

MIZORAM PUBLIC SERVICE COMMISSION
COMBINED COMPETITIVE EXAMINATION FOR
LECTURER (VSE) AND VOCATIONAL GUIDANCE OFFICER UNDER
DIRECTORATE OF SCERT, SCHOOL EDUCATION DEPARTMENT,
GOVERNMENT OF MIZORAM, FEBRUARY-2025.

QUESTION BOOKLET

GENERAL STUDIES PAPER-III

*(The role and impact of science and technology in the development of India;
History, Cultural Heritage and Traditional Practices and General Knowledge
about Mizoram; Aptitude Test)*

Question
Booklet Series

A

Time Allowed : 2 hours

Maximum Marks : 200

INSTRUCTIONS

1. Immediately after the commencement of the examination, you should check that this question booklet does not have any unprinted or torn or missing pages or items, etc. If so, get it replaced by a complete question booklet of the same series.
 2. Write and encode clearly the question booklet series A, B, C or D as the case may be in the appropriate place in the OMR Answer Sheet.
 3. **Particulars/Details to be filled up in the OMR Answer Sheet should be filled up completely and correctly, OMR Answer Sheet of candidates failing to do so will NOT be evaluated.**
 4. This Question Booklet contains 100 questions carrying 2 marks each. Each item comprises of four responses (answers). Mark the response you want on the OMR Answer Sheet.
 5. You have to mark all your responses only on the separate OMR Response Sheet provided. See directions in the OMR Answer Sheet.
 6. After the examination has concluded, you should hand over the OMR Answer Sheet to the Invigilator only. You are permitted to take away with you the Question Booklet.
 7. Separate sheets for rough work will be provided in the Examination Hall.
 8. There are no negative marks for incorrect answer.
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1. It is the major player in India's aerospace programmes and has developed world class capacity for design, development and fabrication of large components of advanced composites for civilian and combat aircraft, structural testing and analysis, aerospace electronics and system.
 - (a) Indian Space Research Organisation
 - (b) National Aerospace Laboratories
 - (c) Hindustan Aeronautics Pvt. Ltd.
 - (d) National Space Agency
2. Ritu Karidhal is a ISRO scientist who is known for her key role in-
 - (a) India's Mars orbiter mission
 - (b) Chandrayaan-3 lunar mission
 - (c) GSAT-9
 - (d) LVM3 rocket
3. The organisation that is mandated to communicate Science and Technology to masses, stimulate scientific and technological temper and coordinate and orchestrate such efforts throughout the country is-
 - (a) National Council for Science Communication
 - (b) Science & Technology Popularisation Commission of India
 - (c) National Council for Science and Technology Communication
 - (d) National Council for Science Promotion
4. The DRDO Centre for Artificial Intelligence and Robotics (CAIR) is located in-
 - (a) Delhi
 - (b) Mumbai
 - (c) Bengaluru
 - (d) Kanpur
5. The National Power Transmission Corporation which was set up in 1989 to construct, operate and maintain the inter-state and inter-regional transmission systems was renamed as -
 - (a) National Electricity Transmission Corporation
 - (b) POWERGRID
 - (c) Power Trading Corporation
 - (d) National Electricity Regulatory Commission
6. The great Indian mathematician who made significant contribution to infinite series is-
 - (a) Salim Ali
 - (b) C.V. Raman
 - (c) Vikram Sarabhai
 - (d) Shrinivas Ramanujan
7. The National Council of Science Museum based in Kolkata is an autonomous body functioning under which Ministry?
 - (a) Ministry of Science & Technology
 - (b) Ministry of Space
 - (c) Ministry of Culture
 - (d) Ministry of Earth Sciences
8. The Chaff technology developed by DRDO protects fighter aircrafts from-
 - (a) Hostile radar threats
 - (b) Cyber threats
 - (c) Biological threats
 - (d) Space debris
9. Which one of the following is not a renewable source of energy?
 - (a) Wind power
 - (b) Hydro power
 - (c) Fossil fuels
 - (d) Solar energy
10. The National Action Plan on Climate Change (NAPCC) has eight national missions. One of the missions is-
 - (a) National Green Hydrogen Mission
 - (b) National Quantum Mission
 - (c) National Mission for Sustainable Agriculture
 - (d) National Supercomputing Mission

