राष्ट्रीय डिज़ाइन संस्थान
NATIONAL INSTITUTE OF DESIGN

NID M.DES 2018 Original Paper Solved From

(PART I)

BOOKLET CODE **30** **QUESTION BOOKLET SERIES** **A**

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

NOTE : Confirm that the 1st and 2nd digits of your Roll No. are 3 0 .If not, bring it to the notice of the invigilator.

Name of candidate : _____Signature of the candidate:_____

Part	Pattern	Question Nos.	Marks per Question	Marking of Answers	Exam Duration
I	Objective Type-Multiple Choice Questions	1 to 18	0.5 1.0	Answers of these questions are to be marked only on the OMR Answer Sheet which is provided separately, using Black/Blue ball point pen.	3 hours
		19 to 35	1.5 2.0		
		36 to 51	3.0 8 10		
		52 to 55	12		
		56 to 59			
II	Subjective Type	60		Answers of these questions are to be given in the space provided below each question on the Question-cum-Answer Booklet only.	
		61			
		62			

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 1 & Part II) is 3 hours. There are 59 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. ১ to ৫৯ 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 answer options marked (A) (B) (C) and (D).
8.2 Choose the correct option and darken the oval completely with a BLACK/BLUE PEN ONLY against the relevant question number.
8.3 Use only Black/Blue Pen to darken the oval for answering.
8.4 Do not darken more than one oval 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 examining authority.

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

PART–I

Directions: Question Nos. ১ to ৫৯ are multiple choice. The correct answer must be marked in the OMR answer sheet provided separately. Do not write your name anywhere in the booklet. This will lead to disqualification.

Directions (Question Nos. ১ to ১৮): Each question carries ০.৫ marks. Please read the question carefully and select your response from the options provided.

Q1. The story andthemearealways taken from the Mahabharata and Ramayana in which of the following styles of dance?
(A) Bharatanatyam (B) Kuchipudi (C) Oddissi (D) Kathakali

Q2. Which of the following is not a UNESCO World Heritage site?
(A) Somnath Temple, Gujarat
(B) Champaner-Pavagadh Archaeological Park, Gujarat
(C) Konark Sun Temple, Odisha
(D) Chhatrapati Shivaji Terminus railway station, Mumbai, Maharashtra

Q3. The painting 'Guernica', painted by a Spanish artist, depicts the horror of war and is considered as an anti-war symbol. The name of the artist is
(A) Velazquez (B) Salvador Dali (C) Goya (D) Pablo Picasso

Q4. Which languages of the sets below was Jesus known to be able to speak in?
(A) German, Javanese and Aramaic (B) Aramaic, Hebrew and Greek
(C) Spanish, Greek and Portuguese (D) Hebrew, Russian and Lahnda

Q5. Recently, Guinness World Records declared Majuli to be the largest river island in the world. In which country is Majuli located?
(A) India (B) Australia (C) Sri Lanka (D) South Africa

Q6. A big step has been taken in the application of green energy in public transport with the introduction of the world's first hybrid electric tram powered by hydrogen fuel cells. The tram emits no pollutants as water is its only emission. In which country is this tram running?
(A) Hong Kong (B) South Korea (D) Japan
(C) China

Q7. On 24 August 2017, a landmark judgment was delivered by a nine-judge bench of the Supreme Court of India. In this judgment, it declared which of the following options as a fundamental right under the Constitution of India?
(A) Triple Talaq
(B) Use of biometric information
(C) Privacy
(D) Right to dissent

Q8. The Good Design Mark for recognition of excellence in design was initiated by which country?
(A) India (B) Japan (C) Denmark (D) Italy

Q9. Identify the set that lists substances in strictly increasing order of acidity:
(A) human blood, pure lemon juice, vinegar, liquid soap
(B) pure lemon juice, vinegar, liquid soap, human blood
(C) vinegar, liquid soap, human blood, pure lemon juice
(D) liquid soap, human blood, vinegar, pure lemon juice

Q10. Who founded Amazon.com?
(A) Sergey Brin and Larry Page (B) Steve Jobs, Steve Wozniak, and Ronald Wayne (C) Jeff Bezos (D) Paul Allen

Q11. The 'colour wheel' as an organization of colours was first introduced in 1666, by
(A) Isaac Newton.
(B) Leonardo da Vinci.
(C) Johann Wolfgang von Goethe.
(D) Michel Eugène Chevreul.

Q12. Which of the following is not an embroidery technique?
(A) Chikankari (B) Phulkari (C) Kalamkari (D) Kashidakari

Q13. What has the UN declared the decade from 2016 to 2025 as?
(A) United Nations Decade on Biodiversity
(B) United Nations Decade of Action on Nutrition
(C) United Nations Decade for People of African Descent
(D) United Nations Literacy Decade

Q14. The newly introduced Goods and Services Tax is not applicable on
(A) Take-away food.
(B) Automobiles.
(C) Garments.
(D) Employment.

