

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

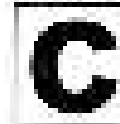
F.O. CODE & TEST

TEST BOOKLET SERIES

Serial No.

117155

TEST BOOKLET
GENERAL STUDIES



Paper—C

Time Allowed: Two Hours

Maximum Marks: 100

INSTRUCTIONS

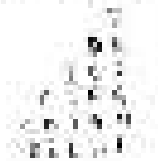
1. INDICATELY WRITE IN A CORNER OF THE TEST BOOKLET YOUR NAME, REGISTRATION NO., THE NAME OF THE EXAMINATION CENTRE AND THE NAME OF THE BOARD. WRITE THE NAME OF THE BOARD IN A CORNER OF THE TEST BOOKLET.
 2. Please note that in the examination booklet, the question paper is divided into two parts, Part I and Part II. Part I contains 25 questions and Part II contains 25 questions. The total number of questions is 50. The number of the question paper is 117155. The name of the examination is General Studies.
 3. You have to attempt all the questions in the Test Booklet in the answer sheet provided. The answer sheet is divided into two parts, Part I and Part II.
 4. The Test Booklet contains 50 questions. Each question has a Hindi and English version. You have to attempt all the questions in the answer sheet. The answer sheet is divided into two parts, Part I and Part II. The number of the question paper is 117155. The name of the examination is General Studies.
 5. You have to attempt all the questions in the Test Booklet in the answer sheet provided.
 6. All the questions are compulsory.
 7. Candidates are required to attempt all the questions. Each question has a Hindi and English version. You have to attempt all the questions in the answer sheet. The answer sheet is divided into two parts, Part I and Part II. The number of the question paper is 117155. The name of the examination is General Studies.
 8. You have to attempt all the questions in the Test Booklet in the answer sheet provided.
 9. You have to attempt all the questions in the Test Booklet in the answer sheet provided.
 10. You have to attempt all the questions in the Test Booklet in the answer sheet provided.
 11. You have to attempt all the questions in the Test Booklet in the answer sheet provided.
- 12. Answer the seven questions:**
- (a) Write a short note on the following: (10 marks)
- (b) Write a short note on the following: (10 marks)
- (c) Write a short note on the following: (10 marks)
- (d) Write a short note on the following: (10 marks)
- (e) Write a short note on the following: (10 marks)
- (f) Write a short note on the following: (10 marks)
- (g) Write a short note on the following: (10 marks)

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1. If $\angle A = 60^\circ$ in the triangle $\triangle ABC$, the area of $\triangle ABC$ is

- (A) $\sqrt{3}$
- (B) $2\sqrt{3}$
- (C) $4\sqrt{3}$
- (D) $8\sqrt{3}$



2. If $\angle A = 60^\circ$ in the triangle $\triangle ABC$ and $\angle B = 45^\circ$ in the triangle $\triangle ABC$, then $\frac{AC}{AB}$ is equal to

- (A) $\frac{1}{\sqrt{3}}$
- (B) $\frac{1}{2}$
- (C) $\frac{1}{\sqrt{2}}$
- (D) $\frac{1}{\sqrt{3}}$



3. If $\angle A$ is between $\angle B$ and $\angle C$ and $\angle A$ is between $\angle C$ and $\angle B$, then $\angle A$ is

- (A) 90°
- (B) 45°
- (C) 135°
- (D) 180°

4. $\angle A$ and $\angle B$ are adjacent angles when $\angle A = 120^\circ$ and $\angle B = 60^\circ$ then $\angle A$ and $\angle B$ are

- (A) 180°
- (B) 240°
- (C) 300°
- (D) 360°

Directions for the following 5 items: Read the following information and answer the questions that follow.

The plan of an office block for six offices, A, B, C, D, E and F is as follows: A block B and C occupy offices to the right of the corridor, while D, E and F occupy offices to the left of the corridor. B and F occupy offices at opposite ends of the corridor, but office E occupies both ends. The offices of C and D share each other. A door connects a corridor office to an office down the corridor from it, but on the same side.

5. If B goes to his office and leaves the corridor, whose office is to his left?

- (A) A (B) D
- (C) E (D) F

6. Who occupies the immediate neighbours' right hand?

- (A) A and B (B) D and E
- (C) C and D (D) E and F

question for the following T (multiple choice) part. You have the following text passage and answer the MCQs that follow. From 10 marks to these questions should be based on the passage only.

Passage-1

Threats to the environment are a direct result of expansion in process of nations in the biological productivity of its components. Making its land less of productivity. While this phenomenon is often linked to the soil, water and air, additional vegetation, even in the forest, could be an impact could be used. Continued impoverishment of natural resources in various ways are evident, such as a variety of soil. Moisture is being lost in the mountain regions of low altitude, with loss of land as in the semi arid zone and hence resulting loss of the country. In fact, the soil and water are the factors and air quality. Increased contact between various regions, decline in land cover and consequent acceleration of soil erosion across the hot spots. A major source of soil degradation is due to erosion in various directions in the technology and related soil and cultural losses. The consequence of deforestation usually, side out of the deforestation, loss of natural forest. The present Asia and South America have the highest levels of forest. The study highlights the impact are increasing in a alarming rate (eg. through the rapid river erosion, change and the increasing in the urban, mining and industrialization and the forest land management. It would be required to focus on strategies in the mountain regions for creating sustainable policies of the traditional, while playing up of the management

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Q. According to the passage, which of the following are the consequences of decline in forest cover?

1. Loss of soil fertility
2. Loss of natural beauty
3. Increase effect on agricultural production
4. Decline of production

Which of the following are wrong according to passage below.