11. The first Indian space satellite which was launched in 1975 was -
 - (a) Bhaskara-I
 - (b) Rohini
 - (c) Aryabhata
 - (d) IRS-1A
12. Coral bleaching is an indicator of-
 - (a) Climate change
 - (b) Rise in sea level
 - (c) Melting of glacier
 - (d) Deforestation
13. On October 24, 2024 India launched its fourth nuclear-powered ballistic missile submarine (SSBN) at the Ship building Centre in Vishakhapatnam called as -
 - (a) S4
 - (b) INS
 - (c) AGNI-3
 - (d) ABHAY
14. India has made significant progress in harnessing wind energy, driven by both government support and technological advancements. The most common wind turbines used in India is-
 - (a) Windmill
 - (b) Darrieus wind turbine
 - (c) Horizontal Axis Wind Turbines (HAWT)
 - (d) Vertical Axis Wind Turbines (VAWT)
15. On August, 2024 India launched its first reusable hybrid rocket from Thuruvidanthai, Chennai which marks a significant achievement in the country's space exploration efforts. The mission is called as-
 - (a) Mission Drishti
 - (b) Mission Chandrayaan
 - (c) Mission Rhumi
 - (d) Mission Dhanush
16. The autonomous satellite navigation system developed by the Indian Space Research Organisation (ISRO) that focuses on the Indian subcontinent and surrounding areas is-
 - (a) GPS
 - (b) GLONASS
 - (c) Galileo
 - (d) NavIC
17. The father of Indian Nuclear Programme is-
 - (a) Tessy Thomas
 - (b) Birbal Sahni
 - (c) Homi Jehangir Bhabha
 - (d) MS Swaminathan
18. The Blue revolution that occurred in India generally refers to increase in –
 - (a) Milk production
 - (b) Fish production
 - (c) Wheat production
 - (d) Jute production
19. The name of the technology developed by researchers at the Indian Institute of Science, Bangalore that mimics the structure and function of brain tissue in a miniature platform, capable of storing and processing data in 16,500 is-
 - (a) Neural network chip
 - (b) Brain on a chip
 - (c) Tissue chip
 - (d) Mini brain implants
20. The potential for storing significant amount of carbon in forests and other ecosystems as an alternative means of offsetting the effect of future emissions on greenhouse gas concentration on atmosphere is -
 - (a) Carborundum
 - (b) Carbon di-oxidation
 - (c) Carbocation
 - (d) Carbon sequestration
21. The National Science Day is celebrated every year on –
 - (a) 29th January
 - (b) 28th February
 - (c) 16th November
 - (d) 27th March
22. Deepor Beel is a Ramsar Site situated in-
 - (a) Arunachal Pradesh
 - (b) Assam
 - (c) Meghalaya
 - (d) Tripura

23. Which one of the following category is not included in the National Air Quality Index?
(a) Very poor (b) Severe
(c) Moderately polluted (d) Highly polluted
24. Pualreng Wildlife Sanctuary is located in which district of Mizoram?
(a) Mamit (b) Lunglei
(c) Kolasib (d) Champhai
25. The ambient National Air Quality standard in respect of noise [Limits in dB(A) Leq] for a residential area is -
(a) 55 daytime and 45 night time (b) 50 daytime and 40 night time
(c) 60 daytime and 50 night time (d) 65 daytime and 55 night time
26. The new snake species discovered in Mizoram in 2024 by researchers at the Mizoram University is-
(a) *Sinomicrurus gorei* (b) *Ahaetulla prasine*
(c) *Python bivittatus* (d) *Smithophis mizoramensis*
27. The only approved genetically modified (GM) crop for cultivation in India is-
(a) Bt tomato (b) Golden rice
(c) Bt cotton (d) GM Canola
28. The most abundant Greenhouse Gas in the atmosphere is -
(a) Methane (b) Carbon Dioxide
(c) Water Vapour (d) Nitrous Oxide
29. Several plants are sensitive to ozone and contribute as an indicator of air pollution. Ozone enters leaves through the microscopic pores of-
(a) Xylem (b) Phloem
(c) Stomata (d) Macropores
30. The series of supercomputers designed and assembled by the Centre for Development of Advanced Computing (C-DAC) in Pune, India is -
(a) PARAM (b) Arka
(c) Arunika (d) Mihir
31. The Indian biopharma company to develop the first rH-insulin using a *Pichia pastoris* yeast expression system in the world is-
(a) Bharat Biotech (b) Novartis
(c) Biocon (d) Dr Reddy's Lab
32. It is a method based on X-rays to create detailed images of the inside of the body -
(a) EEG (b) ECG
(c) CT Scan (d) MRI
33. It is a network that is constructed by using public wires/network usually the internet to connect to a private network -
(a) VPN (b) WAN
(c) LAN (d) MAN
34. Which Sustainable Development Goal (SDG) focuses on innovation?
(a) SDG 4 (b) SDG 8
(c) SDG 9 (d) SDG 11

