



**JINDAL SCHOOL OF
ART & ARCHITECTURE**
India's First Interdisciplinary School of Built Environment

Jindal Creative Aptitude Test (JCAT) **Sample Question Paper – 2021**

Important Points:

- Please ensure you are writing this test for the admission into B. Des and BA (Hons.) program offered by Jindal School of Art & Architecture (JSAA) of OP Jindal Global (Institution of Eminence Deemed to be) University.
- This paper contains 42 questions in 4 sections
- Total marks 100
- The Duration of this test is 2 hours
- All questions are to be attempted.
- Marks for each section are listed next to it.
- Each question carries a specific set of instructions. Please read the instructions carefully before answering the question.
- Follow the online JCAT exam policy to avoid disqualification.

Section 1- Verbal & Quantitative

Total Marks-20

Questions 1 to 6 (Analytical Reasoning)

Q1. There are five friends – Mahesh, Krish, Ram, Sid and Baldev - who are standing besides each other in a straight line. Ram is standing to the right of Sid. Mahesh and Krish are standing on either side of Ram. There are two persons in between Krish and Baldev. Who is standing on the extreme left?

- A. Sid
- B. Krish
- C. Mahesh
- D. Baldev

Answer: _____

Q2. A four member team from Rang Sandesh is painting Mr. Ghosla's house. Mahesh is painting the front of the house. Ramesh is in the alley behind the house painting the back. Suresh is painting the window frames on the north side, Kamlesh is on the south. If Mahesh switches places with Suresh, and Suresh then switches places with Kamlesh, where is Kamlesh?

- A. In the alley behind the house
- B. On the north side of the house
- C. In front of the house
- D. On the south side of the house

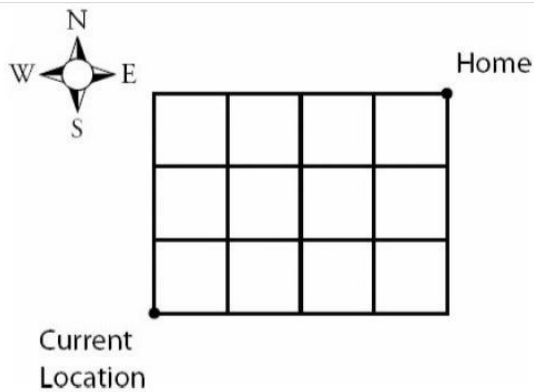
Answer: _____

Q3. Suma was facing south. She turns right and walks to 10m. Then she turns right again and walks 10m. Then she turns right again and walks 6m. In which direction is he from the starting point?

- A. North
- B. North-West
- C. North-East
- D. West
- E. South

Answer: _____

Q4. A man walks to his home from his current location on the rectangular grid shown. If he may choose to walk north or east at any corner, but may never move south or west, how many different paths can the man take to get home?



- A. 12
- B. 24
- C. 32
- D. 35
- E. 64

Answer: _____

Q5. Fill in the blank space below to yield a true sentence. In this sentence there are neither more nor less than _____ three-letter words.

- A. 5
- B. 4
- C. 2
- D. 3

Answer: _____

Q. 6 Select the correct option for the following statements:

Lionel is younger than Maria.

Quantity A: Twice Lionel's age Quantity B: Maria's Age

- A. Quantity A is greater.
- B. Quantity B is greater.
- C. The two quantities are equal.
- D. The relationship cannot be determined from the information given.

Answer: _____

Questions 7 to 12 (Quantitative Reasoning)

Q. 7 Anjali cut a cake into 2 halves & cut one half into smaller pieces of equal size. Each of the small pieces is equal to 20 grams in weight. If she has seven pieces in all with her, what is the weight of the original cake?

- F. 120 Gms
- G. 140 Gms
- H. 240 Gms
- I. 280 Gms

Answer: _____

Answer Questions 8 to 10 based on the situation described below:

- I. Six friends A, B, C, D, E and F are sitting along the sides of a hexagonal for playing a game, though not necessarily in the same order.**
- II. F, who is sitting exactly opposite of A, is to the immediate right B.**
- III. D is between A and B and is exactly opposite to C.**

