राष्ट्रीय डिज़ाइन संस्थान
NATIONAL INSTITUTE OF DESIGN

NID M.DES 2016 Original Paper Solved From

BOOKLET CODE 18 **(PART I) QUESTION BOOKLET SERIES** A

Please fill in your Roll No. | | | | | | | | | |

NOTE : Confirm that the 1st and 2nd digits of your Roll No. are 1 8 . If not, bring it to the notice of the invigilator.

Part	Pattern	Question Nos.	Marks per Question	Marking of Answers	Test Duration
I	Objective Type – Multiple Choice Questions	1 to 44	0.5	Answers of these questions are to be marked only on the OMR Answer Sheet which is provided separately, using Black ballpoint pen.	3 hours
		45 to 62	1.0		
		63 to 69	2.0		
		70 to 81	0.75		
		82 to 83	1.5		
		84 to 88	0.8		
II	Subjective Type	89 to 91	10.0	Answers of these questions are to be given in the space provided below each question on the Question-cum-Answer Booklet only.	

INSTRUCTIONS FOR CANDIDATES

1. **Please do not open this Question Booklet (Part I) until asked to do so.**
2. Fill up the necessary information in the space provided on the cover of this Question Booklet (Part I), OMR Answer Sheet and Question-cum-Answer Booklet Part II before commencement of the test.
3. The total duration of this test (Part I & Part II) is 3 hours. There are 88 questions in Part I and 3 questions in Part II.
4. **The Test (Part I & Part II) is of total 100 marks.**
5. **There is No Negative Marking.**
6. You may attempt the questions in any order you prefer.
7. Please check for the completeness of the Question Booklet (Part I) & Question-cum-Answer booklet (Part II) immediately after opening.
8. **Q.Nos.1 to 88 are objective type questions and answers of these objective type questions are to be marked on OMR Answer sheet provided separately.**

8.1. Each question has four options marked (A) (B) (C) and (D).

8.2. Choose the correct option and darken the circle completely with a BLACK PEN ONLY against the relevant question number.

8.3. Use only **Black Pen** to darken the circle for answering.

8.4. Do not darken more than one circle against any question. No marks will be given for such responses.

9. Rough work, if any, is to be done on the Question Booklet only. No separate sheet will be provided/used for rough work.
10. Calculator, Mobile or any Electronic Gadgets, etc., are not permitted inside the examination hall.
11. Candidates seeking, receiving and/or giving assistance during the test will be disqualified.
12. Appropriate civil/criminal proceedings will be instituted against the candidates taking or attempting to take this Question Booklet or part of it outside the examination hall.
13. The right to exclude any question(s) from final evaluation rests with the testing authority.

QUESTION BOOKLET (PART I), OMR ANSWER SHEET AND QUESTION-CUM-ANSWER BOOKLET (PART II) ARE TO BE RETURNED ON COMPLETION OF THE TEST.

PART-I. Questions 1 to 88 are multiple choice questions. The answers should be marked in the OMR answer sheet provided separately. Do not write your name anywhere in the booklet. This may lead to disqualification.

Question numbers 1 to 44 carry 0.5 marks each. Please read the questions carefully and select your response from the options provided.

Q1. With reference to your current location, identify the city, which is located most eastward?
(A) Singapore (B) Hongkong (C) Manila (D) Jakarta

Q2. Which Indian sportsperson attained world rank number one (Singles title) in 2015?
(A) Saina Nehwal (B) Sania Mirza
(C) Jwala Gutta (D) Ashwini Ponappa

Q3. What is the full form of EMI?
(A) Equated Monthly Installments (B) Equal Money Installment
(C) Equal Monthly Investments (D) Equated Money Investments

Q4. If a human figure is standing in front of a full length rectangular concave mirror, how will her/his reflection look like?
(A) Taller and thinner (B) Shorter and fatter
(C) Taller and fatter (D) Shorter and thinner

Q5. Name the states of the folk art forms below in their respective order:



I Madhubani



II Warli

(A) Tamilnadu and Telangana respectively (B) Bihar and Maharashtra respectively
(C) Orissa and Gujarat respectively (D) Kerala and Karnataka respectively

Q6. Which of the following does the term Corporate Social Responsibility (CSR) relate to?
(A) Ethical conduct (B) Environmental practices
(C) Human rights & employees (D) All these

Q7. Refugees from which country migrated to Europe en masse in 2015?
(A) Serbia (B) Libya (C) Siberia (D) Syria

Q8. *"I believe in going with the flow. I don't believe in fighting against the flow. You ride on your river and you go with the tides and the flow. But it has to be your river, not someone else's. Everyone has their own river, and you don't need to swim, float, sail on theirs, but you need to be in your own river and you need to go with it. And I don't believe in fighting the wind. You go and you fly with your wind. Let everyone else catch their own gusts of wind and let them fly with their own gusts of wind, and you go and fly with yours."*

Which one of the following options best sums up the passage above?

(A) Determination (B) Self-esteem (C) Decision Making (D) Growth

Q9. Who is the creator of Amar Chitra Katha?

(A) Premchand (B) Baba Ram Dev (C) Mohandas Pai (D) Anant Pai

Q10. Which country recycles most of its garbage to produce electricity, and imports garbage from its neighbours?

(A) Sweden (B) Japan (C) Switzerland (D) Canada

Q11. Which of the materials listed below does not have Earth as the source?

(A) Clay (B) Metal (C) Leather (D) Plastic

Q12. *Cartography* is the study and practice of making

(A) Cars. (B) Maps. (C) Artwork. (D) Carts.

Q13. Air pollution can be of

(A) Natural origin. (B) Artificial or man-made origin.

(C) Both A & B. (D) None of these.

Q14. Select the right adjective for the word *RIVER*.

(A) Labyrinthine (B) Wolverine (C) Serpentine (D) Intertwine

Q15. The Jataka Tales are better known works of which literature?

