute
- (iii) A private organization
- (iv) A community organization

24) What is the false statement regarding marine mammals?

- (i) Marine mammals have large lungs
- (ii) Ship strikes cause threats to marine mammal population
- (iii) All marine mammals are carnivores
- (iv) Marine mammals use sound waves for communication

25) What is an incorrect statement regarding the marine environment?

- (i) Oceanic water has large amounts of minerals.
- (ii) Waves transport heat from tropical regions to polar regions.
- (iii) Water temperature is important to maintain the body functions of the marine organisms.
- (iv) Depth of light attenuation is important to primary productivity in the ocean

SECTION C- GENERAL ENGLISH- 25 QUESTIONS

Underline the correct answer

- 1) I.....him two minutes ago at the laboratory
(i) meet (ii) meeting (iii) met (iv) have meeting
- 2) Don't late when coming to lectures next day.
(i) been (ii) be (iii) being (iv) was
- 3) You passed the semester I examination, if you had worked hard.
(i) should have (ii) have (iii) could have (iv) had
- 4)a Sri Lankan, you can have the governmental medical facility free of charge.
(i) being (ii) was (iii) be (iv) had
- 5) The student was..... his coral reef data yesterday morning.
(i) been recorded (ii) being recorded (iii) recorded (iv) recording
- 6) If the fishes were not evolved on the earth, the ocean..... empty.
(i) would not have been (ii) was (iii) would have been (iv) have been
- 7) Can you count how many fishes..... in this tank?
(i) are there (ii) there are (iii) are (iv) have been
- 8) To pass the swimming competition, you must be very good..... swimming
(i) in (ii) at (iii) be (iv) being
- 9) The examination was not..... I thought.
(i) easy as (ii) as easy as (iii) as easy as (iv) as easy

10)it be possible to have a meeting with you tomorrow Sri?

- (i) when
- (ii) should
- (iii) could
- (iv) would

11) The first semester.....completed by the students

- (i) should
- (ii) would
- (iii) could
- (iv) has been

12) The lab report.....certified by the relevant lecturer.

- (i) should
- (ii) could
- (iii) should be
- (iv) would

13) The instrument has.....broken by a student.

- (i) be
- (ii) been
- (iii) had
- (iv) will

14) Some of the deep marine organisms are still.....identified by the scientists.

- (i) been
- (ii) be
- (iii) being
- (iv) would

15) A large number of marine organismsreported form the Indian Ocean

- (i) have been_
- (ii) have being
- (iii) has being
- (iv) has been

16) Crowding the fishermen in the same area would.....conflicts among fishermen

- (i) result
- (ii) resulted
- (iii) results
- (iv) had resulted

17) Will this report.....ready by tomorrow?

- (i) had
- (ii) be
- (iii) are
- (iv) has

18) The increased Carbon Dioxide in the atmospherereduced by photosynthesis.

- | | |
|------------|--------------|
| (i) can | (iii) can be |
| (ii) would | (iv) could |

19) Higher salinity of seawaterdeveloping specific marine communities.

- | | |
|---------------------|---------------------|
| (i) have supports | (iii) has supported |
| (ii) have supported | (iv) has support |

20) Work-load management, enthusiasm and positive mind-set.....the keys to success

- | | |
|------------|----------|
| (i) is | (ii) be |
| (ii) would | (iv) are |

21) The lecturer distributed samples.....the students.

- | | |
|---------|------------|
| (i) by | (iii) in |
| (ii) on | (iv) among |

22) I..... missed the train.

- | | |
|-----------|------------|
| (i) when | (iii) fast |
| (ii) just | (iv) am |

23)learning subjects, students may have the chance to do sports at their free hours.

- | | |
|---------|------------------|
| (i) the | (iii) as well as |
| (ii) on | (iv) when |

24) The researcher collected three samples from of the four sites.