Q. 8 A is sitting between which of the following pairs of persons?

- A. D and E
- B. B and E
- C. E and C
- D. None of these

Answer: _____

Q. 9 Who is sitting opposite B?

- A. E
- B. F
- C. A
- D. C

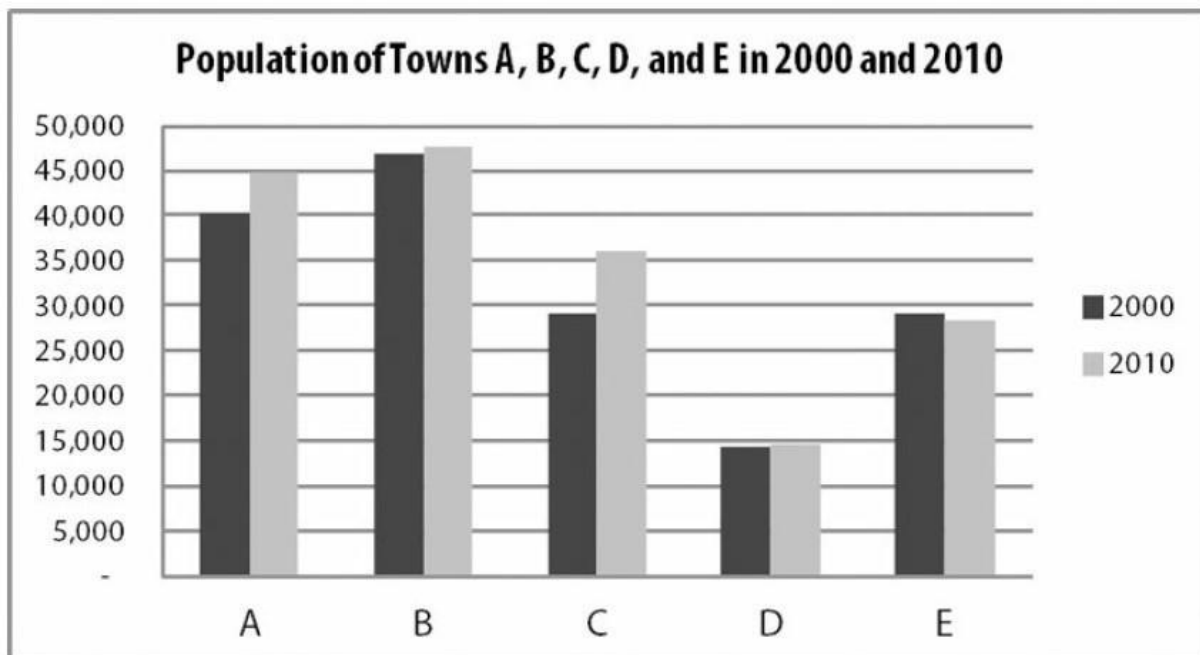
Answer: _____

Q. 10 Three of the following are alike in a certain way on the basis of sitting positions and so form a group. Which is the one that does not belong to the group?

- A. B, C
- B. A, D
- C. B, F
- D. E, A

Answer: _____

Please answer questions 11 and 12 based on the graph below:



Q. 11 In what town did the population increase by the greatest percent between 2000 and 2010?

- A. Town A
- B. Town B
- C. Town C
- D. Town D
- E. Town E

Answer: _____

Q. 12 The ratio of the population of one town to the population of another remained most unchanged between 2000 and 2010 for which two towns?

Indicate two such towns.

- A. Town A
- B. Town B
- C. Town C
- D. Town D
- E. Town E

Answer: _____ & _____

Questions 13 to 20 (Verbal Reasoning)

Q. 13 Select the two answer choices that, when used to complete the sentence, fit the meaning of the sentence as a whole and produce complete sentences that are alike in meaning. Though the majority of rules in sports are physically described in rulebooks, there is a _____ code of conduct that relates to sportsmanship.

- A. Tacit
- B. Evanescent
- C. Incurable
- D. Unambiguous
- E. Blatant
- F. implicit

Answer: _____ & _____

Q. 14 Fill the blank in the way that best completes the text.

Early studies often concluded that the public was _____ the propagandistic influence of mass communications, but one recent study indicates that, on the contrary, mass communications seldom produce marked changes in social attitudes or actions.

- G. unaware of
- H. scornful of
- I. susceptible to
- J. unimpressed by
- K. coping with

Answer: _____

For each blank select one entry from the corresponding choices. Fill all blanks in the way that best completes the text.

It is refreshing to read a book about our planet by an author who does not allow facts to be (i)_____ by politics: well aware of the political disputes about the effects of human activities on climate and biodiversity, this author does not permit them to (ii)_____ his comprehensive description of what we know about our biosphere. He emphasizes the enormous gaps in our knowledge, the sparseness of our observations, and the iii) _____, calling attention to the many aspects of planetary evolution that must be better understood before we can accurately diagnose the condition of our planet.