(A) Upanishads (B) Sangam (C) Jaina (D) Buddhist

Q16. The rate of inflation in India is measured generally with respect to movement of

(A) consumer price index. (B) cost of living index of agriculture labour.

(C) wholesale price index. (D) money supply.

Q17. Apart from the light bulb, Thomas Edison is attributed to the invention of

(A) Telegraph. (B) Monograph. (C) Phonograph. (D) Seismograph.

Q18. Which country experienced an earthquake, a tsunami and a nuclear accident in March 2011?

(A) Pakistan (B) China (C) Japan (D) India

Q19. Colours of Coriander and Cabbage fall under which colour schemes?

(A) Split Complementary (B) Analogous

(C) Complementary (D) Harmonious

Q20. Which of the following is considered among the four old world river valley cultures apart from Indus Valley, Egypt, and Yellow River Valley of China?

(A) Mesoamerica (B) Mesopotamia

(C) Andes (D) Byzantium

Q21. When you buy a mobile phone you look for the SAR value of a handset. SAR value is an indicator of Specific Absorption Rate of _____ to which human body is exposed to

(A) Radio Frequency Electrostatic Field

(B) Radio Frequency Electromagnetic Field

(C) Microwave Frequency Bioelectric Field

(D) Radioactive Electromagnetic Field

Q22. Fostering cultural collaboration is one of the objectives of which UN body?

(A) UNICEF (B) UNIDO (C) UNESCO (D) UNO

Q23. Which astronomer first claimed that the earth, the moon and the other planets revolved around the sun?

(A) Galileo Galilei (B) Nicolaus Copernicus

(C) Ptolemy (D) Isaac Newton

Q24. The following picture depicts

(A) remote crawler

(B) hilly-biller space-walker.

(C) stark lemon squeezer.

(D) voyager 12.



Q25. The following drawing is the inside view of the Basilica of St. Maria Maggiore by Giovanni Batista Piranesi (1768). It is an example of



(A) 2 point perspective drawing.
(B) 3 point perspective drawing.
(C) 1 point perspective drawing.
(D) None of these

Q26. Which shape will match the cross section of a Ladyfinger (vegetable)?
(A) Octagon (B) Hexagon (C) Pentagon (D) Septagon

Q27. Select the odd one out:
(A) Bimal Roy, Mrinal Sen, Satyajit Ray
(B) Ravindranath Tagore, Mahatma Gandhi, Bal Gangadhar Tilak
(C) Manto, Chugtai, Gulzar
(D) Shabana Azmi, Prasoon Joshi, Sayeed Jaffery

Q28. What is the colour of a Black Box of a commercial aircraft?
(A) Black (B) Green (C) Pink (D) Orange

Q29. The symbol© stands for
(A) Rights of Control.
(B) Registered Company Logo.
(C) Copyright.
(D) Contact Information.

Q30. Google doodle pays tribute to which Indian personality in the following image?



(A) Sudhir Tailang (B) Bal Thackeray (C) R K Laxman (D) Neelabh Banerjee

Q31. Among the major processes in making a cloth, *Ginning* is a process of

(A) harvesting ripped cotton bales.
(B) cleaning and opening the cotton bales.
(C) spinning the yarn.
(D) removing the cotton seeds.

Q32. What are the dates 9/11, 26/11 and 13/11 known for?

(A) Earthquakes
(B) Terrorist Attacks
(C) Tsunamis
(D) Deaths of famous personalities

Q33. The Industrial Revolution that took place in Europe around 1750 A.D. began in which of the following countries?

(A) Germany (B) France (C) Italy (D) England

Q34. Who is considered to be the Father of India's Atomic Energy programme?

(A) Raja Ramanna
(B) Homi Bhabha
(C) Vikram Sarabhai
(D) Dr. A P J Abdul Kalam

Q35. The death of which rationalist Kannada writer triggered a spate of protests by the Indian literary, artistic, film making and scientific community in 2015?

(A) Govind Pansare
(B) Channabasam
(C) Narendra Dabholkar
(D) Dr. M.M.Kalburgi

Q36. Which airport in India became fully solar powered in 2015?

(A) Cochin International Airport
(B) Bengaluru International Airport
(C) Chennai International Airport
(D) Hyderabad International Airport

Q37. Which of the following statements is false?

(A) Mahabharata is narrated by Ved Vyas
(B) Valmiki authored Ramacharitmanas
(C) Meghadootam is composed by Kalidasa
(D) Yayati is written by Girish Karnad

Q38. An example of Interactive Voice Response System (IVRS) that is used in our day-to-day life is

(A) The Telephone Enquiry Service.
(B) The Cloud Computing Service.
(C) The Web Server Service.
(D) None of these

Q39. Which of the following is the first silent feature film made in India?

(A) Alam Ara by Ardeshir Irani
(B) Shakuntala by Suchet Singh
(C) Devdas by Naresh Mitra
(D) Raja Harishchandra by Dadasaheb Phalke

Q40. Which is the most abundantly available fossil fuel in India?

(A) Natural Gas (B) Coal (C) Petroleum (D) Biogas

Study the given images below, which are selected parts of known logos/symbols. Based on this, answer questions 41 to 44.



Q41. Identify the image which refers to the company/organization related/associated with finance.