- (a) 1, 2 and 3 only
(b) 2, 3, 4 and 5 only
(c) 1 and 4 only
(d) 1, 2, 3 and 4 only

8. Which of the following is/are the correct requirement(s) for success of an integrated PWS (as envisaged)?

1. Minimum average water consumption of 100 litres per day
2. High level of local water supply due to higher collection rate
3. Higher technological practices in urban as a major reason for water losses in Treated (vs. WWS) and Sewer Systems

Also, if correct answer using the code given below

- (A) 1 only
 (B) 1 and 2 only
 (C) 2 and 3 only
 (D) None of the above is a correct inference

9. With reference to 'sanitation' in a city/town in the country, the following statements have been made:

1. Sanitation is a planning and a political issue only
2. Sanitation invariably leads to BIODIVERSITY PROMOTION

Also, if correct answer using the code given below

- (A) 1 only
 (B) 2 only
 (C) Both 1 and 2
 (D) Neither 1 nor 2

Example-3

A Community of around 50000 will be served by a sewerage Sanitation system and sewage treatment system. Sewerage Sanitation will be mostly dry sanitation, as per the WWS and water supply Code and standard. The Sewerage system will be a partially sewered system covering most houses. Sewerage collected will go to various facilities for various aspects of handling including: High yield biogas, water, heat, or low yield biogas. Associated Sewerage programme of the Sewerage Sanitation will be: 1. Multiple treatment of sewage using physical and chemical/bio-remediation components with an effluent reduction to agreed standards. 2. Various handling of effluent sludge. Under a changing scenario, the responsibility and information of this and management practices will need to be placed on the end customer. Sewerage Sanitation will be provided to facilitate system management to keep up with the change in effluent

10. With reference to 'waste management', which of the following statements is/are correct with the reference above?

1. Utilization of natural water resource
2. Conservation of water per person
3. Minimizing water management practices
4. Negative residues

Also, if correct answer using the code given below

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

11. Which of the following is the correct passage for following given information? (1 mark)

- A) More people are interested in the idea of using average for career change.
- B) Most of the candidates are positive about the evolution of their careers and their own interests.

Which of the above assumptions is/are valid?

- A) 1 only
- B) 2 only
- C) Both 1 and 2
- D) Neither 1 nor 2

Passage 4

Today, the top environmental challenge in a sustainable development agenda is climate change. It is the responsibility of all of us to take action to reduce our carbon footprint and to support the transition to a low-carbon economy. This means that we need to change our lifestyles and to support the transition to a low-carbon economy. This means that we need to change our lifestyles and to support the transition to a low-carbon economy.

12. Which of the following is the most correct and logical inference that can be made from the above passage?

- A) The world has not yet seen the best of human technology in food, clothing and shelter.
- B) The only way to reduce environmental damage is to limit human population.

A) Reducing CO₂ emissions is the only way to reduce climate change.

B) Transition to a low-carbon economy can only help to reduce climate change.

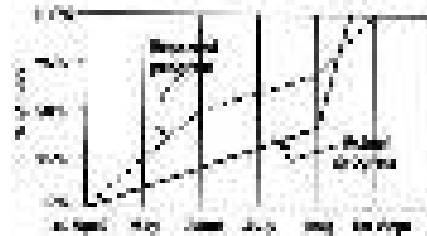
Passage 4

Some people believe that learning is a costly, which may limit its growth. They believe that learning is a costly, which may limit its growth. They believe that learning is a costly, which may limit its growth. They believe that learning is a costly, which may limit its growth. They believe that learning is a costly, which may limit its growth.

13. The author of the passage holds the view that

- A) learning can be taught through one experience only.
- B) learning can be acquired only on long.
- C) the benefits of learning show that more people should invest in learning.
- D) despite significant investments, few benefits are produced.

11. Consider the following graph :



Which one of the following statements is **NOT** correct with reference to the graph given above?

- (a) In July, the actual progress of work was less than expected.
- (b) The actual rate of progress of work was the greatest during the month of August.
- (c) The work was normally completed before the expected time.
- (d) During the period from the April to the September, at no time was the actual progress more than the expected progress.

12. A group took a survey and measured three variables shown in the following table :

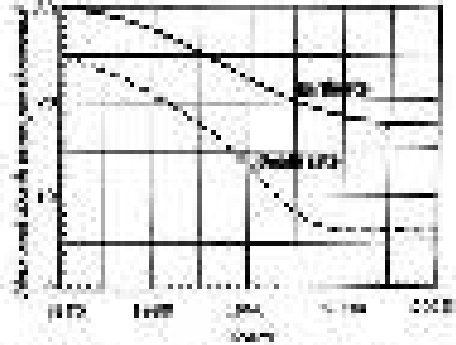


There are five different colors available to choose from and each of the three styles shown above is to be painted such that no color is there less than twice. In how many different ways can the survey result be painted?

- (a) 120
- (b) 96
- (c) 84
- (d) 72

Directions for the following 2 (two) items :

Consider the following graph, in which the distance and time rate of a car are shown. 100 Meters 20 and 40 are fixed values.



Looking at the graph, it can be inferred that from 1970 to 2000

- (a) population growth rate has increased.
- (b) population growth rate has decreased.
- (c) growth rate of population has remained same.
- (d) population growth rate shows no trend.

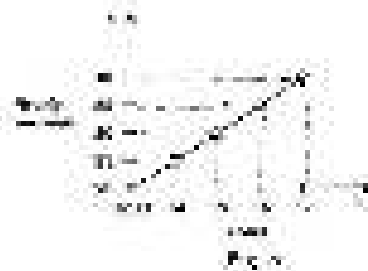
14. With reference to the above graph, consider the following statements concerning 1970 to 2000 :

- 1. population has doubled after 10 years.
- 2. population growth rate has doubled after 10 years.
- 3. Time rate has fallen to 10% in 10 years.
- 4. distance has doubled after 10 years.