Q. 15 Blank (i)

- A. overshadowed
- B. invalidated
- C. illuminated

Answer: _____

Q. 16 Blank (ii)

- D. enhance
- E. obscure
- F. underscore

Answer: _____

Q. 17 Blank (iii)

- G. plausibility of our hypotheses
- H. certainty of our entitlement
- I. superficiality of our theories

Answer: _____

For each blank select one entry from the corresponding choices. Fill all blanks in the way that best completes the text.

The company's efforts to improve safety were apparently (i) _____, at least according to the company's own data, which showed that the (ii) _____ incidents with the potential to cause a serious accident declined significantly. Nevertheless, independent analysts argue that those statistics are (iii) _____. These analysts maintain that the company has consistently underestimated both the probability and the likely effects of accidents in the sensitive and poorly understood environment in which the company is operating.

Q. 18 Blank (i)

- A. innovative
- B. successful
- C. frustrated

Answer: _____

Q. 19 Blank (ii)

- D. frequency of
- E. impediments to
- F. attention to

Answer: _____

Q. 20 Blank (iii)

- G. deceptive
- H. testable
- I. consistent

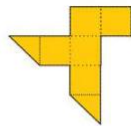
Answer: _____

Section 2- Visual Reasoning

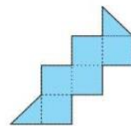
Total Marks-25

Q21. Each of the six shapes shown besides the cube in the illustration consists of five squares and two triangles. Some of these shapes can supposedly be folded into a 1x1x1 cube, while others can not.

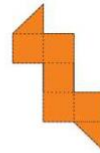
Can you figure out which of the shapes can be folded into the cube, keeping in mind that only the folds along the dotted lines are allowed?



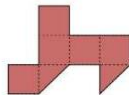
A



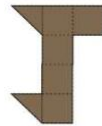
B



C



D



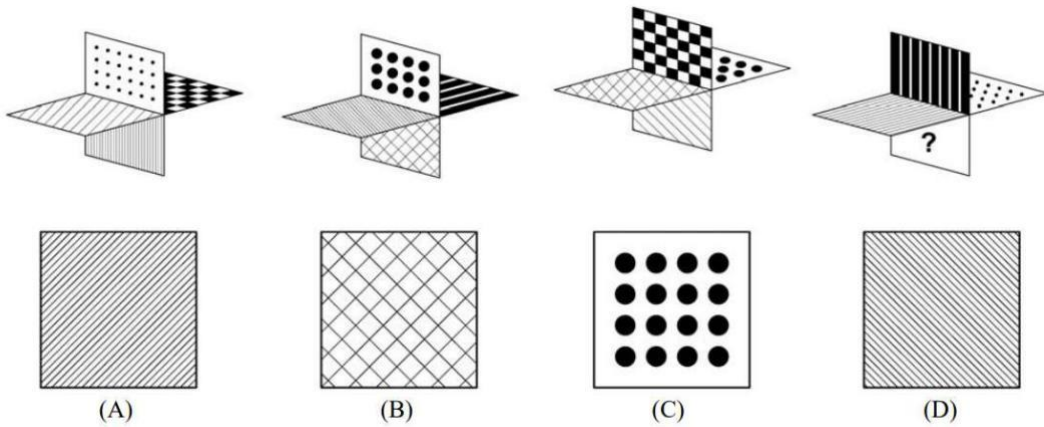
E



F

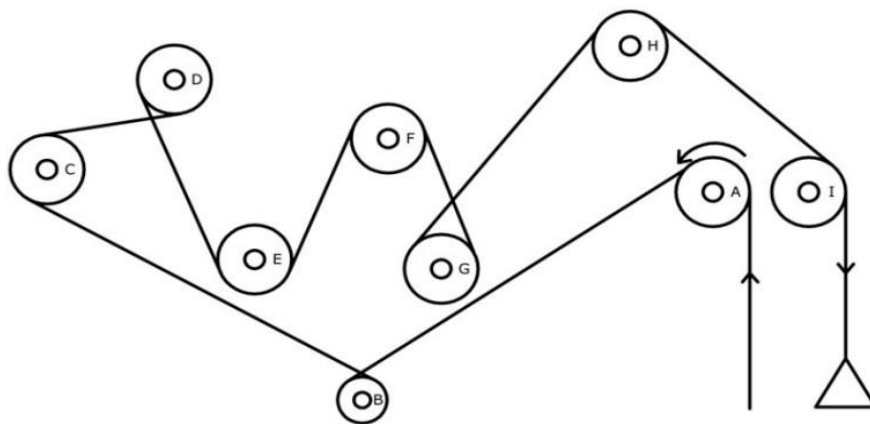
Your answer	
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Q22. In the object given below, four different orientations are shown. Identify the pattern on the face with the “question mark(?)”.