Q15. Which of the following countries is one of fifteen member nations who are elected to serve on the United Nations (UN) Human Rights Council?
(A) Pakistan (B) South Africa (C) Chile (D) India

Q16. Sansad Bhawan, the house of the Parliament of India, is located in New Delhi. Identify the architects who designed it.
(A) Edwin Lutyens, Herbert Baker
(B) Charles Correa, Laurie Baker
(C) Raj Rewal, B. V. Doshi
(D) Louis Kahn, Le Corbusier

Q17. Which word does not suitably describe the effect of the image below?



(A) Rhythm
(B) Hypnosis
(C) Spiral
(D) Continuation

Q18. How often does the lunar calendar add one extra month to a year?
(A) Every year
(B) Once in 2 years
(C) Every five years
(D) Every third year

Directions (Question Nos. ١٩ to ٣٥): Each question carries ١.٠ marks. Please read the questio carefully and select your response from the options provided.

Q19. The instrument shown can be used for measuring



(A) Depth
(B) Length
(C) Diameter
(D) All these

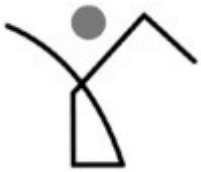
Q20. Identify the four government schemes shown in this image:



(1)



(2)



(3)



(4)

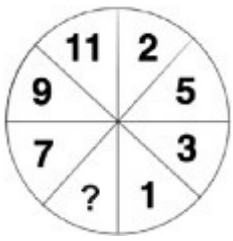
(A) 1-Make in India, 2-Saubhagya, 3-Pradhan Mantri Awas Yojana-Gramin, 4-Pradhan MantriUjjwala Yojna
(B) 1-Skill India, 2-Pradhan Mantri Ujjwala Yojna, 3-Pradhan Mantri Awas Yojana-Gramin, 4-Saubhagya
(C) 1-Skill India, 2-Swachh Bharat, 3-Jan Aushadhi, 4- Start up India
(D) 1-Make in India, 2-Pradhan Mantri Ujjwala Yojna, 3-Amrut Yojna, 4-Beti Bachao Beti Padhao

Q21. Which of the following is a case of "by design, not by accident"?
(A) Pollination of flowers
(B) The patterns obtained in a kaleidoscope
(C) Evolution of creatures on this earth
(D) A well-executed shot in carrom

Q22. You are inside a cinema hall 100 feet high. Adjacent to the cinema hall is an office building of the same height. The office building is divided into floors of equal height. Each floor of the office building has a window on the outside. How many windows would the building have when viewed from outside?
(A) 5 windows (B) 9 windows (C) 14 windows (D) 19 windows

Q23. At the end of a meeting of 12 designers, each one shook hands with everyone else once. How many handshakes took place altogether?
(A) 11 (B) 13 (C) 66 (D) 132

Q24. Identify the missing number:
(A) 12
(B) 10
(C) 4
(D) 0



Directions (Question Nos. २५ to २८): Read the paragraph below carefully to answer these questions.

Architects tend to assume a “sameness”, or normality, amongst the population, that all kinds of people have the same expectations of the environment. This has also been perpetuated through three interconnected dimensions of the design process, that is, giving greater precedence to the idea of building form over function; the construction of architectural and other design practices, thus creating a new technical expert; and the ascendancy of the corporate economy as the dominant clientele. Further, the culture, social ethics and/or practices of design professionals do not make them see themselves as part of wider political processes. According to them, architects seem to have limited understanding of the interconnectedness between values, design objectives and the design intentions derived from them, with design theory tending to focus on the technocratic and technological, reducing questions of access and form to the functional aspects of the subject, yet being inattentive to the social psychology of design or people’s real needs. An impersonal, often alienating, practice is perpetuated because emphasis is laid on the aesthetic or building form, not the user and/or the pragmatics of the functioning of the building. Seen in this way, buildings are deemed as an “abstraction", which are independent of the socio-political contexts within which they are produced. Then again, architectural movements and styles such as the modern movement were based on the principle of having “segregated and monofunctional forms”. This is an aesthetic based on “an abstract, intellectual purity of rational, geometric, forms and a mass- produced industrial technology” and “a non-contextual” principle which negates bodily differences, human subjectivity, differences in human behavior or access. The Bauhaus movement, for instance, persuaded people to use predetermined design, and architects and designers sought to standardize people’s bodily interactions with the built environment. Thus, the socio-architectural practices based on universal design principles or based on structures which are multi-functional are non-disablist and liberating.

Q25. Choose the word which is most opposite in meaning to the word "perpetuated" used in the passage.

(A) Sustain (B) Continue (C) Cease (D) Perpetrate

Q26. The author's most important objective of writing the passage seems to be to

(A) highlight how architects do not consider the varied range of users of a given built environment and their interaction with it.

(B) show how architects emphasize function over form.

(C) illustrate the supremacy of architects.

(D) urge the adoption of flexible architecture.

Q27. According to the passage, architects need to pay attention to

(A) varied built environments.

(B) standardised design outcomes.

(C) socio-psychological aspects of design.

(D) engineering aspects of design.