35. The process by which green plants and certain other organisms transform light energy into chemical energy is called -
- (a) Photosynthesis (b) Respiration
(c) Asphixia (d) Oxidation
36. The BioE3 policy launched by the Union Minister of State for Science and Technology stands for-
- (a) Biotechnology for Environment, Economy, and Employment
(b) Biotechnology for Environment, Economy, and Entrepreneurship
(c) Biotechnology for Ecology, Economy, and Employment
(d) Biotechnology for Ecology, Economy, and Energy
37. The first Scientific Policy Resolution in India was adopted in the year -
- (a) 1971 (b) 1949
(c) 1958 (d) 1963
38. COVAXIN, India's first indigenous Covid-19 vaccine was developed by-
- (a) Serum Institute of India in collaboration with Indian Council of Medical Research
(b) Bharat Biotech in collaboration with Indian Council of Medical Research
(c) Pfizer in collaboration with Indian Council of Medical Research
(d) Eli Lilly and company in collaboration with Indian Council of Medical Research
39. In Mizo folktales, a well-known magical object called 'Bahhnukte' is found in -
- (a) Rairahtea thawnthu (b) Chhura leh Naa thawnthu
(c) Nuchhimi thawnthu (d) Sichangneii thawnthu
40. In Mizo folktales, anthropomorphosis is found in -
- (a) Samdala (b) Keimi
(c) Tlingi leh Ngama (d) Laltheri leh Chalthanga
41. Which one of the following is associated with Lallula?
- (a) Khawnglung run (b) Khuanglung run
(c) Chhim leh hmar indo (d) Thlanrawn rawt
42. In traditional Mizo society, public holiday is used to observe on the occasion of -
- (a) Buh seng (b) Kang ral
(c) Lo vah (d) Rammut
43. The first Mizo chief who freed all of his slaves in 1910 was -
- (a) Khawvelthanga (b) Khamliana
(c) Lalluaia (d) Lalruma
44. Which one of the following is correct pair?
- (a) Tumchhingi leh Raldawna (b) Chawngvungi leh Hrangchhuana
(c) Chawngmawii leh Zawlpala (d) Lasiri leh Neihlala
45. In traditional Mizo society the religious rite 'Kawngpui siam' is observed every year before the commencement of -
- (a) Pawl kut (b) Mim kut
(c) Chapchar kut (d) Khuangchawi
46. The starting day of slashing down trees for jhum plot in traditional Mizo society is called -
- (a) Vahsan lak ni (b) Mangchhal ni
(c) Ram tuk ni (d) Chawn do ni

47. It was a customary on the part of the bride to bring along with -
 (a) pawnpui and thul (b) pawnpui and chem
 (c) thul leh chempui (d) fian and thlengpui
48. In Mizo marriage, the principal bride price is known as -
 (a) Sum zan lut (b) Pu sum
 (c) Sumpui (d) Manpui
49. In Mizo divorce or separation, when the husband brings in another woman, it is called -
 (a) Kawngka sula mak (b) Peksachang
 (c) Sumchhuah (d) Sumlaitan
50. According to Mizo traditional knowledge system of stars, 'Khangte Zawngzim' referred to -
 (a) Taurus (b) Great Bear
 (c) Saturn (d) Pleiades
51. A person who select the best jhumming site during the traditional Mizo society was called -
 (a) Val upa (b) Ramhual
 (c) Puithiam (d) Thirideng
52. The famous East- West War called 'Chhak leh Thlang Indo' was fought between -
 (a) Vanhnuailiana vs Thawmvunga (b) Lallianvunga vs Lalpuithanga
 (c) Vuta and Manga vs Lalsavunga (d) Rolura vs Vuta
53. Aizawl Theological School was established in the year -
 (a) 1902 (b) 1907
 (c) 1909 (d) 1919
54. The first Lower Primary Examination in Mizoram was held in -
 (a) June 25, 1903 (b) July 8, 1906
 (c) December 2, 1906 (d) April 10, 1909
55. A Monograph on Lushai Customs and Ceremonies was written by -
 (a) J.Shakespear (b) A.S.Reid
 (c) N.E.Parry (d) McCall
56. The State Flower of Mizoram is -
 (a) Rhynchosytilis Retusa (b) Red Vanda
 (c) Aerides Odorata (d) Liliun Mackliniae
57. A cave found in Phawngpui tlang was -
 (a) Tialpa puk (b) Sur puk
 (c) Tialpari puk (d) Pukzing
58. The first recipient of the Padma Shri Award among the women from Mizoram was -
 (a) Khawlkungi (b) Nuchhungi Renthlei
 (c) Buangi Sailo (d) Lalsangzuali Sailo
59. Puma Zai was replaced by -
 (a) Tlanglam zai (b) Chawngchen zai
 (c) Nilen zai (d) Dawn zai