Your answer	
--------------------	--

Q23. Shown is a belt and pulley arrangement. How many pulleys are rotating clockwise?



Your answer	
--------------------	--

Q24. Which box is the next in sequence?

<p>1. A</p> <p>2. B</p> <p>3. C</p> <p>4. D</p> <p>5. E</p>	

Answer: _____

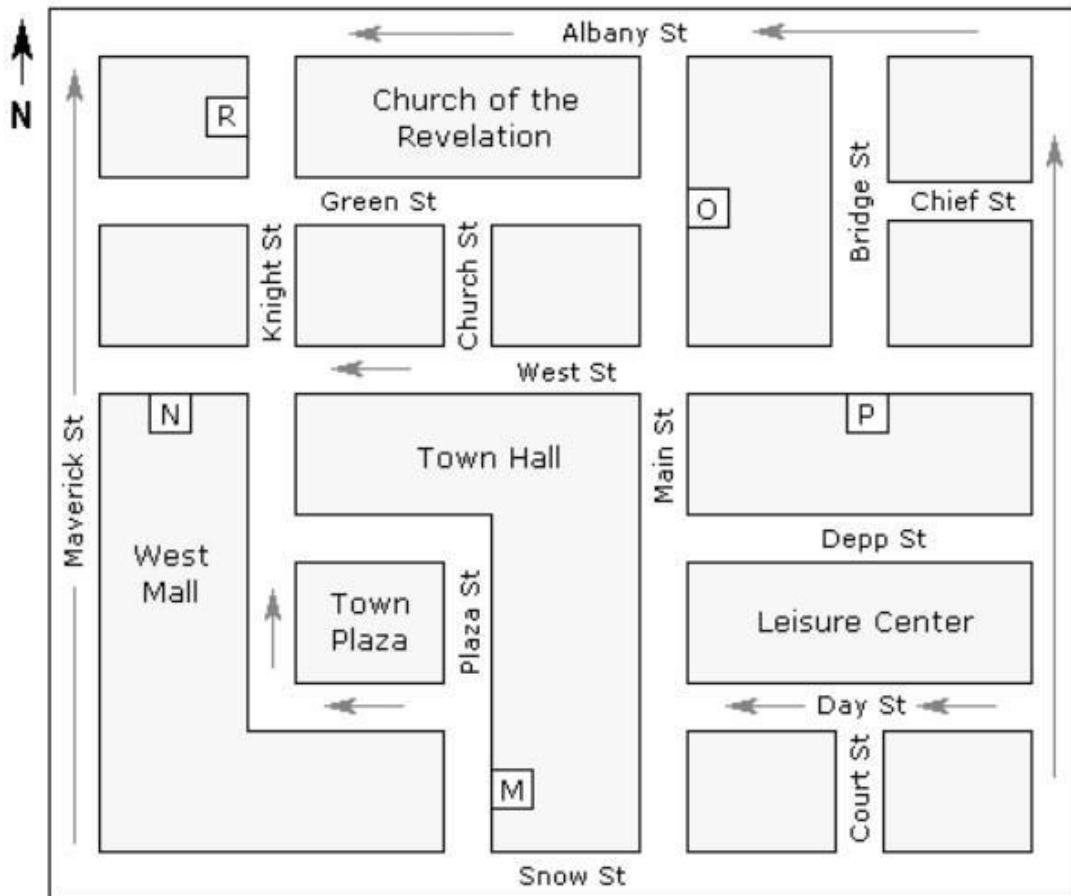
Q25. Which box is the next in sequence?

- 1. **A**
- 2. **B**
- 3. **C**
- 4. **D**

A	B	C	D

Answer: _____

Q26. Read the figure and answer the following questions.



I) Officer Wilkinson is in Depp St and can see the Town Hall to her right. What direction is she facing?

- A. North
- B. South
- C. East
- D. West

Answer: _____

II) She turns and walks to the junction with Main St. She turns left and proceeds two blocks before turning right, then takes the next right and walks half a block. Which location is nearest to her current position?

- A. M
- B. N
- C. R
- D. P

Answer: _____

III) Officer Garcia starts from location 'N' and proceeds as follows: right onto West St – heading East, fourth left – heading North, first right – heading East, first right – heading South, third right – heading West. He proceeds West for one block. Where is location 'P' in relation to his current position?

- A. North
- B. South East
- C. North East
- D. North West

Answer: _____

Q27. Which is true for the figures shown, moving from left to right? ('Area' and 'Perimeter' refer to the total area and perimeter of the black shapes in each figure)?

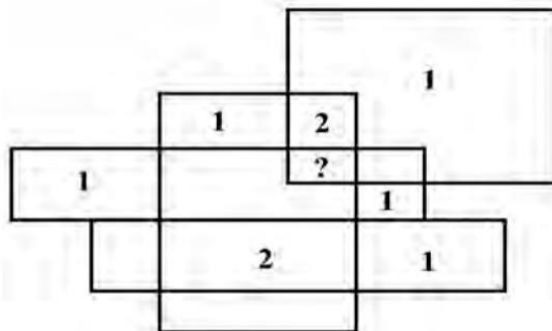


- (A) Area increases and perimeter increases
- (B) Area decreases and perimeter increases
- (C) Area increases and Perimeter decreases
- (D) Area decreases and Perimeter decreases

Answer: _____

Q28. Can you uncover the logic used to place each of the numbers below? If so, what number should be placed at the question mark?

- A. 1
- B. 2
- C. 3
- D. 4

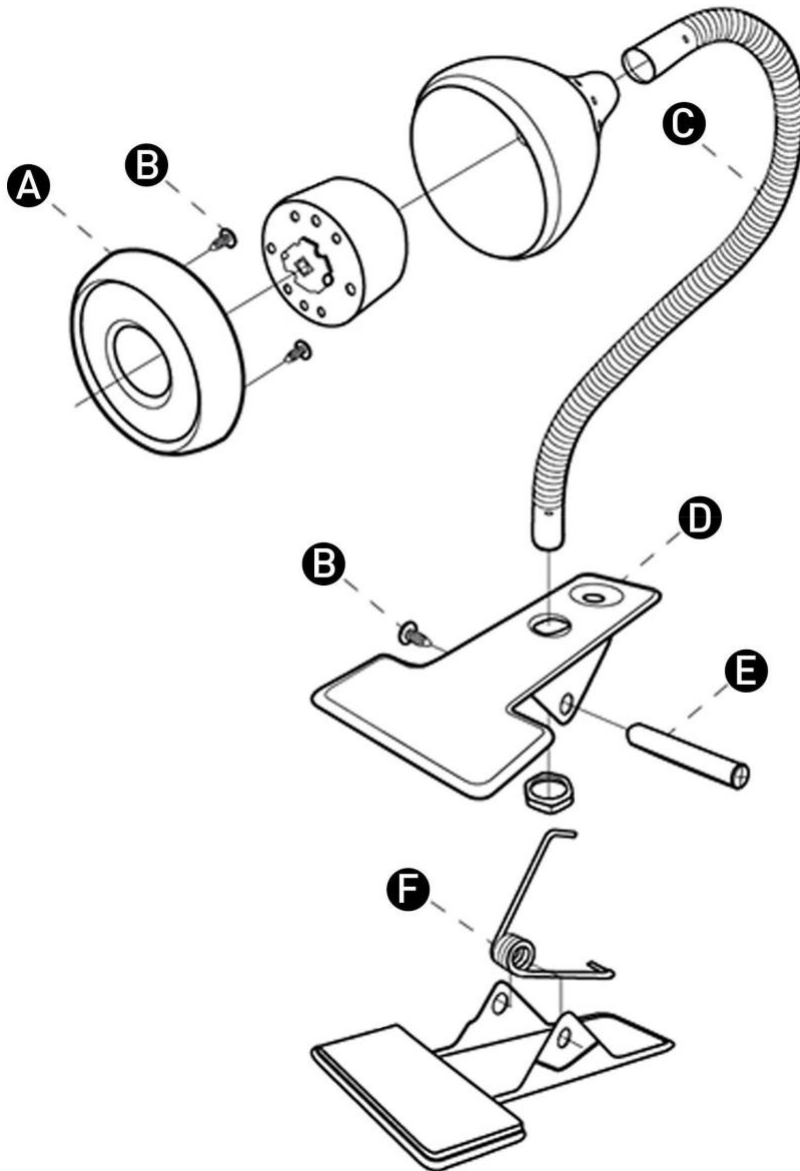


Answer: _____

Section 3- Making & Materiality

Total Marks-30

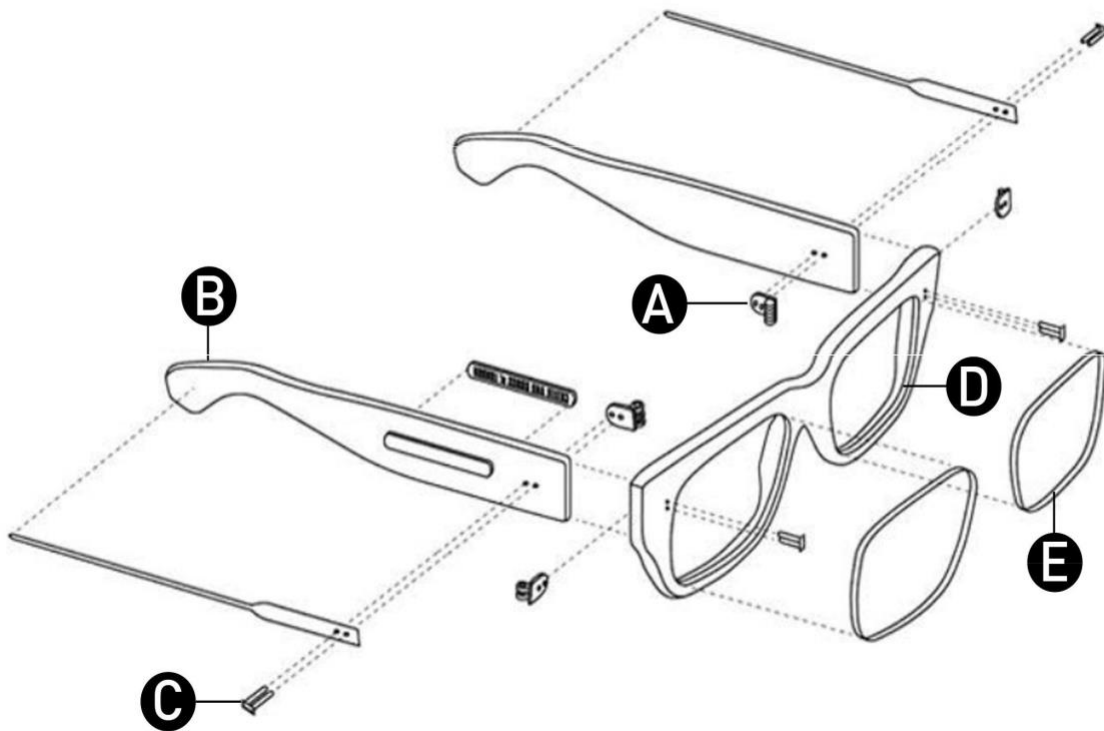
Q29. Given below is an exploded diagram of an everyday object. Some parts of this object have been tagged alphabetically. Identify each of these tagged parts, the material it is made of and the function that it serves in the entire object.



Answer:

Label	Name of the Part	Material	Function
A			
B			
C			
D			
E			
F			

Q30. Given below is an exploded diagram of an everyday object. Some parts of this object have been tagged alphabetically. Identify each of these tagged parts, the material it is made of and the function that it serves in the entire object.



Answer:

Label	Name of the Part	Material	Function
A			
B			
C			
D			
E			

Section 4- Interpretative Reasoning

Total Marks-25

Read the following passage carefully and answer the following questions attached.

Passage 1:

This passage is adapted from William Maxwell, *The Folded Leaf*.