Q28. The most appropriate title for the passage would be

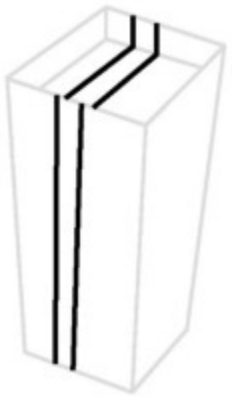
(A) Towards Universal Design

(B) Alienated Design

(C) Dynamic Architectural Design

(D) Modern Movement

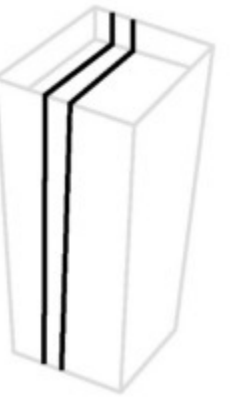
Q29. Which of the strips running along the walls of the building in the images below has a representational perspective flaw?



(A)



(B)

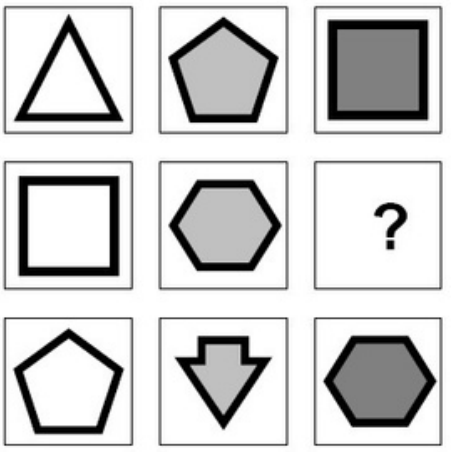


(C)



(D)

Q30. Select a shape for the empty frame in the following.

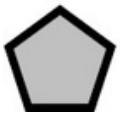




(A)



(B)



(C)



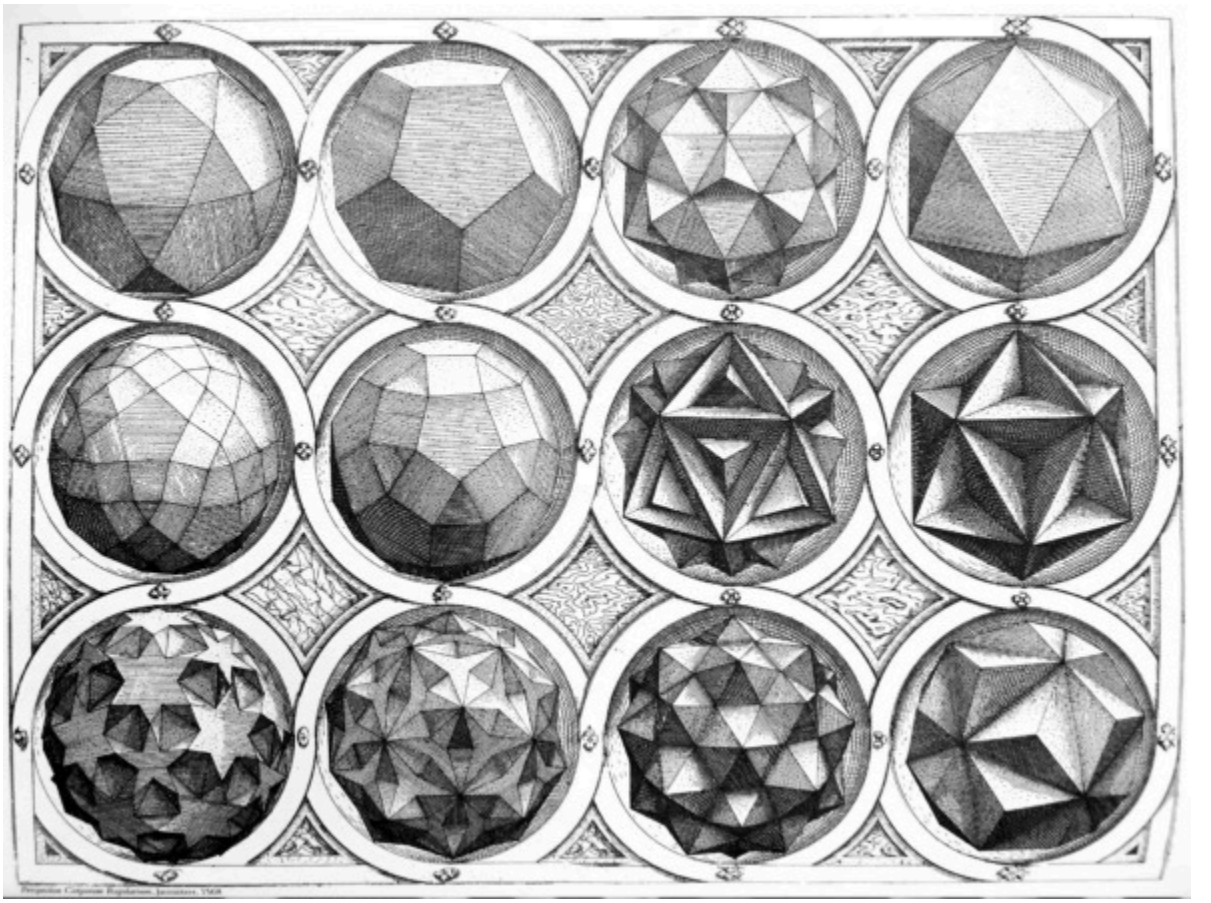
(D)

Q31. How many pentagons must the object below have over its complete surface?

(A) 5
(B) 12
(C) 1
(D) 6



Q32. How many triangles can you see in the circle second from left in the second row?



(A) 0 (B) 5 (C) 12 (D) 16

Q33. Select the image from the following that belongs to the animal on the top of the chain of evolution.



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

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

Q34. Study the image below carefully and identify the feelings of the image.



Now look at the images below and identify one which reflects the same feelings.



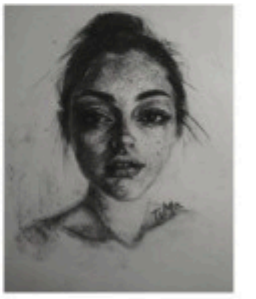
(A)



(B)



(C)

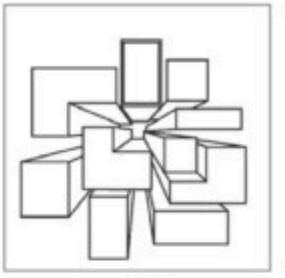


(D)

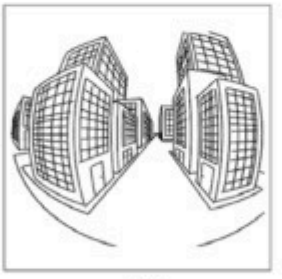
Q35. Which of the pictures below is a fish-eye view?



(A)



(B)



(C)



(D)

Directions (Question Nos. ٣٦ to ٥١): Each question carries ١.٥ marks. Please read the question carefully and select your response from the options provided.

Directions (Question Nos. ٣٦-٣٩): Read the paragraph carefully to answer these questions.

"From this distant vantage point, the Earth might not seem of any particular interest. But for us, it's different. Consider again that dot. That's here. That's home. That's us. On it everyone you love, everyone you know, everyone you ever heard of, every human being who ever was, lived out their lives. The aggregate of our joy and suffering, thousands of confident religions, ideologies, and economic doctrines, every hunter and forager, every hero and coward, every creator and destroyer of civilization, every king and peasant, every young couple in love, every mother and father, hopeful child, inventor and explorer, every teacher of morals, every corrupt politician, every ''superstar,'' every ''supreme leader,'' every saint and sinner in the history of our species lived there—on a mote of dust suspended in a sunbeam. Our planet is a lonely speck in the great enveloping cosmic dark. In our obscurity—in all this vastness—there is no hint that help will come from elsewhere to save us from ourselves. The Earth is the only world known, so far, to harbor life. There is nowhere else, at least in the near future, to which our species could migrate. Visit, yes. Settle, not yet. Like it or not, for the moment, the Earth is where we make our stand. It has been said that astronomy is a humbling and character-building experience. There is perhaps no better demonstration of the folly of human conceits than this distant image of our tiny world. To me, it underscores our responsibility to deal more kindly with one another and to preserve and cherish the pale blue dot, the only home we've ever known."

Q36. The trigger for this speech was
(A) humankind reaching the moon.
(B) launch of the space shuttle.
(C) voyager looking back at Earth from a distant point in space.
(D) humankind going into space for the first time.

Q37. This speech could NOT have been written in the year _____.
(A) 2015 (B) 1995 (C) 1955 (D) 1935

Q38. The emotions that the author can be said to be experiencing are _____.
(A) Awe (B) Sorrow (C) Dismay (D) Nostalgia

Q39. "Blue Dot" above refers to
(A) A drop of water
(B) Earth as seen from a distant spacecraft
(C) An artist's rendering of Earth
(D) Another planet seen from Earth

Directions (Questions ४०–४१): Read the paragraph carefully to answer these questions.