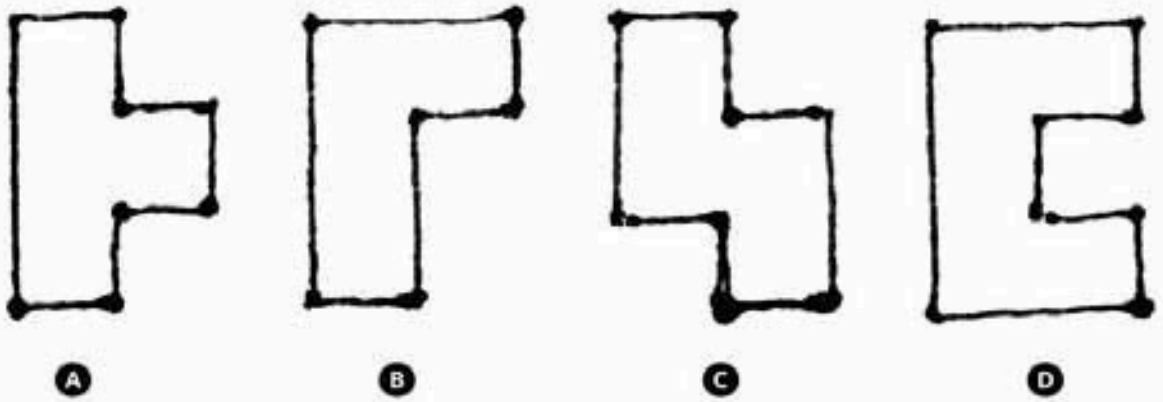
Q42. Identify the image which refers to the company/organization associated with consumer Goods.

Q43. Identify the image which refers to the company/organization associated with surface Décor.

Q44. Identify the image which refers to the company/organization associated with transport.

Question numbers 45 to 62 carry 1.0 marks each. Please read the questions carefully and select your response from the options provided.

Q45. Identify the odd one out:

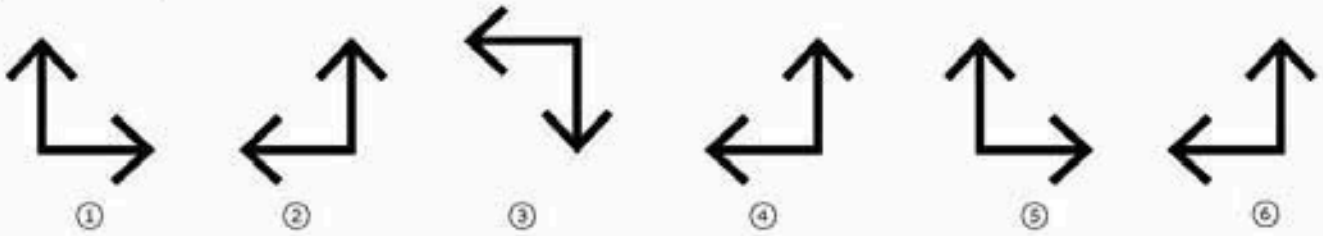


Q46. Identify the sequence of footprints in the images given below:



(A) Rabbit, Fox, Cat, Man
(B) Fox, Rabbit, Cat, Bear
(C) Fox, Bear, Cat, Rabbit
(D) None of these

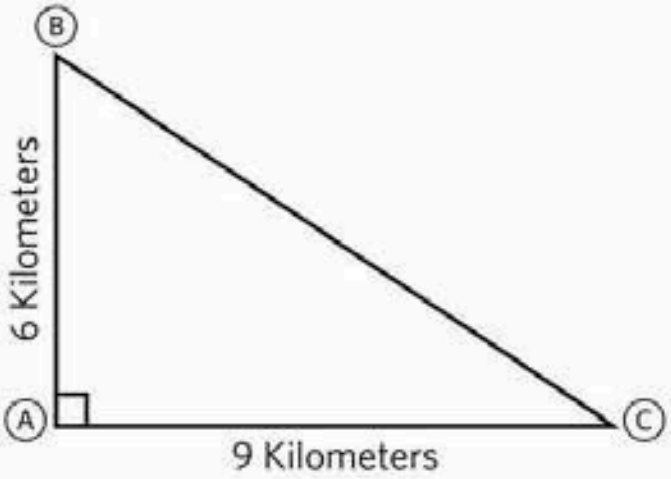
Q47. Identify the odd one out:



(A) 1 (B) 2 (C) 4 (D) 6

Q48. In the figure below, cycling directly from point B to point C, rather than from point B to point A and then from point A to point C, would save approximately how many kilometers?

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

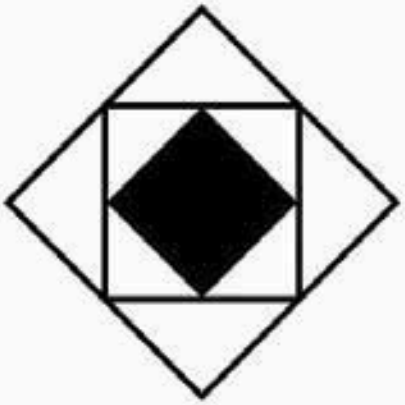


Q49. Select the most appropriate caption that describes the image below:

(A) Leaving the past behind
(B) It's time to catch up
(C) Catch me if you can
(D) Time is running out

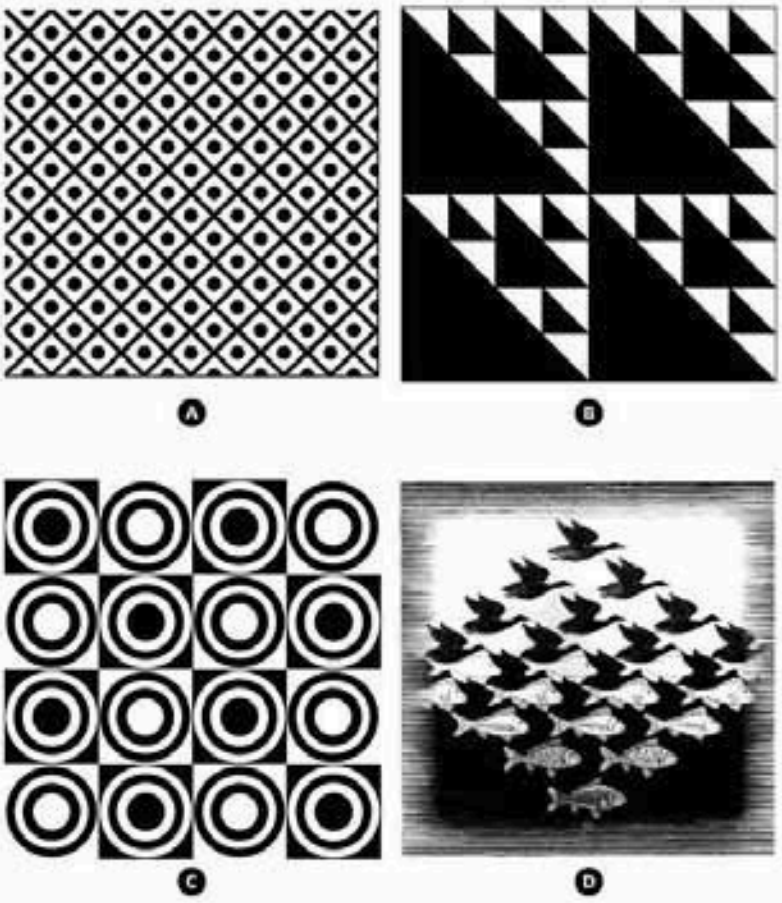


Q50. The figure below shows a square inscribed in a square, which in turn is inscribed in another square. What is the probability that a point selected at random from the interior of the largest figure that will fall within the shaded region?

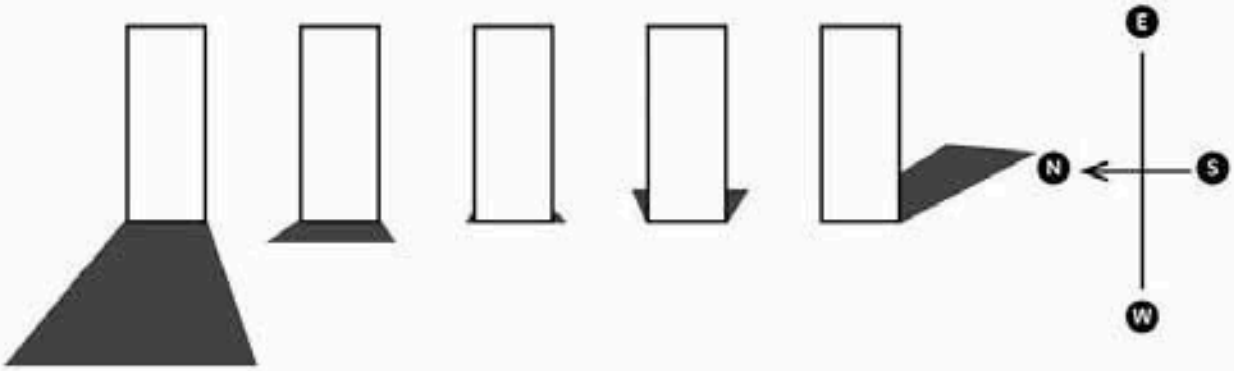


(A) 1/5
(B) 1/4
(C) 1/3
(D) None of these

Q51. Identify the odd one out:

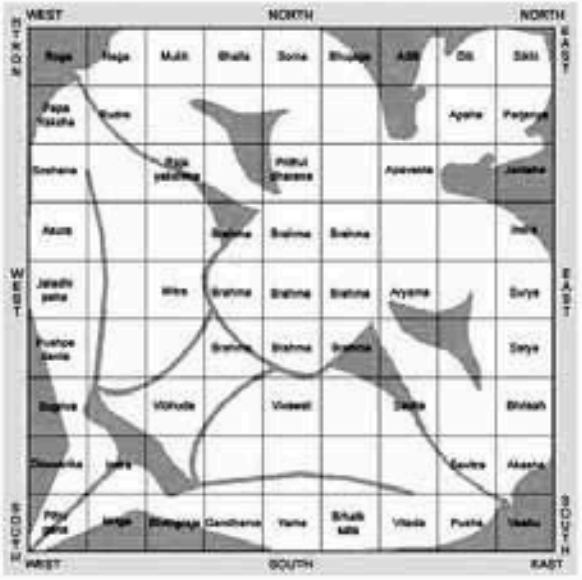


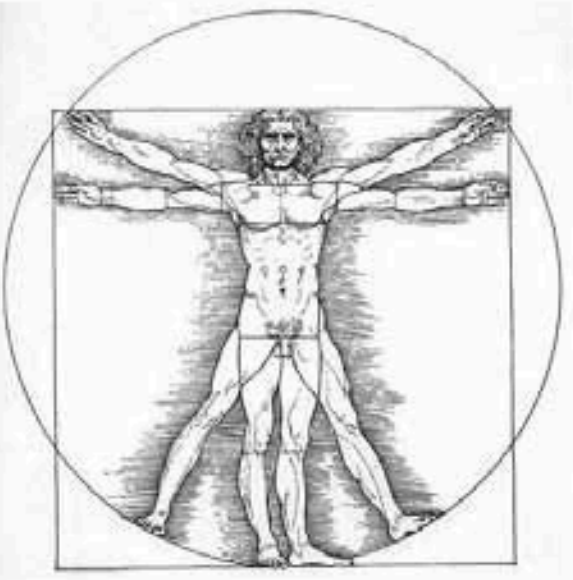
Q52. Study the shadows cast in the image below and identify the right sequence from left to right.



(A) 5 7 2 3 7
(B) 6 12 2 4 6
(C) 4 6 1 5 8
(D) 6 9 12 3 6

Q53. Vaastu-Purusha and Da Vinci's 'Vitruvian Man' are examples of?





(A) Tenets of directions
(B) Tenets of buildings
(C) Tenets of proportion
(D) Tenets of spinning

Q54. These symbols are found on the left hand side of the Indian currency notes of Rs.100/-, Rs.500/- and Rs.50/- respectively. What do they signify?

▲ ● ■

(A) Printing Press code
(B) Decorative motifs
(C) Tactile denotation for the visually impaired
(D) Currency authentication

Q55. Squares of three grey values (M, N and O) are combined to create Figure Y. Squares of which grey value(s) have the maximum combined surface area. The grey values are as follows:

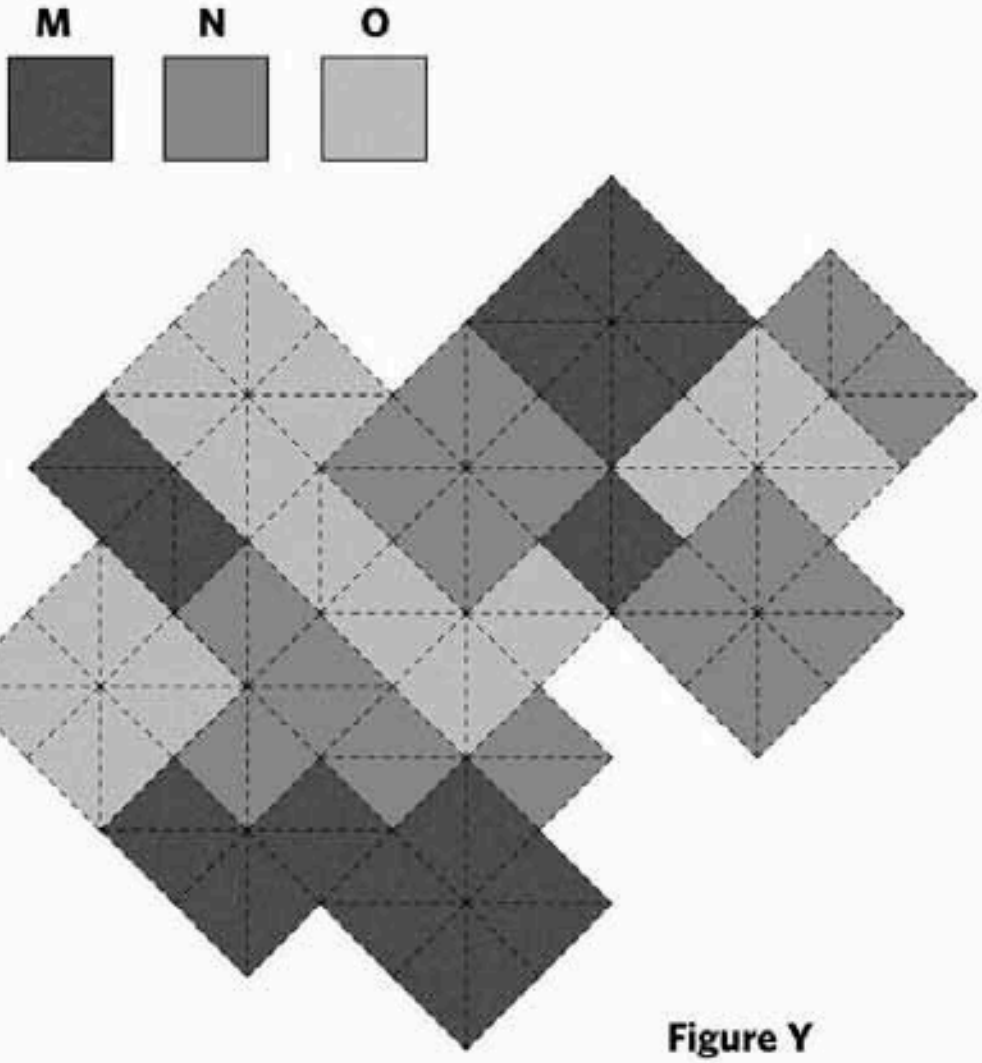


Figure Y

(A) Only M

(B) Only N

(C) Both N and O

(D) Both M and N

Q56. A general assumption says that in storytelling, the main character is driven by two kinds of desires — conscious desires and unconscious desires. Even if the character's conscious desires are met by the end of the story, the story seems to be incomplete if the unconscious desires aren't met. In your opinion which statement comes closest to the idea of unconscious desires?

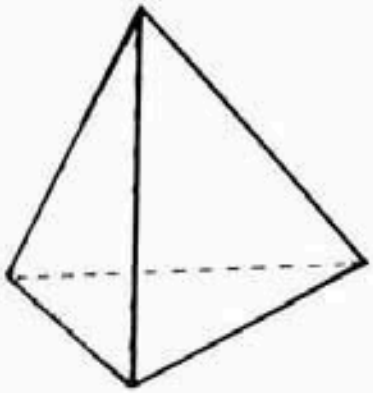
(A) Unconscious desires are the ones that the main character might not be aware about

(B) Unconscious desires are the ones that are more important than the conscious desires

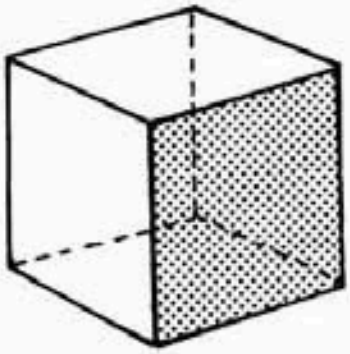
(C) The desires of the main character might change as the story progresses

(D) All these

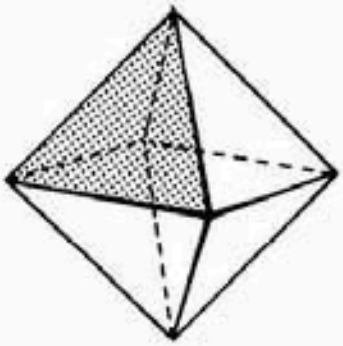
Q57. Images given below are for your reference. How many faces and edges does an Icosahedron have?



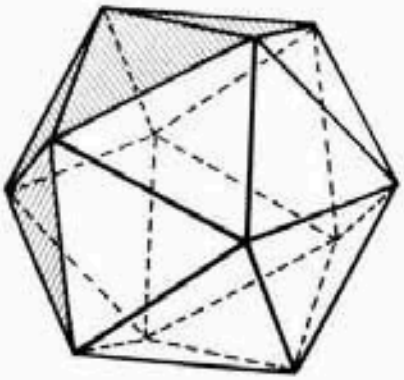
Tetrahedron: 4 faces & 6 edges



Cube: 6 faces & 12 edges



Octahedran: 8 face & 12 edges



(A) 20 faces & 30 edges
(B) 18 faces & 24 edges
(C) 20 faces & 20 edges
(D) 16 faces & 24 edges

Q58. Match the following:

Plastic	Used for making
p) Melamine	1. Electric fillings
q) Teflon	2. Cups & Crockery
r) Bakelite	3. Rain coats
s) PVC	4. Non-stick utensils

(A) p-2, q-1, r-4, s-3
(B) p-2, q-4, r-1, s-3
(C) p-3, q-2, r-1, s-4
(D) p-3, q-1, r-2, s-4

Q59. Mrs. Gurpreet Kaur took a taxi to meet her three friends for lunch. They were waiting for her outside the restaurant when she pulled up in the car. She was so excited to see her friends that she left her handbag in the taxi. As the taxi pulled away, she and her friends took notice of the number plate so they would be able to identify the car when they called the taxi company.

The four women seem to agree that the number plate begins with the letters GJ.

Three of them seem to agree that the number plate ends with the numbers 123.

Three of them seem to think that the 3rd letter is X. Three of them think that the 4th letter is K.

The four license plate numbers below represent what each of the four women think and saw. Which one is most likely the license plate number of the taxi?

(A) GJXY123
(B) GJYK123
(C) GJXK123
(D) GJXX123

Q60. A gardener plants flowers in the following sequence Carnations, Marigold, Daffodils, Jasmine and Tiger Lilies. If the gardener planted 48 flowers, which flower did he plant last?

(A) Carnation (B) Marigold (C) Daffodils (D) Tiger Lily

Q61. *"The animals themselves are incapable of demanding their own liberation, or of protesting against their condition with votes, demonstrations or bombs. Human beings have the power to continue to oppress other species forever, or until we make this planet unsuitable for living beings. Will our tyranny continue proving that we really are the selfish tyrants that the most cynical of poets and philosophers have always said we are? Or will we rise to the challenge and prove our capacity for genuine altruism by ending our ruthless exploitation of the species in our power, not because we recognize that our position is morally indefensible? The way in which we answer this question depends on the way in which each one of us, individually, answers it".*

In your opinion, which word best summarizes the passage above?

(A) Cynicism (B) Animal rights

(C) Civilisation (D) Ethics and moral philosophy

Q62. A person sitting in an open car moving at constant velocity throws a ball vertically upwards in the air. If the effect of air resistance is neglected, the ball will fall

(A) exactly in hands of the person. (B) outside the car.

(C) in the car behind the person. (D) in the car ahead of the person.

Question numbers 63 to 69 carry 2 marks each. Please read the questions carefully and select your response from the options provided.

Q63. How many square tiles, each with a perimeter of 64 inches, must be used to completely cover a bathroom floor with a width of 64 inches and a length of 128 inches?

(A) 32 tiles (B) 48 tiles (C) 64 tiles (D) 96 tiles

Q64. What is the common word that can be used together with all of the following words?

Chocolate, Truth, Squash

(A) Edible (B) Brown (C) Bitter (D) None of these

Q65. Select the right sequence of language in which the word Design is written below:

DESIGN ವಿನ್ಯಾಸ ડિઝાઇન வடிவமைப்பு ਡਿਜ਼ਾਇਨ সরঞ্জামীন ডিজাইন

(A) English Gujarati Hindi Tamil Kannada Bengali Punjabi

(B) English Kannada Hindi Tamil Gujarati Punjabi Bengali

(C) English Tamil Hindi Punjabi Kannada Bengali Gujarati

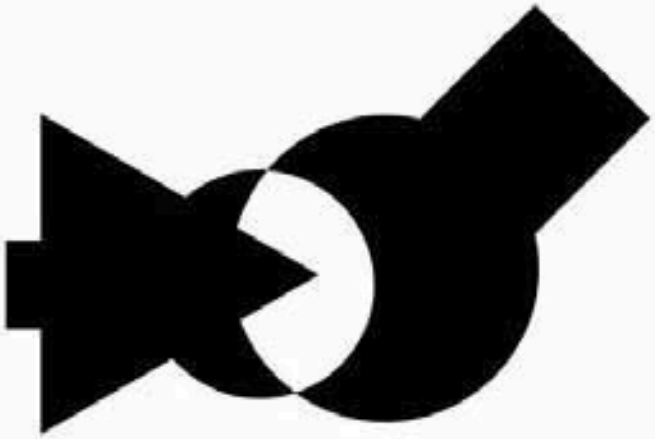
(D) English Kannada Punjabi Gujarati Tamil Hindi Bengali

Q66. In a *Departmental Store*, the *Apparel* section is located to the right of *Bakery* section which is located on the right side of *Cosmetics* section. If the *Dairy Products* section is in front of *Cosmetics* section and *Electronics* section is in front of *Apparel* section, which one of the following is true?

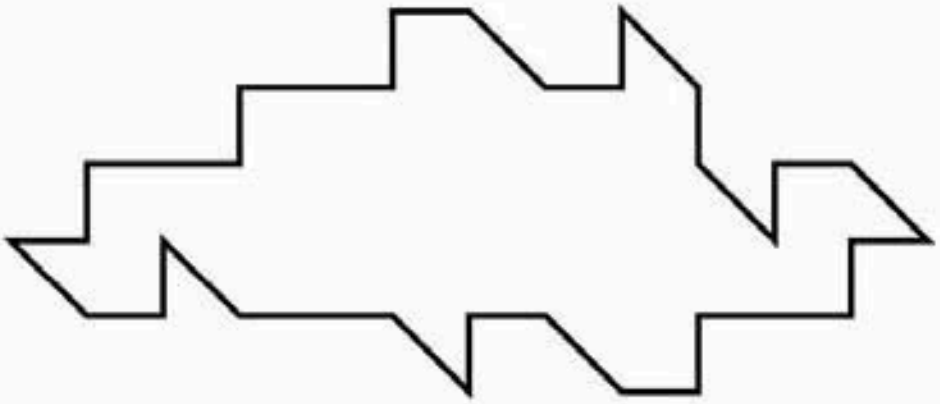
(A) The *Dairy Products* section is on the left of *Electronics* section
(B) The *Cosmetics* section is on the left of *Apparel* section
(C) The *Cosmetics* section is on the right of *Apparel* section
(D) The *Dairy Products* section is one the right of *Electronics* section

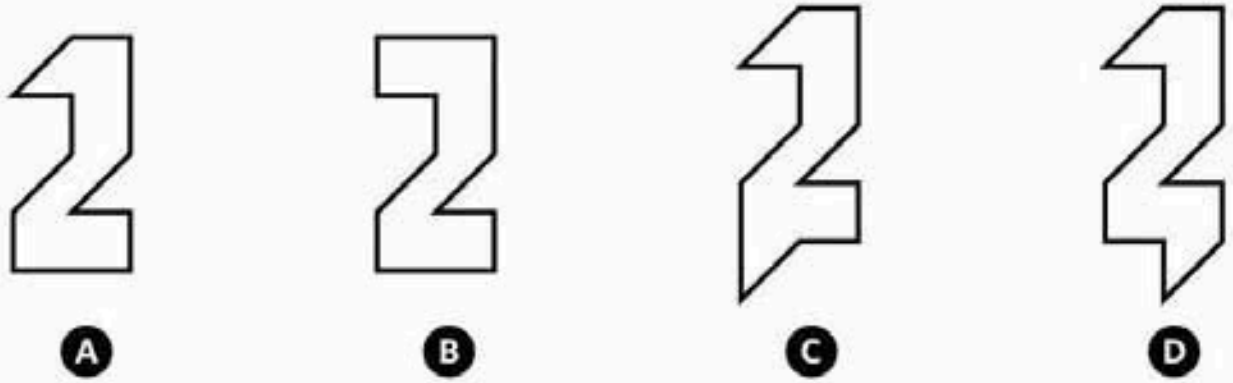
Q67. Identify the number of individual circles, triangles and squares from the image below:

(A) 1 Circle, 2 Squares, 1 Triangle
(B) 2 Circles, 2 Squares, 1 Triangle
(C) 1 Circle, 1 Square, 2 Triangles
(D) None of these



Q68. Which piece can be used multiple times to fill the shape below?

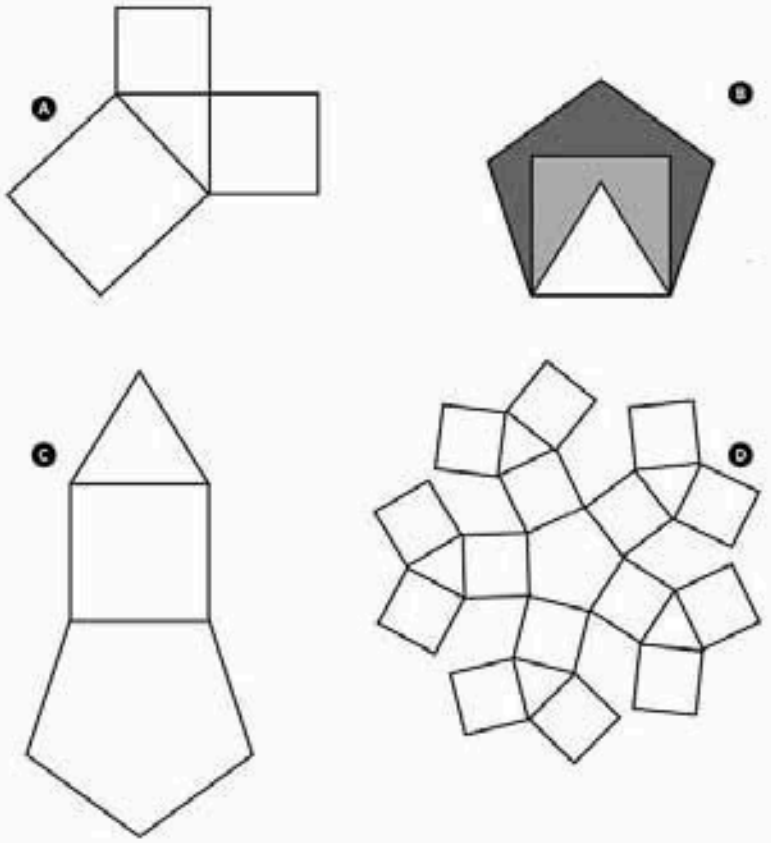




Q69. Match the following mathematical expressions with the images given below

(i) 3+4+5 (ii) 5 – 4 – 3 (ii) $3^2 + 4^2 = 5^2$ (iv) 4x3x5

Images



(A) A(iii), B(ii), C(i), D(iv)

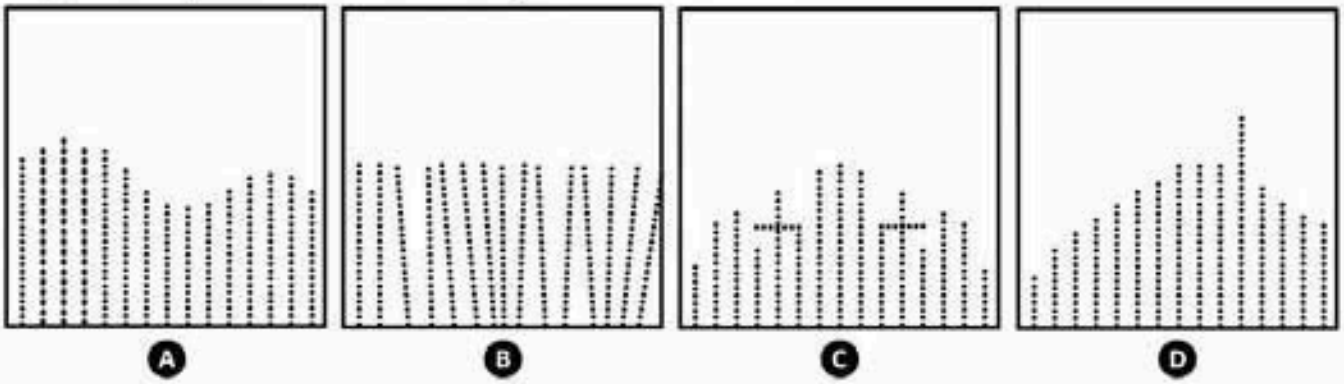
(B) A(ii), B(iii), C(i), D(iv)

(C) A(iii), B(ii), C(iv), D(i)

(D) A(iii), B(i), C(ii), D(iv)

Question numbers 70 to 81 carry 0.75 marks each. Please read the questions carefully and select your response from the options provided.

Study the images below and answer questions 70 to 73.



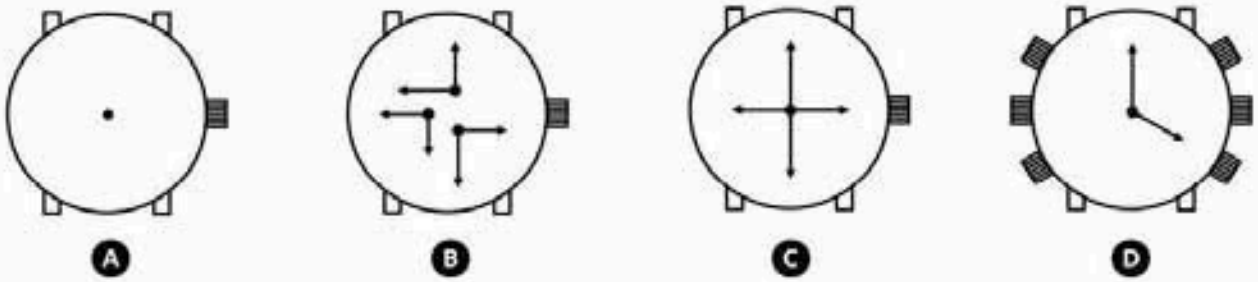
Q70. Which image represents the word 'symmetry'?
Q71. Which image represents the word 'emphasis'?
Q72. Which image represents the word 'rhythm?
Q73. Which image represents the word 'movement'?

Study the images below and answer question 74 to 77.



Q74. Which image represents the word 'aggressive'?
Q75. Which image represents the word 'fluid'?
Q76. Which image represents the word 'flamboyant'?
Q77. Which image represents the word 'feminine'?

Study the images below and answer question 78 to 81.



Q78. Which image represents the phrase 'which way to go'?

Q79. Which of the following images represents the phrase 'many possibilities coexists'?

Q80. Which of the following images represents the phrase 'overloaded with burden'?

Q81. Which of the following images represents the word 'frozen'?

Question numbers 82 and 83 carry 1.5 marks each.
Answer the questions based on the image given below:



Q82. How many triangles can you form by joining the above group of dots so that 3 dots are left?
(A) Six (B) Eight (C) Twelve (D) Twenty four

Q83. How many quadrilaterals can you form by joining the above group of dots?
(A) Five (B) Six (C) Nine (D) Twelve

Questions 84 to 88 have more than one correct answer and carry 0.8 marks each. Please read the questions carefully and select the most correct option (only one) from the options provided.

Q84. Complete the sentence:
She was .....
(A) almost six feet tall.
(B) the light of my life.
(C) a doctor by profession.
(D) emotionally very vulnerable.

Q85. Complete the sentence:
He was on a roller coaster.....
(A) ride at the fair.
(B) of emotions.
(C) and he felt very scared.
(D) with a group of friends.

Q86. Complete the sentence:
Failure is.....
(A) very bad. No one should fail.
(B) a representation of a person's abilities.
(C) a sad experience. Try again.
(D) an orphan with no takers.

Q87. Complete the sentence:
The Moon is .....
(A) of cultural importance.
(B) like a roti for the poor man.
(C) a satellite of the earth.
(D) a source of light at night.

Q88. Complete the sentence:
The day I left my hometown, I was.....
(A) thinking about my action plan.
(B) emotionally depressed.
(C) feeling blue.
(D) on my own.

* * * * * End of Part I * * * * *

ANSWER KEY FOR BOOKLET CODE 18 SERIES A [PART I]

Question No	Ans Key	Question No	Ans Key	Remarks
1	C	45	D	
2	A	46	B	
3	A	47	C	
4	A	48	D	
5	B	49	D	ALL OTHER OPTIONS CARRIES 0.25 MARKS.
6	D	50	B	
7	D	51	D	
8	A	52	D	
9	D	53	C	
10	A	54	C	
11	C	55	C	
12	B	56	D	
13	C	57	A	
14	C	58	B	
15	D	59	C	
16	C	60	C	
17	C	61	B&D	B&D BOTH THE OPTIONS ARE CORRECT.
18	C	62	A	
19	B	63	A	
20	B	64	C	
21	B	65	B	
22	C	66	A&B	A&B BOTH THE OPTIONS ARE CORRECT.
23	B	67	B	
24	C	68	D	
25	C	69	A	
26	C	70	C	
27	D	71	D	
28	D	72	A	
29	C	73	B	
30	C	74	C	
31	D	75	D	
32	B	76	A	
33	D	77	B	
34	B	78	C	
35	D	79	B	
36	A	80	D	
37	B	81	A	
38	A	82	C	
39	D	83	C	
40	B	84	B	B OPTION WILL GET 0.8, D OPTION WILL GET 0.4.
41	B	85	B	B OPTION WILL GET 0.8, C OPTION WILL GET 0.4.
42	A	86	D	D OPTION WILL GET 0.8, C OPTION WILL GET 0.4.
43	D	87	B	B OPTION WILL GET 0.8, A OPTION WILL GET 0.4.
44	C	88	D	D OPTION WILL GET 0.8, B OPTION WILL GET 0.4.