- | | |
|----------|----------|
| (i) each | (iii) at |
| (ii) on | (iv) the |

25) She told me she.....finished writing the essay

- | | |
|------------|------------|
| (i) hadn't | (iii) have |
| (ii) were | (iv) was |

SECTION D – IQ TEST – 25 QUESTIONS

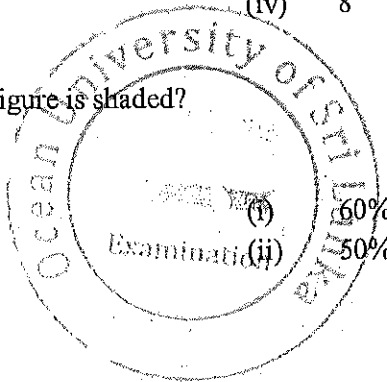
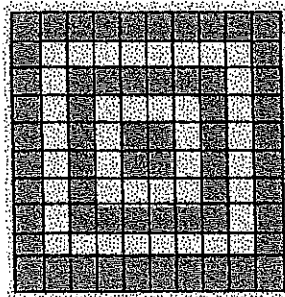
Underline the correct answer

- 1) If three students sit on each of the 16 benches in a class and 5 students are left standing, how many students are there in the class?
- (i) 48 (ii) 46 (iii) 53 (iv) 54
- 2) Out of 1200 pupils in a school, 800 are girls and the rest are boys. If 20% of the girls and 30% of the boys wear spectacles, Find what percentage of the total number of pupils wear spectacles.
- (i) 22.55% (ii) 20.5% (iii) 31.11% (iv) 24.5%
- 3) Which conclusion follows from the statements with absolute certainty?
- (i) All fleas are on cats (ii) Dogs never have red fleas (iii) Cats can sometimes have black fleas (iv) All cats have red fleas
- 4) What is the speed of 12 km per 30 seconds, in km per hour?
- (i) 1440 km/h (ii) 1240 km/h (iii) 1340 km/h (iv) 1420 km/h
- 5) A store sold 80 smartphones, making a 35% profit of Rs. 472,000.00. How much did they charge for each smartphone?
- (i) Rs. 14,513 (ii) Rs. 15,657 (iii) Rs. 16,857 (iv) Rs. 16,657
- 6) Kevin is sixteen years old, and he is four times as old as his younger cousin. How old will Mike be when Mike is three times as old as Kevin's cousin?
- (i) 12 (ii) 16 (iii) 15 (iv) 10
- 7) A boy is facing west before blindfolded. He is spun 180 degrees to the right and then 540 degrees to the left. In what direction is he is now facing?
- (i) North (ii) South (iii) West (iv) East
- 8) Which of the following is the smallest fraction?
- (i) $\frac{3}{4}$ (ii) $\frac{1}{2}$ (iii) $\frac{7}{9}$ (iv) $\frac{5}{8}$
- 9) The salary of the employee was reduced by 40% first and then was increased by 50%. What is the percentage of salary reduction?
- (i) 15% (ii) 20% (iii) 10% (iv) 12%

10) What is one-fifth of one-third of one-half of one-fourth of 480?

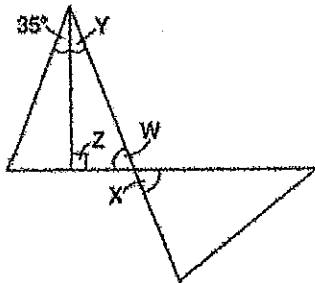
- (i) 120 (ii) 5 (iii) 4 (iv) 8

11) What percentage of the figure is shaded?



- (i) 60% (ii) 70%
(iii) 50% (iv) 65%

12) What is the value of angle X?



- (i) 55 (ii) 70 (iii) 65 (iv) 90

13) Calculate the answer:

$$52(25 + 43) - 24 \div 3$$

- (i) 3,528 (ii) 2,852 (iii) 3,258 (iv) 2,522

14) At a school concert, the total value of tickets sold was Rs.1,506.00. Student tickets were sold for Rs.6.00 each and adult tickets were sold for Rs.9.00 each. The number of adult tickets sold was 5 less than three times the number of student tickets sold. How many student tickets and how many adult tickets were sold?

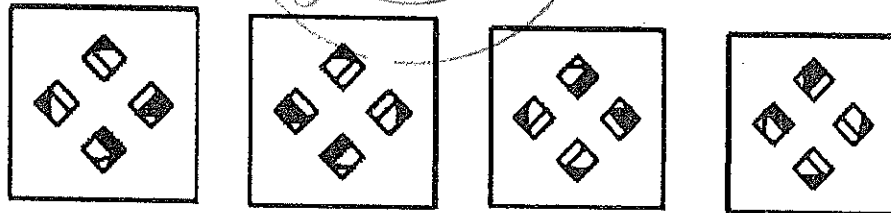
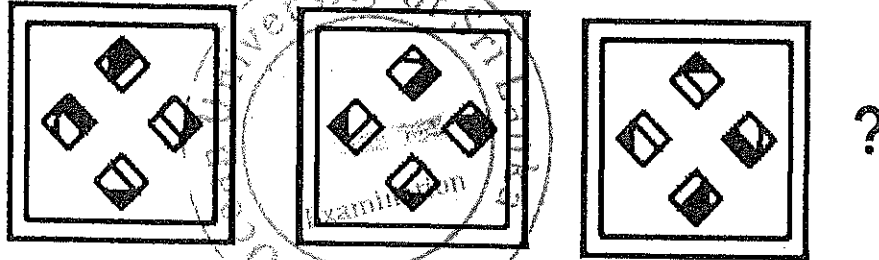
- (i) 45 student tickets 130 adult tickets (ii) 47 student tickets 130 adult tickets
(iii) 47 student tickets 136 adult tickets (iv) 45 student tickets 136 adult tickets

15) If in a certain code language, BOSTON can be written as SNSNSN, then how would you write CALIFORNIA in the same code language?

- (i) OAOAOA (ii) LOILOILOI
(iii) LONLONLON (iv) LONLON

Which of the figures can be used to continue the series given below?

16)



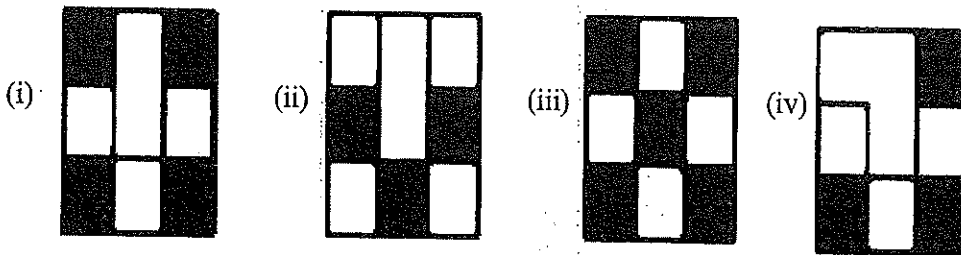
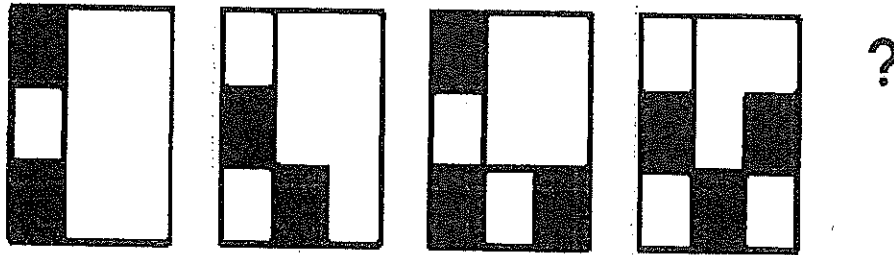
(i)

(ii)

(iii)

(iv)

17)



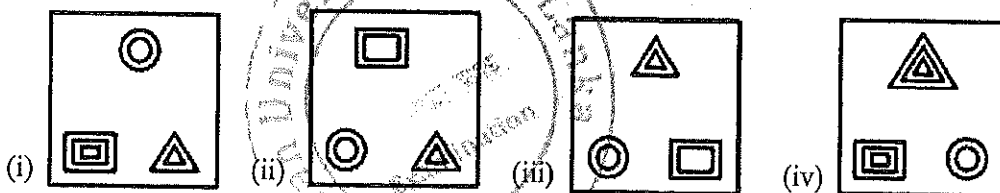
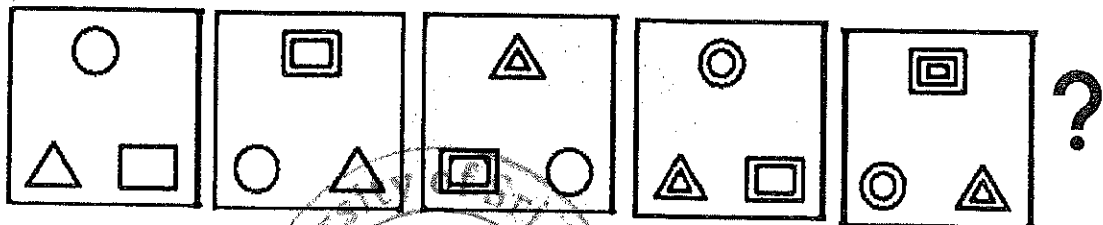
(i)

(ii)

(iii)

(iv)

18)

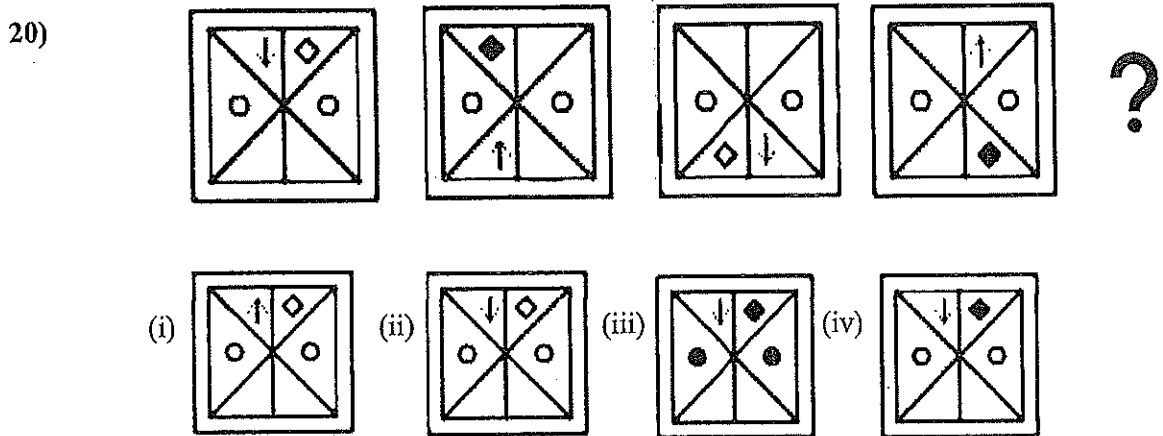
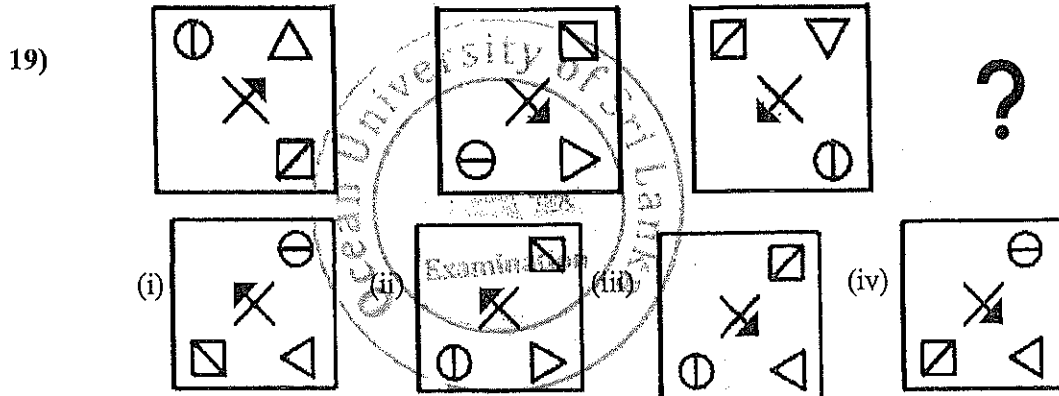


(i)

(ii)

(iii)

(iv)



What is the next number in the series?

- 21) 2, 6, 12, 20, ____
 (i) 28 (ii) 32 (iii) 36 (iv) 30
- 22) 3, 6, 18, 72, ____
 (i) 84 (ii) 360 (iii) 300 (iv) 104
- 23) 153, 158, 151, 156, 149, 154, 147; ____
 (i) 152 (ii) 156 (iii) 153 (iv) 154
- 24) 2, 7, 13, 20, 28, ____
 (i) 30 (ii) 36 (iii) 40 (iv) 37
- 25) 31, 7, 25, 13, 19, 19, 13, ____
 (i) 31 (ii) 20 (iii) 25 (iv) 27

.....End of the Paper.....