Three years after the Bandung Conference, in 1958, Nehru, the first prime minister of independent India, invited the Eameses to help the developing country incorporate design into his project of national regeneration. Before elaborating, however, I want to attend more closely to the summer of 1955, when the self-assertions of the former colonies at the Bandung Conference converged with the arrival of Indian art and aesthetics into public consciousness in the United States. The Textile and Ornamental Arts of India exhibition at MoMA had gathered an unprecedented range of textiles, crafts, and decorative objects from collections and institutions around the world, including several hundred loans from the Victoria and Albert Museum in London, such as the highly symbolic Tipu's Tiger, seized by the British in 1799 and still displayed at the Victoria and Albert in London. Tellingly, American audiences were largely indifferent to this contested symbol of imperial rule; they responded instead to Girard's installation of brightly colored saris from different regions of the subcontinent, which hung over a fifty-foot pool of water and were reflected for the viewer in a large mirrored wall. Visitors did not appear to object to this or other violations committed by Girard to the sanctity of MoMA's modernist "white cube" space. Indeed, his installation, designed as an imaginary bazaar, received rave reviews in New York's fashion magazines and, intentionally or not, helped to establish the village scene as the privileged setting for the display of Indian crafts in the post-war period. MoMA's Textile and Ornamental Arts of India thus received significant attention by the mainstream media and was featured in Life, the New Yorker, the New York Times Magazine, Women's Wear Daily, and Harpers Bazaar, before traveling for the next three years to more than a dozen locations in the United States, ranging from Pennsylvania, Illinois, and Tennessee, to Texas, California, Florida, and Hawaii. The exhibition also brought the Eameses into contact with a number of distinguished 'experts' on Indian art, including Stella Kramrisch, the Austrian professor and curator of Indian art who had recently arrived to work in Philadelphia, Pupul Jayakar, the writer and cultural activist known for her advocacy of crafts in Indian society, and John Irwin, the Keeper of the Indian Section at the Victoria and Albert Museum in London. It is more than a simple coincidence that all of these authorities on Indian art would converge on the MoMA show, the first large-scale exhibition of Indian culture in the United States.

Q40. Before the MOMA's Textile and Ornamental Arts of India exhibition the designers, the Eameses, were in contact with _____.

(A) Girard
(B) Kramrisch
(C) Jayakar
(D) Irwin

Q41. The author believes that the American audiences of the 'Textile and Ornamental Arts of India' exhibition were unconcerned with the

(A) first large-scale exhibition of Indian culture in the United States.
(B) colonial past of some objects showcased in the exhibition.
(C) imaginary bazaar that was installed in modernist building of MOMA.
(D) coverage of the exhibition in many magazines in the United States.

Q42. If the river Sabarmati is represented by 94, Hoogly by 62, Beas by 42, Krishna by 72, and Ganga by 52, then Narmada would be represented by which number?

(A) 73 (B) 74 (C) 75 (D) 76

Q43. Mr. Namit Patankar leaves Mumbai by the 8.00 am IST (Indian Standard Time) flight to New Delhi and later boards an international flight at 12.20 pm IST to Tokyo (Japan) via Bangkok (Thailand) with a layover connection time of 2 hr 15 min. The total duration of air time for the international flight is 9 hr 45 min. Predict in JST (Japan Standard Time), the estimated time of his arrival in Tokyo.

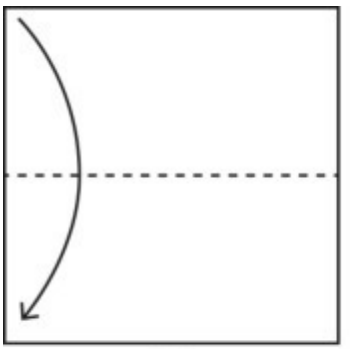
(A) 3.50 am (B) 8.50 pm (C) 12.20 am (D) 11.50 pm

Q44. Which of the following correctly represents the relationship between the perimeters of the shapes for the same area?

(A) Circle < Square < Equilateral triangle
(B) Equilateral triangle < Circle < Square
(C) Square < Equilateral triangle < Circle
(D) Equilateral triangle < Square < Circle

Q45. Three figures– P, Q and R, are given below indicating the sequence in which a square sheet of paper is folded. The last figure R shows the shapes which are then cut out from the folded piece of paper.

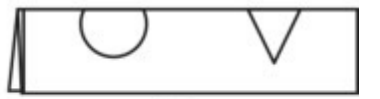
Select the option which would resemble the piece of paper unfolded after cutting out the shapes.



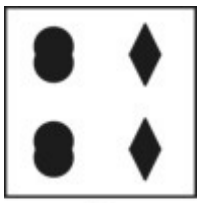
P



Q



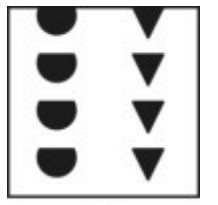
R



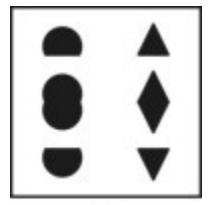
A



B

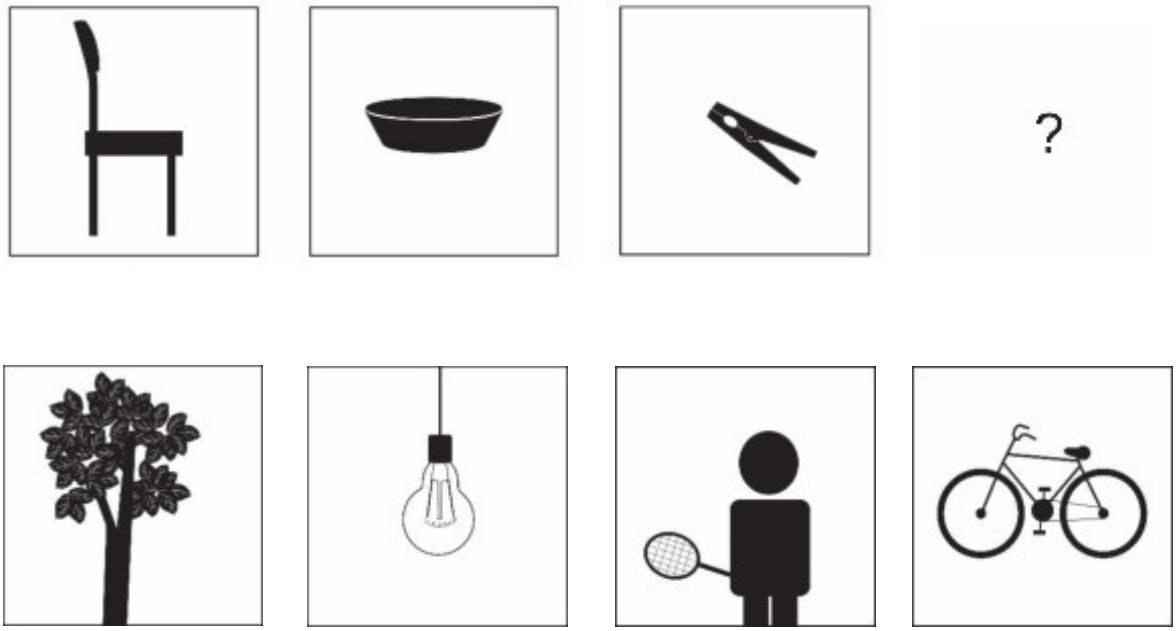


C



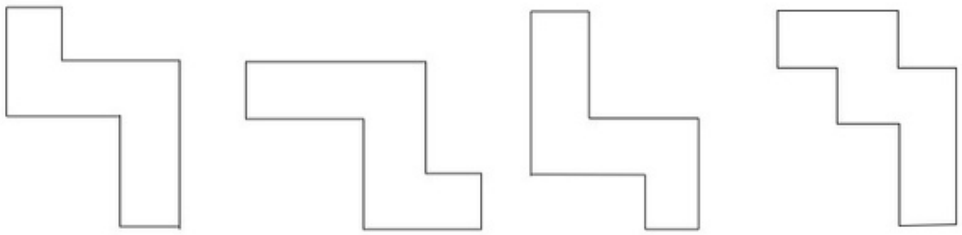
D

Q46. Which image will fit to the context of images given here most appropriately?



(A) (B) (C) (D)

Q47. If the following shapes are extruded out of the plane of the paper to become solids, which two among them will look identical in shape and size when seen from the right?



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

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

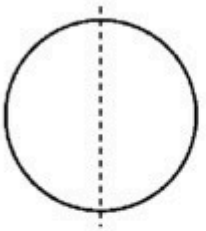
Q48. What letter will you get by rotating W first by 180 degrees about the Y axis, then by 180 degrees about the X axis and then by 90 degrees about the Z axis?

(A) W (B) E
(C) M (D) None

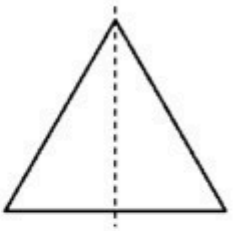
Q49. If you were to look at the rainbow with red glasses, which two of the colours V (=1)-I-B-G-Y-O-R(=7) would you expect to turn fully black?

(A) Colour no. 1, 4, 7 (B) Colour no. 3, 4, 5
(C) Colour no. 3, 4 (D) None of the 7 colours

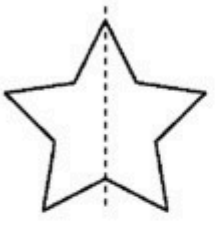
Q50. Observe the shapes below. Visualize each shape rotated 360 degrees about a vertical axis passing through its centre as shown and generating a 3D solid swept in the process. Rank the resulting solids according to order of increasing stability?



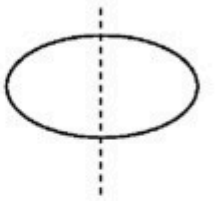
(p)



(q)



(r)



(s)

(A) p,q,r,s
(B) p,s,q,r
(C) q,r,s,p
(D) p,s,r,q

Q51. Identify the missing number in the sequence: 10 6 8 16 13 **?** 24 34 20 18 27 12
(A) 13
(B) 15
(C) 16
(D) 19

Directions (Question Nos. 52 to 55): Each question carries 2.0 marks. Please read the question carefully and select your response from the options provided.

Q52. Which of the following objects can best represent the ideas of—

1. Abstract
2. Sustainability
3. Organic
4. Minimalism



(i)



(ii)

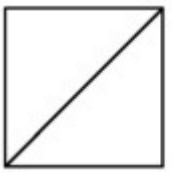
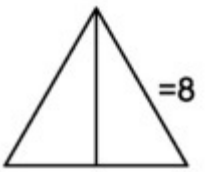
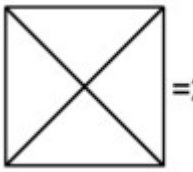
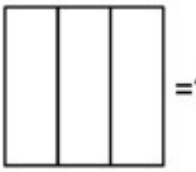


(iii)



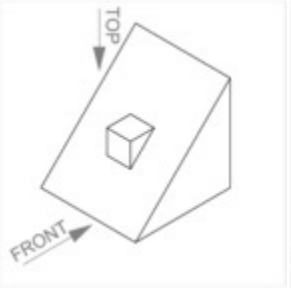
(iv)

(A) i-2, ii-4, iii-1, iv-3
(B) i-1, ii-2, iii-4, iv-3
(C) i-4, ii-3, iii-2, iv-1
(D) i-2, ii-3, iii-4, iv-1

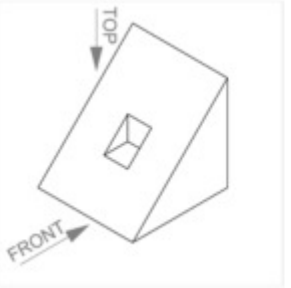
Q53. If  =10 ,  =8 ,  =24 then  =?

(A)8
(B) 16
(C) 18
(D) 22

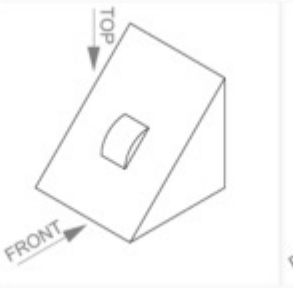
Q54. Given below are 4 objects A, B, C and D.



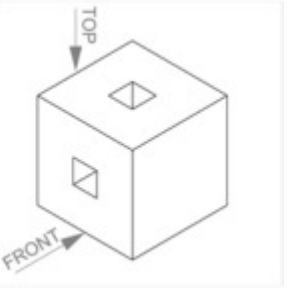
(A)



(B)

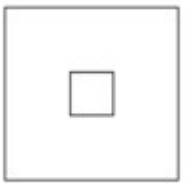


(C)



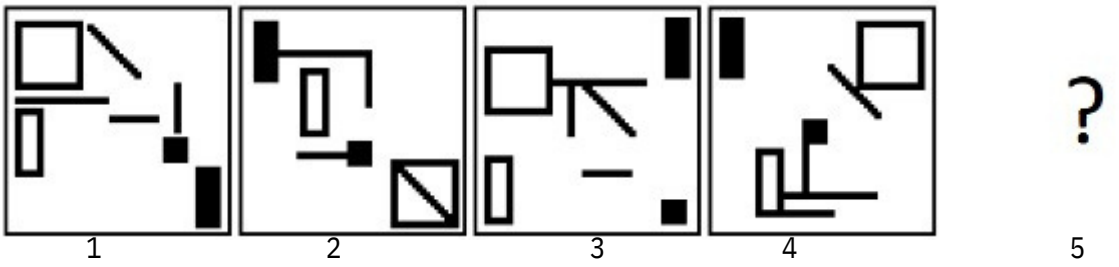
(D)

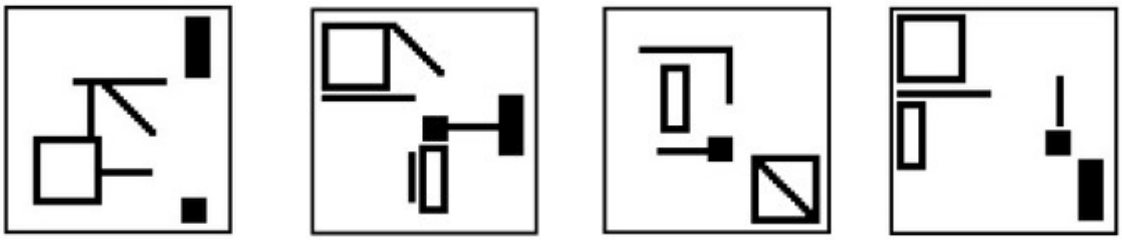
Which of these would look like a square within a square, as shown below, while looking from both front and top



(A) A, B, C ,D
(B) Only A & B
(C) Only A, B & C
(D) Only D

Q55. Which of the options should appear at position number 5 to complete the series?





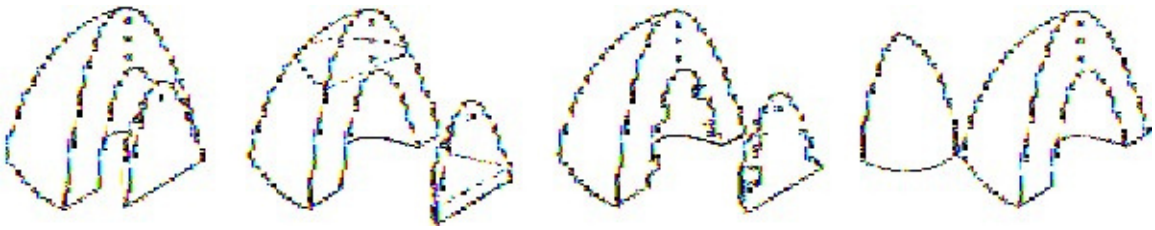
Directions (Question Nos. ٥٦ to ٥٩): Each question carries ٣.٠ marks. Please read the question carefully and select your response from the options provided.

Q56. Match the sayings and objects given below in the most suitable manner.

Sayings:

S1: Time and tide wait for no man
S2: The big fish eat the small
S3: Keep your friend close and enemy closer
S4: If at first you don't succeed, try again

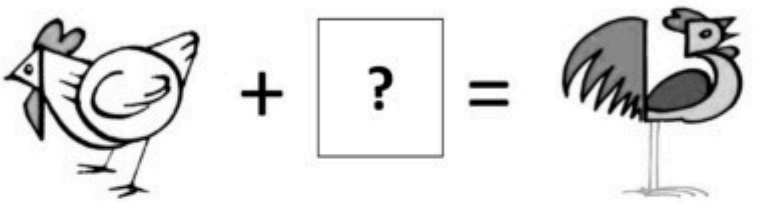
Objects:

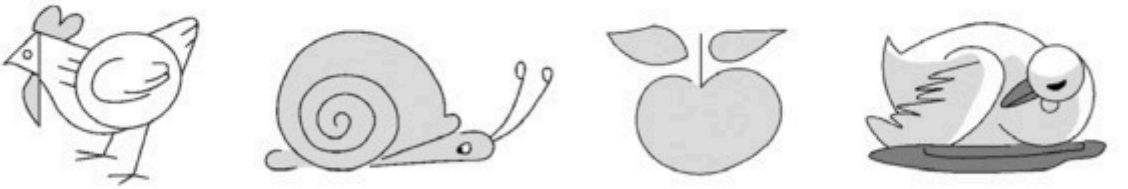


(A) 1-S2, 2-S4, 3-S1, 4-S3
(B) 1-S2, 2-S1, 3-S4, 4-S3
(C) 1-S2, 2-S1, 3-S3, 4-S4
(D) 1-S2, 2-S4, 3-S1, 4-S3

Q57. How many queens can be placed on a chessboard such that none is a target of any other?
(A) 12 (B) 6 (C) 8 (D) 7

Q58 Select the image from the given options that would be most suitable in this equation:





(A) (B) (C) (D)

Q59. For a story titled "An Opportunity" which is depicted as follows:







?

Choose one of the following endings to be consistent with the story title.

(A)



(B)



(C)



(D)



BOOKLET CODE 30 **QUESTION BOOKLET SERIES (A)**

PART - 1 **ANSWER KEYS**

Q.No.	Correct Answer	Marks
1	A	0.5 marks
	D	0.5 marks
2	A	0.5 marks
3	D	0.5 marks
4	B	0.5 marks
5	A	0.5 marks
6	C	0.5 marks
7	C	0.5 marks
8	B	0.5 marks
9	D	0.5 marks
10	C	0.5 marks
11	A	0.5 marks
12	C	0.5 marks
13	B	0.5 marks
14	D	0.5 marks
15	A	0.5 marks
	C	0.5 marks
16	A	0.5 marks
17	C	0.5 marks
18	D	0.5 marks
19	D	D = 1.0 marks
		A = 0.25 marks
		B = 0.25 marks
		C = 0.25 marks
20	B	1.0 marks
21	D	1.0 marks
22	B	1.0 marks
23	C	1.0 marks
24	B	1.0 marks
25	C	1.0 marks
26	A	1.0 marks
27	C	1.0 marks
28	A	1.0 marks
29	C	1.0 marks
30	D	1.0 marks
31	B	1.0 marks
32	B	1.0 marks
33	D	1.0 marks

Q.No.	Correct Answer	Marks
34	B	1.0 marks
35	C	1.0 marks
36	C	1.5 marks
37	C	1.5 marks
	D	1.5 marks
38	A	1.5 marks
39	B	1.5 marks
40	A	1.5 marks
41	B	1.5 marks
42	A	1.5 marks
43	A	1.5 marks
44	A	1.5 marks
45	A	1.5 marks
46	B	1.5 marks
47	D	1.5 marks
48	B	1.5 marks
49	C	1.5 marks
50	D	1.5 marks
51	C	1.5 marks
52	A	A = 2.0 marks
		B = 0.5 marks
		C = 0.25 marks
		D = 0.25 marks
53	C	2.0 marks
54	A	A = 2.0 marks
		C = 1.5 marks
55	B	2.0 marks
56	B	B = 3.0 marks
		A = 0.5 marks
		C = 0.5 marks
		D = 0.5 marks
57	C	3.0 marks
58	C	C=3.0 marks
		B=1.5 marks
		D=1.5 marks
59	C	C = 3.0 marks
		A = 1.0 marks
		B = 1.0 marks

Option not mentioned above against Q.No. is incorrect answer and carries "0" (zero) marks.