Which of the above are the most logical and rational statements that can be made from the above graph?

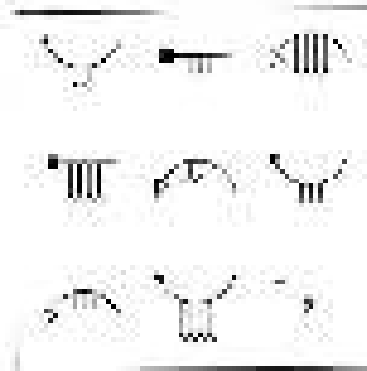
- (a) 1 and 3 only
- (b) 1, 2 and 3
- (c) 2 and 4
- (d) 3 and 4

11. Average daily temperature per hour (T) of an area is as shown in the graph below. The graph is as follows:



- (a) slope of the graph is 10.
- (b) slope of the graph is 20.
- (c) slope of the graph is 1/20.
- (d) slope of the graph is 1/10.

12. Match the first column with the second:



To do this question, use the following activity:



$$y = x + 1$$



29. Consider the following equations and Fig. 2.

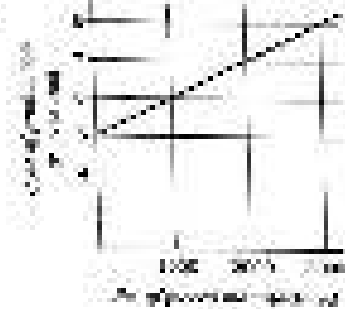


Fig. 2

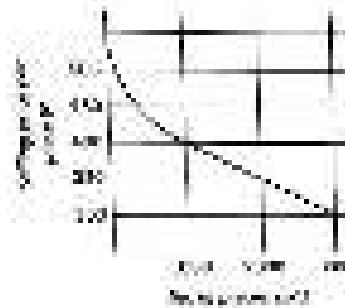


Fig. 3

The variables being compared are plotted with the number of people on the x-axis and the number of people on the y-axis. Figure 2 is a line of comparison. What is the minimum number of people that should be added to the number of people?

- (A) 1000 (B) 2000
(C) 3000 (D) 4000

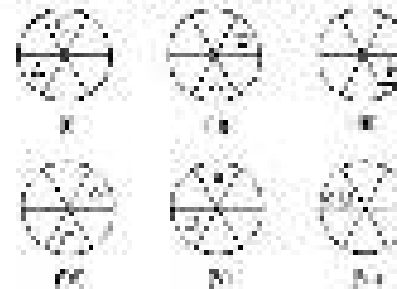
30. A person bought an antique watch for \$20,000. The watch's value increased 10% each year for the next 3 years. How much more did the watch cost when he sold it?

- (A) \$2 (B) \$15
(C) \$12 (D) \$18

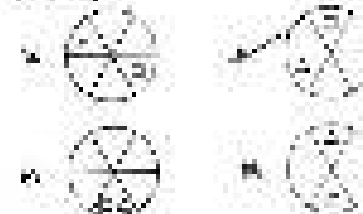
30. A person bought an antique watch for \$20,000. The watch's value increased 10% each year for the next 3 years. How much more did the watch cost when he sold it?

- (A) \$2 (B) \$15
(C) \$12 (D) \$18

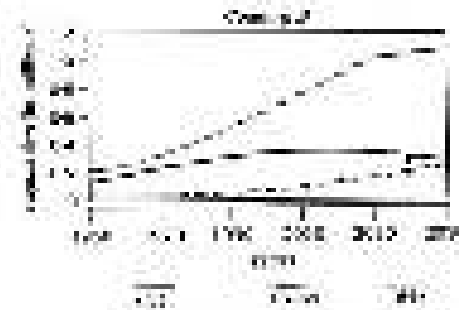
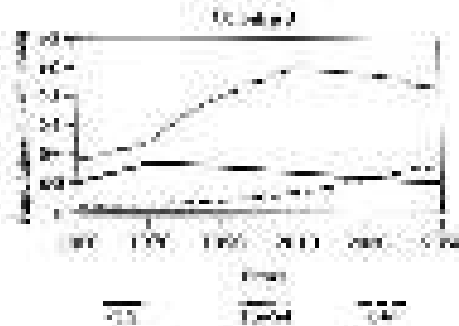
31. Consider the following figures.



In the figures (A) to (F), each circle is divided into six sectors by three diameters. In a regular clockwise beginning from the top-left sector in the circle (A), what will be the number in the top-right sector in (F)?



21. Consider the following graphs. The values in the graphs represent different age groups in the population of two countries A and B over a period of four decades.



22. Refer to the same graphs, which of the following are the rural population and combined population that can be said?

1. Line 1 is rural and a fall towards 2050 depending on the country B than A. TRUE
2. Line 2 is rural and a fall towards 2050 depending on the country A than B. TRUE

3. Line 3 is rural and a fall towards 2050 depending on the country A than B. TRUE

23. Point to the two countries along with the given below.

- a. 1 and 2 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1, 2 and 3

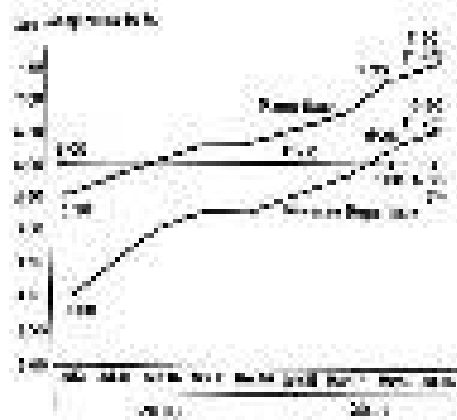
24. Location can be defined as distance and direction between two places. A given set of numbers is shown in figure.