60. Role of Rev L. Evans in Mizo history was -
 (a) The first president of Young Lushai Association
 (b) The first Editor of Mizo Chanchin Laisuih
 (c) The first Editor of Mizo leh Vai Chanchinbu
 (d) The first Editor of Kristian Tlangau
61. In which of the following year was Mizo District Council inaugurated?
 (a) 25 February, 1951 (b) 25 April, 1952
 (c) 25 May, 1953 (d) 25 April, 1954
62. The number of Mizos who went to France in connection with the First World War was -
 (a) 2000 (b) 2100
 (c) 2150 (d) 2200
63. The first Indian to take over as Superintendent of Lushai Hills was -
 (a) S.N.Barkataki (b) Brojo Nath Saha
 (c) GN Bardoloi (d) Rup Nath Brahma
64. The Mizo musical instrument Tumphit produced _____ different notes.
 (a) Three (b) Four
 (c) Five (d) Six
65. Who among the following is the recipient of Rokunga Award, 2024?
 (a) C.Chhuanvawra (b) C.Laizawna
 (c) B.Lalthangliana (d) C.Thangmawia
66. The signatories of Memorandum of Settlement (Mizoram Accord) were -
 (a) Lalkhama, Laldenga, R.D.Pradhan (b) Lalthanhawla, Laldenga, R.D.Pradhan
 (c) Laldenga, Lalkhama, Giani Zail Singh (d) Laldenga, Lalkhama, Charan Singh
67. The Union Territory of Mizoram was inaugurated by -
 (a) Rajiv Gandhi (b) Indira Gandhi
 (c) PV Narasimha Rao (d) Morarji Desai
68. Grouping of villages was introduced in Mizoram from -
 (a) 1966 (b) 1968
 (c) 1967 (d) 1969
69. A girl who fell in love with serpent in Mizo folktale is -
 (a) Kungawrhi (b) Tumchhingi
 (c) Ngaiteii (d) Chawngchilhi
70. Sibuta Lung is situated at the outskirts of -
 (a) Maubuang village (b) Muallungthu village
 (c) Samlukhai village (d) Tachhip village
71. When an infant died at or soon after birth, it was known as -
 (a) Awmlai thi (b) Sar thi
 (c) Raicheh (d) Hlamzuih
72. The Pilgrim's Progress was translated into Mizo language by -
 (a) Liangkhaia (b) Chuaautera
 (c) Chhuahkhama (d) Challiana

73. For selection of new site or village -

- (a) It must be selected by ramhual and sadawt by sleeping one night at the propose site taking with them with a cock. If the cock crow before dawn, the site would be considered suitable.
- (b) It must have to be selected by the elders which they did by sleeping one night at the propose site taking with them a cock. If the cock did not crow before dawn, the site would be considered not suitable.
- (c) It must have to be selected by only 'ramhual' which they did by sleeping one night at the propose site taking with them a cock. If the cock did not crow before dawn, the site would be considered not suitable.
- (d) It must have to be selected by the group of young men which they did by sleeping one night at the propose site taking with them a cock. If the cock did not crow before dawn, the site would be considered not suitable.

74. In 'hnuaipui' sacrifice,

- (a) a full grown female pig was killed
- (b) a young pig was killed
- (c) mithun was killed
- (d) a full grown hen was killed

75. Rev. William Williams arrived Mizoram in the year -

- (a) 1890
- (b) 1891
- (c) 1892
- (d) 1893

76. Choose that set of numbers from the four alternatives sets that is similar to the given set.

(6 : 12 : 18)

- (a) (4 : 8 : 14)
- (b) (12 : 24 : 36)
- (c) (6 : 20 : 26)
- (d) (30 : 36 : 45)

77. 2, 9, 28, 65, ?