The Alcazar Restaurant was on Sheridan Road near Devon Avenue. It was long and narrow, with tables for two along the walls and tables for four down the middle. The decoration was art moderne, except for the series of murals depicting the four seasons, and the sick ferns in the front window. Lymie sat down at the second table from the cash register, and ordered his dinner. The history book, which he propped against the catsup and the glass sugar bowl, had been used by others before him. Blank pages front and back were filled in with maps, drawings, dates, comic cartoons, and organs of the body; also with names and messages no longer clear and never absolutely legible. On nearly every other page there was some marginal notation, either in ink or in very hard pencil. And unless someone had upset a glass of water, the marks on page 177 were from tears.

While Lymie read about the Peace of Paris, signed on the thirtieth of May, 1814, between France and the Allied powers, his right hand managed again and again to bring food up to his mouth. Sometimes he chewed, sometimes he swallowed whole the food that he had no idea he was eating. The Congress of Vienna met, with some allowance for delays, early in November of the same year, and all the powers engaged in the war on either side sent plenipotentiaries. It was by far the most splendid and important assembly ever convoked to discuss and determine the affairs of Europe. The Emperor of Russia, the King of Prussia, the Kings of Bavaria, Denmark, and Wurttemberg, all were present in person at the court of the Emperor Francis I in the Austrian capital. When Lymie put down his fork and began to count them off, one by one, on the fingers of his left hand, the waitress, whose name was Irma, thought he was through eating and tried to take his plate away. He stopped her. Prince Metternich (his right thumb) presided over the Congress, and Prince Talleyrand (the index finger) represented France.

A party of four, two men and two women, came into the restaurant, all talking at once, and took possession of the center table nearest Lymie. The women had shingled hair and short tight skirts which exposed the underside of their knees when they sat down. One of the women had the face of a young boy but disguised by one trick or another (rouge, lipstick, powder, wet bangs plastered against the high forehead, and a pair of long pendant earrings) to look like a woman of thirty-five, which as a matter of fact she was. The men were older. They laughed more than there seemed any occasion for, while they were deciding between soup and shrimp cocktail, and their laughter was too loud. But it was the women's voices, the terrible not quite sober pitch of the women's voices which caused Lymie to skim over two whole pages without knowing what was on them. Fortunately, he realized this and went back. Otherwise he might never have known about the secret treaty concluded between England, France, and Austria, when the pretensions of Prussia and Russia, acting in concert, seemed to threaten a renewal of the attack. The results of the Congress were stated clearly at the bottom of page 67 and at the top of page 68, but before Lymie got halfway through them, a coat that he recognized as his father's was hung on the hook next to his chair. Lymie closed the book and said, "I didn't think you were coming."

Time is probably no more unkind to sporting characters than it is to other people, but physical decay unsustained by respectability is somehow more noticeable. Mr. Peters' hair was turning gray and his scalp showed through on top. He had lost weight also; he no longer filled out his clothes the way he used to. His color was poor, and the flower had disappeared from his buttonhole. In its place was an American Legion button.

Apparently he himself was not aware that there had been any change. He straightened his tie self-consciously and when Irma handed him a menu, he gestured with it so that the two women at the next table would notice the diamond ring on the fourth finger of his right hand. Both of these things, and also the fact that his hands showed signs of the manicurist, one can blame on the young man who had his picture taken with a derby hat on the back of his head, and also sitting with a girl in the curve of the moon. The young man had never for one second deserted Mr. Peters. He was always there, tugging at Mr. Peters' elbow, making him do things that were not becoming in a man of forty-five.

Q 31. Over the course of the passage, the primary focus shifts from

- A. Lymie's inner thoughts to observations made by the other characters.
- B. an exchange between strangers to a satisfying personal relationship.
- C. the physical setting of the scene to the different characters' personality traits.
- D. Lymie's experience reading a book to descriptions of people in the restaurant

Answer: _____

Q 32. The main purpose of the first paragraph is to

- A. introduce the passage's main character by showing his nightly habits.
- B. indicate the date the passage takes place by presenting period details.
- C. convey the passage's setting by describing a place and an object.
- D. foreshadow an event that is described in detail later in the passage.

Answer: _____

Q 33. It can reasonably be inferred that Irma, the waitress, thinks Lymie is "through eating" because

- A. he has begun reading his book.
- B. his plate is empty.
- C. he is no longer holding his fork.
- D. he has asked her to clear the table.

Answer: _____

Q 34. The main idea of the last paragraph is that Mr. Peters

- A. neglects to spend any time with his family members.
- B. behaves as if he is a younger version of himself.
- C. is very conscious of symbols of wealth and power.
- D. is preoccupied with the knowledge that he is growing old.

Answer: _____

Q 35. The primary impression created by the narrator's description of Mr. Peters is that he is

- A. healthy and fit.
- B. angry and menacing.
- C. nervous and hesitant.
- D. aging and shriveled.

Answer: _____

Passage 2:

The window offered a view of the house opposite. The two families did not speak to each other because of a property dispute. One day, Ruchira's textbooks lay untouched as the young girl's gaze was on the happenings in the house opposite. There were two new faces in the neighbouring household – that of an elderly widow and a girl's aged sixteen. Some times the elderly lady would sit by the window, doing the young girl's hair. On other days she was absent.

The new young neighbour's daily routine could be seen through the window – she cleaned the rice paddy; split nuts, put the cushions in the sun to air them. In the afternoons while the men were all at work some of the women slept and others played cards. The girl sat on the terrace and read. Sometimes she wrote. One day there was hindrance. She was writing when the elderly woman snatched the unfinished letter from her hands. Thereafter the girl was not to be seen on the terrace. Sometimes during the day sounds came from the house indicating that a massive argument was going on inside. A few days passed. One evening Ruchira noticed the girl standing on the terrace in tears. The evening prayer was in progress. As she did daily, the girl bowed several times in prayer. Then she went downstairs.

That night Ruchira wrote a letter. She went out and posted it that very instant. But as she lay in bed that night, she prayed fervently that her offer of friendship wouldn't reach its destination. Ruchira then left for Madhupur and returned when it was time for college to start. She found the house opposite in darkness, locked. They had left. When she stepped into her room she found the desk piled with letters – one had a local stamp on it with her name and address in unfamiliar handwriting. She quickly read it. They continued to write to each other for the next twenty years.

Q36. Why did Ruchira write a letter to her new neighbour?

- A. She wanted to offer her, her help.
- B. She wanted to be friends with her.
- C. To apologize for her family's behaviour towards her family.
- D. To encourage her to continue learning to read and write.
- E. None of these

Answer: _____

Q37. Which of the following can be said about Ruchira?

- A. She used to spy on her neighbours because she didn't trust them.
- B. She was at home because she was studying.
- C. She did not speak to her neighbours because they did not own property.
- D. All of these
- E. None of the above

Answer: _____

Q38. How did the new young neighbour spend her days?

- (a) She was busy writing letters to Ruchira.
- (b) She used to daydream about her past experiences.
- (c) She would attend to the needs of the widow.
- (d) She spent her time learning to read and write.
- (e) None of these

Answer: _____

Q39. Why was the young neighbour prevented from sitting on the terrace?

- A. She used to while away her time instead of working
- B. The old woman could no longer keep an eye on her.
- C. She had not finished writing the letter she was asked to
- D. She had been writing a letter which she wasn't supposed to.
- E. None of these

Answer: _____

Q40. What was the major argument in the house about?

- A. There were too many people living there, which resulted in arguments.
- B. The young girl was insisting on attending college.
- C. The young girl had been wasting her time instead of working.
- D. The old woman did not guard the young girl closely.
- E. None of these

Answer: _____

Q41. Which of the following is TRUE in the context of the passage?

- A. The young girl was very devout and prayed everyday.
- B. Only two letters were exchanged between the two girls.
- C. The new young neighbour was a servant.
- D. The afternoon was a time to relax for everyone.
- E. None of these

Answer: _____

Q42. Why did the young girl wish that the letter would not reach its destination?

- (a) She was going away and would not be able to see if her neighbour was glad to receive it.
- (b) She was afraid that it would lead to a quarrel between the two families.
- (c) She was afraid that her neighbour would be angry when she received her letter.

- A. None
- B. Only (1)
- C. Only (3)
- D. Both (2) & (3)
- E. All of these

Answer: _____

ANSWER KEY

SECTION 1

- Q.1:A
- Q.2:C
- Q.3:B
- Q.4:D
- Q.5:C
- Q.6:D
- Q.7:C
- Q.8:A
- Q.9:A
- Q. 10: A
- Q. 11: C
- Q. 12: B and D
- Q. 13: A and F
- Q. 14: C
- Q. 15: A
- Q. 16: E
- Q. 17: I
- Q. 18: B
- Q. 19: D
- Q. 20: G

SECTION 2

- Q. 21: A, B, D
- Q. 22: D
- Q.23:5(C,F,G,H&I)
- Q. 24: A
- Q. 25: B
- Q. 26: B, A, A
- Q. 27: B
- Q. 28: C

SECTION 3

Q29.

- A. Lamp Head, Aluminium, Secures the bulb inside the lamp without the risk of electrical conduction.
- B. Screw, Steel, Helps in the assembly of the lamp head.
- C. Gooseneck, Malleable Plastic or Metal, provides flexibility of movement without breaking the connection.

- D. Clamp, Aluminium, Helps secure the lamp on a fixed position on the table or any other horizontal/ vertical surface.
- E. Book binding screw/ Screw, Steel, Holds the bottom and top parts of the clamp and the spring in place.
- F. Spring, Steel, Used to exert tension on the clamps in order to secure them in place.

Q30.

- A. Hinge, Steel, Helps the earpieces open or close (fold or unfold).
- B. Earpiece, Plastic, Supports the object on the ears of the user.
- C. Bolts, Steel, Hold the frame and hinges in place.
- D. Groove/ Frame, Plastic, Holds the lens in place.
- E. Lens, Plastic/ Polycarbonate, Adds or subtracts focusing power to the eye's cornea/ helps the user see.

SECTION 4

- Q31. D
- Q32. C
- Q33. C
- Q34. B
- Q35. D
- Q36. B
- Q37. B
- Q38. D
- Q39. B
- Q40. C
- Q41. A
- Q42. B