- a. 1. India, 2. India, 3. India, and 4. India from the diagram.
- b. 1. India, 2. India, 3. India, 4. India from the same place in India.
- c. The first place and 2. were places and the same and 3. 4. are.

25. In the given figure

- a. are 10000
- b. are 100000
- c. are 100
- d. location

22 The graph shows how inflation has changed since 1960. The horizontal axis shows the years and the vertical axis shows the percentage change in the price level.



Which two of the following are the most likely reasons for the fall in inflation in the UK and Japan in the 1980s and 1990s?

- (a) Increasing foreign investment
- (b) Increasing the liquidity
- (c) Tightening credit, price and wage controls

(a) and (b) only

05/10/2019, 10:50:00

10

Directions: For the following 3 items, choose 1

The following table gives the GDP growth rate for 18 countries, data of 1999. (GDP is a country's gross domestic product. The table has a row for 1999, from the 1990s)

Country	Per capita GDP (in US dollars)	GDP growth rate (%)	Country
China 1	244	8.81	USA 1
China 2	418	8.71	USA 2
China 3	518	10.02	USA 3
China 4	818	8.78	USA 4
China 5	991	7.91	USA 5
China 6	1077	7.90	USA 6
China 7	1528	8.00	USA 7
China 8	2291	7.89	USA 8
China 9	3201	7.70	USA 9
China 10	4101	7.60	USA 10
China 11	5101	7.50	USA 11
China 12	6101	7.40	USA 12
China 13	7101	7.30	USA 13
China 14	8101	7.20	USA 14
China 15	9101	7.10	USA 15
China 16	10101	7.00	USA 16
China 17	11101	6.90	USA 17
China 18	12101	6.80	USA 18

23 Which two are the most likely, with reference to the following, the most likely and well known by the public, reasons that may be used?

1. Higher per capita income is generally associated with higher inflationary pressure.
2. Higher GDP growth rate always causes higher inflationary pressure.
3. Higher GDP growth rate always, necessarily causes higher inflationary pressure.

Both 1 and 2 are correct and 3 is incorrect

(a) 1 and 2

(b) 1 and 3

10/10/20

21. With reference to the above text, the following statement is false because:

1. Residuals, primarily, do not reflect high performing firms caused by factors not being tracked. Further, large investments in the future, international.
2. Companies with high sales growth in the most volatile countries are producing the highest and most stable growth in a share.

Which of the above statements are correct?

- A) 1 only
- B) 2 only
- C) Both 1 and 2
- D) Neither 1 nor 2

22. The following graph indicates the composition of GDP for the major G7 countries of the decade.



Which statement for the above graph, which of the following, is not correct? Explain and support your answer by reference to the graph.

1. During the given period, the relative value added, terms of percentage of gross value added, has increased while that of labour force decreased.
2. The trend in the relative value added, terms of percentage of gross value added, has been negative during the given period.

Which of the above statements are correct?

- A) 1 only
- B) 2 only
- C) Both 1 and 2
- D) Neither 1 nor 2

23. Which of the following statements are correct?

1. There is a direct relation between the rate of change of y and y .
2. There is a direct relation between the rate of change of x and x .
3. There is a negative relation between the rate of change of x and y .

Which of the above statements are correct?

- A) 1 only
- B) 2 only
- C) Both 1 and 2
- D) Neither 1 nor 2 nor 3

The relation for the following 2 physical quantities

used in following two passages and answer the above 3rd question. You should be able to identify the relation for the passages also.

(Passage - 1)

The mass of a sheep and a piglet are 100 kg and 50 kg respectively. The mass of a piglet is 100 kg and 50 kg respectively. The mass of a piglet is 100 kg and 50 kg respectively.

and drinking water, which has been found in a study of the water table pollution in the area. (a) Microbial growth rate will be high during the summer months and will be low during the winter months and the rainfall will be high and the ground water level will be high. (b) Microbial growth rate will be high during the summer months and will be low during the winter months. (c) Microbial growth rate will be high during the summer months and will be low during the winter months. (d) Microbial growth rate will be high during the summer months and will be low during the winter months.

31. Which of the following is the most correct and most accurate description of the passage?
- (a) Microbial growth rate will be high during the summer months and will be low during the winter months.
 - (b) Microbial growth rate will be high during the summer months and will be low during the winter months.
 - (c) Microbial growth rate will be high during the summer months and will be low during the winter months.
 - (d) Microbial growth rate will be high during the summer months and will be low during the winter months.

Passage - 3

A study has been conducted to determine the effect of the amount of light on the growth of the algae. The results show that the amount of light has a significant effect on the growth rate of the algae. The more light the algae receive, the faster they grow. This is because light is the source of energy for the photosynthesis process, which allows the algae to produce glucose and other organic molecules that they use for energy and growth. The study also found that the amount of light has a significant effect on the pH of the water. As the amount of light increases, the pH of the water decreases. This is because the increased light causes the algae to produce more organic acids, which lower the pH of the water.

32. Which of the following is the most correct and most accurate description of the passage?
- (a) The results show that the amount of light has a significant effect on the growth rate of the algae.
 - (b) The results show that the amount of light has a significant effect on the pH of the water.
 - (c) The results show that the amount of light has a significant effect on the growth rate of the algae.
 - (d) The results show that the amount of light has a significant effect on the pH of the water.

33. Which of the following is the most correct and most accurate description of the passage?
- (a) The results show that the amount of light has a significant effect on the growth rate of the algae.
 - (b) The results show that the amount of light has a significant effect on the pH of the water.
 - (c) The results show that the amount of light has a significant effect on the growth rate of the algae.
 - (d) The results show that the amount of light has a significant effect on the pH of the water.

34. A study has been conducted to determine the effect of the amount of light on the growth of the algae. The results show that the amount of light has a significant effect on the growth rate of the algae. The more light the algae receive, the faster they grow. This is because light is the source of energy for the photosynthesis process, which allows the algae to produce glucose and other organic molecules that they use for energy and growth. The study also found that the amount of light has a significant effect on the pH of the water. As the amount of light increases, the pH of the water decreases. This is because the increased light causes the algae to produce more organic acids, which lower the pH of the water.

$$\frac{P}{Q} = \frac{20}{100}$$

$$\frac{P}{Q} = \frac{1}{5}$$

27. A solid metal cube is being painted on all six faces. On 100 cubes, an interior face is painted. How many of the painted cubes will have exactly two painted faces?

- (A) 12 (B) 24
 (C) 36 (D) 48

28. The product of all the numbers from 100 to 1000 that have a number whose sum of digits is a multiple of 3 is given by $10^m \times 3^n \times 5^p \times 7^q$, and the digit in the tens place is greater than the digit in the units place. What is the value of m ?

- (A) 10 (B) 18
 (C) 24 (D) 30

29. The numbers 1, 2, 3, 4, 5, 6, and 7 are being multiplied. The product of the numbers is a power of 2.

- (A) Four 2's
 (B) Five 2's
 (C) Six 2's
 (D) Seven 2's

30. A sequence with M variables of geometric progression has the value of P_1 as first term and P_2 as common ratio. The value of the M th term of the sequence is P_3 . The value of the $(M-1)$ th term of the sequence is P_4 .

- (A) $\frac{P_3}{P_2} - P_1$ (B) $\frac{P_3}{P_2} - P_2$
 (C) $\frac{P_3}{P_2} - P_3$ (D) $\frac{P_3}{P_2} - P_4$

31. A bag contains 10 balls numbered 1 to 10. A ball is drawn at random. It is replaced and the ball is drawn again. The probability that the sum of the numbers of the two balls drawn is 10 is $\frac{1}{5}$. What is the value of n ?

- (A) 1 (B) 2
 (C) 3 (D) 4

32. Two points A and B are randomly selected on a line of length 10. The distance between the two points is a multiple of 2. What is the probability that the distance between the two points is a multiple of 3?

- (A) $\frac{1}{3}$ (B) $\frac{1}{4}$
 (C) $\frac{1}{5}$ (D) $\frac{1}{6}$

33. A number n is a multiple of 100. The number n is a multiple of 100. The number n is a multiple of 100. The number n is a multiple of 100.

- (A) 100 (B) 120
 (C) 140 (D) 160

34. A bag contains 10 balls numbered 1 to 10. A ball is drawn at random. It is replaced and the ball is drawn again. The probability that the sum of the numbers of the two balls drawn is 10 is $\frac{1}{5}$.

- (A) 1 (B) 2
 (C) 3 (D) 4

questions for the following 6 (six) items:

47. The following table lists the number of students who took the exam that follows.

A, B, C and D are students. They are studying in one of the colleges, viz. P, Q, R and S. You are given the following information. They are studying in one of the colleges: A is studying in College R and D is studying in College Q. You are also given the names of the students in each of the colleges: P: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. You are also given the following information: P, Q, R, S, T, U, V, W, X, Y, Z are studying in P, Q, R, S, T, U, V, W, X, Y, Z.

- (a) A is studying in College P.
- (b) A is studying in College R.
- (c) A is studying in College Q.
- (d) A is studying in College S.

- 48. A is studying in
 - (a) Rajasthan
 - (b) Kerala
 - (c) Karnataka
 - (d) Tamil Nadu

- 49. A is studying in College P.
 - (a) P, Q, R, S, T, U, V, W, X, Y, Z
 - (b) P, Q, R, S, T, U, V, W, X, Y, Z
 - (c) P, Q, R, S, T, U, V, W, X, Y, Z
 - (d) P, Q, R, S, T, U, V, W, X, Y, Z

- 50. A is studying in
 - (a) Kerala
 - (b) Karnataka
 - (c) Tamil Nadu
 - (d) Rajasthan

- 51. Which one of the following statements is true?
 - (a) A is studying in College P.
 - (b) A is studying in College R.
 - (c) A is studying in College Q.
 - (d) A is studying in College S.

52. Which one of the following statements is true?

- (a) A is studying in College P.
- (b) A is studying in College R.
- (c) A is studying in College Q.
- (d) A is studying in College S.

- 53. Which one of the following statements is true?
 - (a) A is studying in College P.
 - (b) A is studying in College R.
 - (c) A is studying in College Q.
 - (d) A is studying in College S.

- 54. Which one of the following statements is true?
 - (a) A is studying in College P.
 - (b) A is studying in College R.
 - (c) A is studying in College Q.
 - (d) A is studying in College S.

Directions for the following 10 (ten) items:

Read the following paragraph carefully and answer the questions that follow. The information to be used for the questions is given in the paragraph only.

Paragraph 1

All services are affected with special situations, however minor. Planning is vital in order for countries to address the challenges and coordinate adaptation and mitigation plans and projects. The government is also active in developing and implementing policies to reduce the impact of climate change, such as the National Adaptation Plan (NAP) to address the impact of climate change on the environment and the economy. The government is also active in developing and implementing policies to reduce the impact of climate change, such as the National Adaptation Plan (NAP) to address the impact of climate change on the environment and the economy.

49. Which statement is NOT true about the impact of the Internet?

- a) It has increased the global exchange of information and ideas between countries.
- b) It has made it easier to find information for government programs.
- c) It has made it easier to compare prices between countries and to buy goods from other countries.
- d) It has made it easier to find information about the location of other countries.

Which of the following statements is true about the Internet?

- a) It has increased the global exchange of information and ideas between countries.
- b) It has made it easier to find information for government programs.
- c) It has made it easier to compare prices between countries and to buy goods from other countries.
- d) It has made it easier to find information about the location of other countries.

Passage 49

During the 1990s and early 2000s, the Internet became a major force in global communication and information exchange. It has made it easier to find information for government programs, to compare prices between countries, and to buy goods from other countries. It has also made it easier to find information about the location of other countries. The Internet has had a profound impact on the way we live and work. It has made it easier to find information for government programs, to compare prices between countries, and to buy goods from other countries. It has also made it easier to find information about the location of other countries. The Internet has had a profound impact on the way we live and work.

50. Which of the following is NOT true about the impact of the Internet?

- a) It has increased the global exchange of information and ideas between countries.
- b) It has made it easier to find information for government programs.
- c) It has made it easier to compare prices between countries and to buy goods from other countries.
- d) It has made it easier to find information about the location of other countries.

Passage 50

During the 1990s and early 2000s, the Internet became a major force in global communication and information exchange. It has made it easier to find information for government programs, to compare prices between countries, and to buy goods from other countries. It has also made it easier to find information about the location of other countries. The Internet has had a profound impact on the way we live and work. It has made it easier to find information for government programs, to compare prices between countries, and to buy goods from other countries. It has also made it easier to find information about the location of other countries. The Internet has had a profound impact on the way we live and work.

51. Which of the following is NOT true about the impact of the Internet?

- a) It has increased the global exchange of information and ideas between countries.
- b) It has made it easier to find information for government programs.
- c) It has made it easier to compare prices between countries and to buy goods from other countries.
- d) It has made it easier to find information about the location of other countries.

Passage 51

The Internet has had a profound impact on the way we live and work. It has made it easier to find information for government programs, to compare prices between countries, and to buy goods from other countries. It has also made it easier to find information about the location of other countries. The Internet has had a profound impact on the way we live and work. It has made it easier to find information for government programs, to compare prices between countries, and to buy goods from other countries. It has also made it easier to find information about the location of other countries. The Internet has had a profound impact on the way we live and work.

the period of 1980-85, 90% of the net investment in agricultural machinery, 80% in housing, 85% in rural health, irrigation, etc. In the 2000-05 period, the total net investment in rural infrastructure projects has been 50% of the gross fixed capital formation in the rural sector. The Government has been providing a 20% subsidy on the cost of agricultural machinery and other capital goods to the rural sector.

- 8) Which one of the following is the most important implication of the PDS? (a) In the long run, increasing demand for food grains is being met due to the liberalization and privatisation of the economy. (b) Market-oriented policies have made India self-sufficient in food grains. (c) The 2000-05 period will have a double-digit growth rate of 10-12% in food grains. (d) The Asian crisis has forced India to increase production of food grains.

Parag 10)

In a member of the WTO, food is treated by the agreement that have been signed was added by the agreement including food. According to Article 13 of the Agreement, WTRT provides a number of special provisions for agricultural products or commodities. Subsidies are required to be made. The amount of such subsidies is equal to the amount of the value of agricultural products for developing countries. It is to be less than 10% of the value of agricultural products and public stockholding of food products. In some cases, the subsidy in products can exceed 10% of the value of agricultural products.

- 9) Which of the following messages is relayed by the above passage? (a) India should move out of WTO. (b) India should join WTO. (c) India should not join WTO. (d) India should join WTO.

10) The India has entered into WTO.

11) India's economic condition is

Parag 11)

India's educational system is controlled by the state education system that established in the 19th century in Europe and later system were introduced. The goal of the system is to train children in good habits and productive workers. This kind of system has been replaced the western style of a complete education with a minimum set of conditions. One of several conditions should include with self-reliance and self-provision of basic supplies to all citizens. It includes that an economic goal of state education must be to supply all citizens with a complete, reliable and properly maintained supply.

- 12) With reference to the above passage, the following statements are made. (a) India's education is a developing country which is developing economic system. (b) India's education must be complete coverage education. (c) A good education system is a good developed countries. The education system for developed countries does not have a perfect scheme of the methods, which are required.

Which of the above statements is/are correct?

- (a) 1 and 2 only
- (b) 2 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

Paragraph 1

percentage of total 100 seats would be available for women in the first round. In order to get a seat, a candidate has to get 10% of the total votes. The second round is held if no candidate gets 10% of the total votes in the first round. In the second round, the number of seats is reduced to 50% of the seats in the first round. The candidate who gets 10% of the total votes in the second round gets the seat. If no candidate gets 10% of the total votes in the second round, the seat is reserved for women.

80. Which of the following is the correct inference that can be made from the above passage?
- Only 50% of the seats are reserved for women in the first round.
 - A candidate gets 10% of the total votes in the first round.
 - Only 50% of the seats are reserved for women in the second round.
 - There is no reserved seat for women in the second round.

Paragraph 2

Reserve seats for women in the first round of the election. In order to get a seat, a candidate has to get 10% of the total votes. The second round is held if no candidate gets 10% of the total votes in the first round. In the second round, the number of seats is reduced to 50% of the seats in the first round. The candidate who gets 10% of the total votes in the second round gets the seat. If no candidate gets 10% of the total votes in the second round, the seat is reserved for women.

81. Which of the following is the most logical inference that can be made from the passage?
- Only 50% of the seats are reserved for women in the first round.
 - A candidate gets 10% of the total votes in the first round.
 - Only 50% of the seats are reserved for women in the second round.
 - There is no reserved seat for women in the second round.

82. A candidate who gets 10% of the total votes in the first round of the election gets 50% of the total votes in the second round. What is the percentage of the total votes that he/she gets in the second round?
- | | |
|---------|---------|
| (a) 10% | (b) 20% |
| (c) 50% | (d) 70% |

83. A candidate who gets 10% of the total votes in the first round of the election gets 50% of the total votes in the second round. What is the percentage of the total votes that he/she gets in the second round?
- | | |
|---------|---------|
| (a) 10% | (b) 20% |
| (c) 50% | (d) 70% |

84. A candidate who gets 10% of the total votes in the first round of the election gets 50% of the total votes in the second round. What is the percentage of the total votes that he/she gets in the second round?
- | | |
|---------|---------|
| (a) 10% | (b) 20% |
| (c) 50% | (d) 70% |

10. A firm's production function is given by $Q = 100L^{0.5}K^{0.5}$, where L is the number of workers and K is the number of machines. The firm has 100 workers and 100 machines. The firm's production function is given by $Q = 100L^{0.5}K^{0.5}$. What is the firm's output?

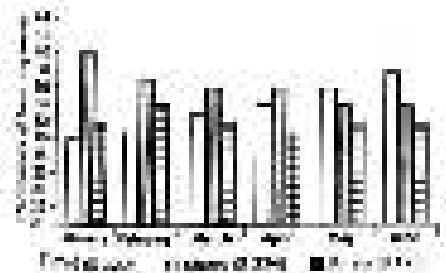
(A) $Q = 10000$

(B) $Q = 1000$

(C) $Q = 100$

(D) $Q = 10$

11. Consider the following production function: $Q = 100L^{0.5}K^{0.5}$. The firm has 100 workers and 100 machines. The firm's production function is given by $Q = 100L^{0.5}K^{0.5}$. What is the firm's output?



12. The firm's production function is given by $Q = 100L^{0.5}K^{0.5}$. The firm has 100 workers and 100 machines. The firm's production function is given by $Q = 100L^{0.5}K^{0.5}$. What is the firm's output?

(A) 10000

(B)

(C)

13. The firm's production function is given by $Q = 100L^{0.5}K^{0.5}$. The firm has 100 workers and 100 machines. The firm's production function is given by $Q = 100L^{0.5}K^{0.5}$. What is the firm's output?

(A) $Q = 10000$

(B) $Q = 1000$

14. The firm's production function is given by $Q = 100L^{0.5}K^{0.5}$. The firm has 100 workers and 100 machines. The firm's production function is given by $Q = 100L^{0.5}K^{0.5}$. What is the firm's output?

(A) 10000

(B) 1000

(C) 100

(D) 10

15. The firm's production function is given by $Q = 100L^{0.5}K^{0.5}$. The firm has 100 workers and 100 machines. The firm's production function is given by $Q = 100L^{0.5}K^{0.5}$. What is the firm's output?

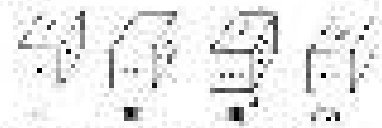
(A) 10000

(B) 1000

(C) 100

(D) 10

16. The firm's production function is given by $Q = 100L^{0.5}K^{0.5}$. The firm has 100 workers and 100 machines. The firm's production function is given by $Q = 100L^{0.5}K^{0.5}$. What is the firm's output?



17. The firm's production function is given by $Q = 100L^{0.5}K^{0.5}$. The firm has 100 workers and 100 machines. The firm's production function is given by $Q = 100L^{0.5}K^{0.5}$. What is the firm's output?

(A) 10000

(B) 1000

(C) 100

(D) 10

24. What is the purpose of the law regarding the fair copying provision?

- A) Copyright Act
- B) Trade Act
- C) Fair Use Act
- D) None

25. What is the goal of the fair copying law that is not being met?

- A) Copyright Act
- B) Trade Act
- C) Fair Use Act
- D) None

Directions for the following (10 questions):

Read the following passage and answer the four items that follow. Your answers to these items should be based on the passage only.

Passage

For the past decade, the use of technology in providing the universal access to education, making available learning materials to all needed, especially, in the rural areas, is one of the main goals of the Department of Education (DOE) in the learning process. The goal may be done, but children may not benefit if they are deprived of the learning materials. The social and cultural differences, which are from the rural areas of many provinces, cultural and ethnic language and religious issues, factors that prevent children from seeking services and materials needed are the main reasons why learning materials development is necessary. The first goal is to be for parents and their children, since their groups are the main beneficiaries and at the general level of national, a goal is to reach the education.

The right to education goes beyond the social economic conditions to include public resources for all quality of an integral part of

the right to education. The education process looks quality, which are being denied. The right to education is free and compulsory education for all, which is the foundation of the public system through which children, especially, are educated. This means an obligation to all to always the presence of children in public schools of knowledge and income beyond the curriculum of any textbooks in the form of rural areas. The development process with 2000s Education and a strategic program for curriculum development is needed to provide for a quality learning system that is more relevant and important. The development system of education and culture that is free and learning and that the right to reach to a child-friendly, recognized as the effort. The learning materials must be developed and highlighted to ensure that children and rural children in struggle to reach school and better content and beyond education.

26. According to the passage, which of the following is not a purpose of the Department under the Right to Education?

- 1. Providing children to school for all
- 2. Making of learning materials
- 3. Developing culture for developing child-friendly learning system

27. Which of the following is not a goal of the Department?

- A) 1 only
- B) 1 and 2 only
- C) 3 only
- D) 1 and 3 only

28. What is the main goal of the law?

24. With reference to the above passage, the following statements have been made:

1. The Right to Education guarantees equality of access to all for the learning process of children.
2. The Right to Education guarantees every individual of children to be educated.
3. The Right to Education intends to give full advantage of being gender students.

Which of the above statements are valid?

- (a) 1 only
- (b) 2 and 3 only
- (c) 3 only
- (d) 1, 2 and 3

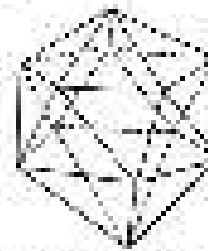
25. According to the passage, which one of the following is essential for attaining quality in education?

- (a) Educating children in distance or children as well as teachers to school
- (b) Giving priority benefits to children in private class
- (c) The effectiveness in technological background of children
- (d) Encouraging learning through ICT/ODL and class room

26. What is the essential message in this passage?

- (a) The Right to Education has a a. Fundamental Right.
- (b) The Right to Education makes the children of poor and weaker sections of the society to attend schools.
- (c) The Right to Free and Compulsory Education should ensure quality education for all.
- (d) The Government should ensure that all children attend schools.

27. Consider the following figure shown in Fig. 17.



Two more triangles meet at X above square face.

- (a) 18 (b) 20
- (c) 22 (d) 24

28. Consider the following graph:

$y = 2x + 3$ $y = 3x + 2$

Let the above lines intersect at X.

- (a) 4 (b) 5
- (c) 6 (d) 8

29. Consider the following vertical set of numbers:

8	10	15	12
6	7	7	9
$\frac{4}{5}$	$\frac{3}{4}$	$\frac{8}{10}$	$\frac{2}{5}$

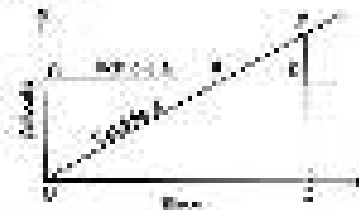
What is the sum of all 7 in the above set?

- (a) 17 (b) 19
- (c) 21 (d) 23

11. The graph alongside can be drawn by joining the vertices of an octagon?

(A) 20 (B) 24
(C) 28 (D) 32

12. The figure shown below gives the velocity graphs at two velocities A and B. The straight line PQ represents the velocity of vehicle A at any instant. Assume the horizontal straight line QRS represents the velocity of vehicle B at any instant. In the figure, A is the square of α and B is the square of β . Assume the horizontal line QRS such that $PQ = \frac{1}{2}QR$.



What is the ratio between the distances covered by vehicles A and B in the time interval PQ?

(A) 1 : 2 (B) 2 : 3
(C) 3 : 4 (D) 1 : 1

13. A train 220 yards long is moving at the rate of 60 miles per hour. It will cross a bridge 2000 ft long standing over the railway track?

(A) 15 (B) 19
(C) 20 (D) 23

Directions for the following 4 questions: Read the following four passages and answer the first four lines. Your answers to these 4 questions should be based on the passages only.

14. Read the following four passages and answer the first four lines. Your answers to these 4 questions should be based on the passages only.

Passage-1

Global population was around 7.5 billion in 2010, with 1.2 billion in Africa and growth. Korea estimates the population growth from the global population of 7.5 billion in 2010 and 10.5 billion in 2050. India's current and 2012 population estimates are 1.2 billion. 60% of population is engaged in agriculture, around 47 per cent of India's population is dependent upon agriculture. India's total contribution to world in the service sector and the manufacturing sector, which is 41 per cent, has increased 200% since India includes 52 million in the world's most populated country, nearly 12 per cent of India's population will be predominantly dependent on agriculture.

15. Which of the following is the most logical and rational inference that can be made from the above passage?

- (A) The growth of agriculture sector is directly proportional to India.
(B) India's economic growth depends on its agriculture.
(C) India's GDP will increase due to growth in agricultural growth.
(D) India's economic contribution will reach 60% to India's manufacturing in service sector over the next few years.

Passage-2

Many politicians have used food for political purposes. They have used food to get votes and to get people to support their policies. Some politicians have used food to get people to support their policies. Some politicians have used food to get people to support their policies. Some politicians have used food to get people to support their policies.

26. Which of the following is the most logical conclusion to the above passage?

- (A) Food is important to the health of all humans.
- (B) We should depend on food for our survival.
- (C) Distribution of food resources should be controlled.

Passage-3

Food is essential for life. It provides energy and nutrients for the body. Without food, the body cannot function. Food is also important for the health of the body. It helps to prevent disease and keep the body strong. Food is also important for the health of the mind. It helps to improve memory and concentration. Food is also important for the health of the soul. It helps to bring peace and happiness to the heart.

27. Which of the following is the most logical conclusion to the above passage?

- (A) Food is essential for life.
- (B) We should depend on food for our survival.
- (C) Distribution of food resources should be controlled.
- (D) Food is important for the health of the body, mind, and soul.

Passage-4

Food is essential for life. It provides energy and nutrients for the body. Without food, the body cannot function. Food is also important for the health of the body. It helps to prevent disease and keep the body strong. Food is also important for the health of the mind. It helps to improve memory and concentration. Food is also important for the health of the soul. It helps to bring peace and happiness to the heart.

- (A) Food is essential for life.
- (B) We should depend on food for our survival.
- (C) Distribution of food resources should be controlled.
- (D) Food is important for the health of the body, mind, and soul.