- (a) 121
- (b) 195
- (c) 126
- (d) 103

78. In the given series, one of the terms in the number series is wrong. Find out the wrong term.

30, 27, 36, 45, 72

- (a) 30
- (b) 27
- (c) 36
- (d) 72

79. Find the one that does not belong to the series:

6, 12, 21, 32, 45, 60

- (a) 6
- (b) 12
- (c) 21
- (d) 32

Directions (Question No. 80): Find out the missing number from the following which have been arranged according to an identical pattern.

80.

92	70	48
64	53	42
52	45	?

- (a) 36
- (b) 40
- (c) 38
- (d) 42

81. Choose the number which is different from others.
- (a) 144 (b) 216
(c) 343 (d) 125
82. Choose the odd one out from the numbers given
- (a) 523 (b) 121
(c) 324 (d) 729
83. The next number in the sequence will be?
1, 3, 9, 15, 25, 35, 49,
- (a) 61 (b) 63
(c) 65 (d) 81
84. Find the word which holds the same relation with the third word as there is between the first two words.
Oxygen : Burn :: Carbon dioxide : ?
- (a) Isolate (b) Foam
(c) Extinguishes (d) Explode
85. Arrange the following letters of each group to make a meaningful word and then find the odd one out.
- (a) GHIET (b) VEENS
(c) ORFU (d) VIDEID
86. Identify the pair which 'does not' exhibit the same relationship as the capitalized pair:
Etymology : Words
- (a) Psychology : Mind (b) Anatomy : Body
(c) Philosophy : Language (d) Archeology : Antiques
87. If Water is called food, food is called tree, tree is called sky, sky is called wall, on which of the following grows a fruit?
- (a) Water (b) Tree
(c) Wall (d) Sky
88. Choose the antonym of Abate:
- (a) Enlarge (b) Decrease
(c) Decline (d) Slow

Directions (Question Nos. 89 & 90) : Read the following passage and answer the two (2) questions that follow the passage. Your answer to these questions should be based on the passage only.

In general, religious traditions stress our duty to God, or to some universal ethical principle. Our duties to one another derive from these. The religious concept of rights is primarily derived from our relationship to this divinity or principle and the implication it has on our other relationships. This correspondence between rights and duties is critical to any further understanding of justice. But, for justice to be practiced; virtue, rights and duties cannot remain formal abstractions. They must be grounded in a community (common unity) bound together by a sense of common union (communion). Even as a personal virtue, this solidarity is essential to the practice and understanding of justice.

89. With reference to the passage, the following assumptions have been made:

1. Human relationships are derived from their religious traditions
2. Human beings can be duty bound only if they believe in God
3. Religious traditions are essential to practice and understand justice

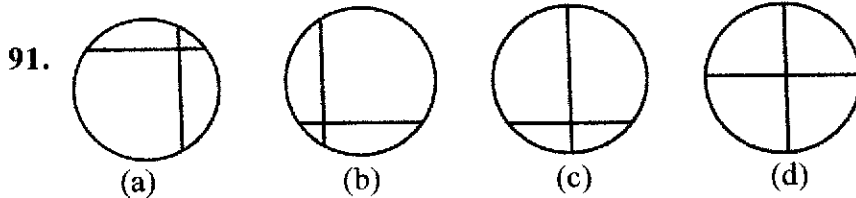
Which of these assumption(s) is/are valid?

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

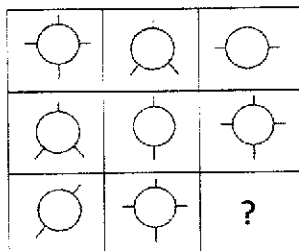
90. Which one of the following is the crux of this passage?

- (a) Having relationships to the divine principle is a great virtue
- (b) Our duties to one another derive from our religious traditions
- (c) Religious concepts of rights is primarily derived from our relationship to God
- (d) Balance between rights and duties is crucial to the delivery of justice in a society

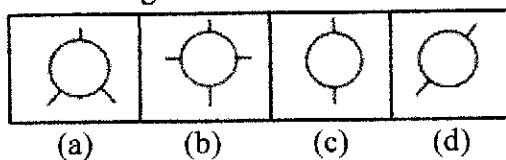
Directions (Question No. 91): Choose the figure which is different from others in which three figures are similar in a certain manner:



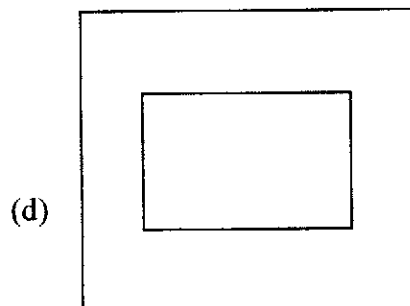
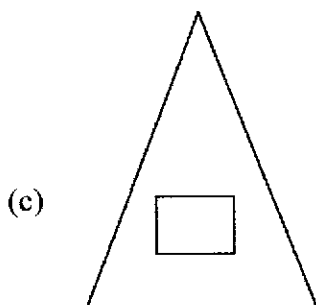
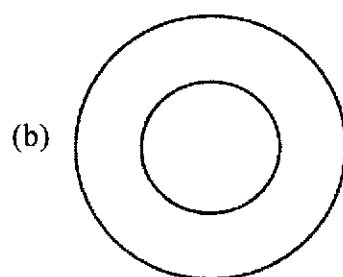
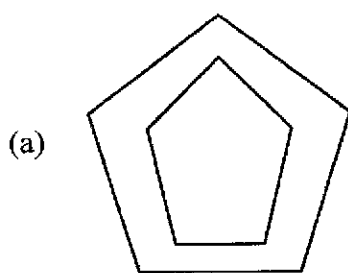
92. Complete the figure matrix from the answer figures:



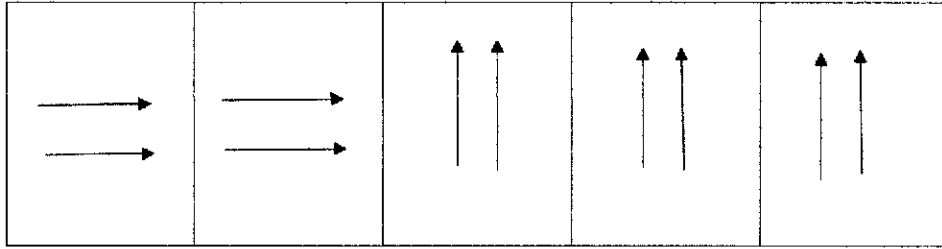
Answer Figures:



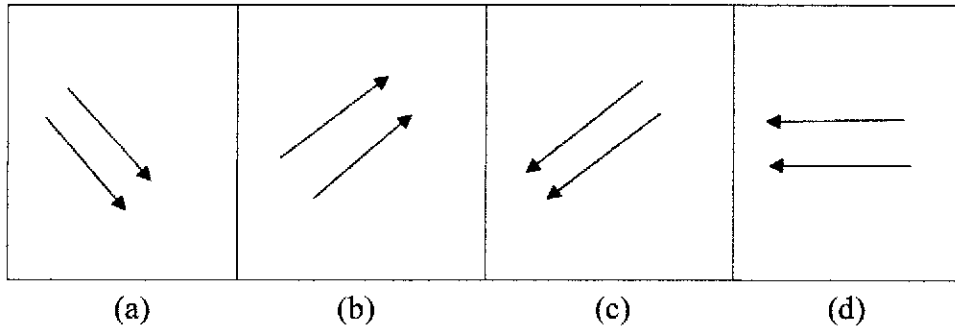
93. Which one of the following is different from the rest?



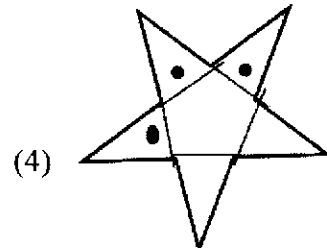
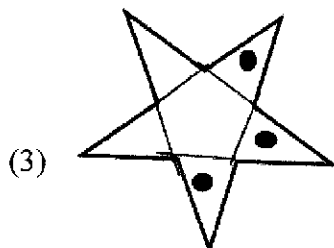
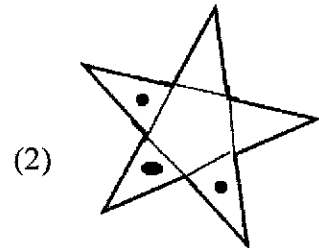
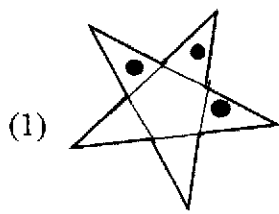
94. Problem Figures:



Answer Figures:



95. Consider the figures given below:



Answer Figures:

