

5. What is implied by "pay small heed to the holy days" ?
- (1) The narrator contributes very little money to religious organizations
 - (2) The narrator rarely observes Jewish holy days
 - (3) Judaism is a large part of the narrator's identity
 - (4) The narrator is not Jewish
6. "My grandfather's father owned a liquor store and was very religious" is a :
- (1) simple sentence
 - (2) complex sentence
 - (3) compound sentence
 - (4) complex - compound sentence
7. "Though my grandparents and great grandparents were born in Austria, I am not Austrian" is a :
- (1) complex sentence
 - (2) compound sentence
 - (3) complex - compound sentence
 - (4) simple sentence
8. The author's great grandfather was a :
- (1) priest
 - (2) teacher
 - (3) principal
 - (4) shop owner
9. The word 'innately' means :
- (1) naturally
 - (2) deeply
 - (3) secretly
 - (4) intimately
10. 'Belonging' in the sentence "Belonging to this religion is a cultural heritage as well as faith" is :
- (1) Gerund
 - (2) Present Participle
 - (3) Past Participle
 - (4) Noun

SECTION-II : LOGICAL AND ANALYTICAL REASONING

Directions : In the following questions you are given a series with one term missing. Select the missing term from the given options :

11. 1, X, 5, T, 9, P, 13, ___?

- (1) 15 (2) L (3) 17 (4) J

12. 8, 15, 29, 57, ___?

- (1) 99 (2) 101 (3) 103 (4) 113

13. 2, 4, 16, ___?, 65536

- (1) 64 (2) 96 (3) 256 (4) 4096

14. A, E, ___?, O, U

- (1) I (2) F (3) H (4) L

15. 0200, 1202, 2204, 3309, ___?

- (1) 3412 (2) 4416 (3) 5305 (4) 4406

16. Some leaders are dishonest. Satya Prakash is also a leader. Based on these statements, which one of the following inferences can be definitely correct ?

- (1) Satya Prakash is honest. (2) Satya Prakash is dishonest.
(3) Some leaders are honest. (4) Leaders are mostly dishonest.

17. If Tuesday falls on the fourth of the month, then the day that dawns three days after the 24th will be :

- (1) Thursday (2) Wednesday (3) Tuesday (4) Saturday

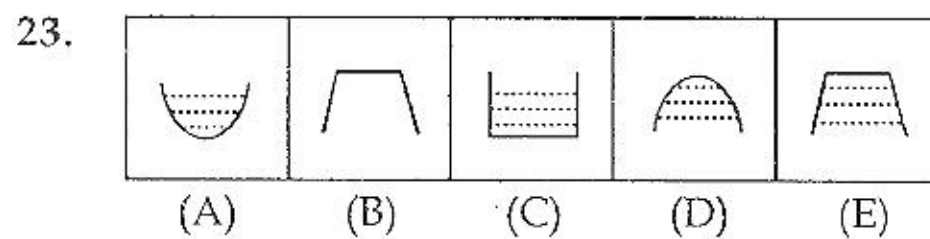
Directions : (18 - 22)

In the following questions (18 - 22) there are groups of four letters in some order, one of them does not follow the same order. Identify the same.

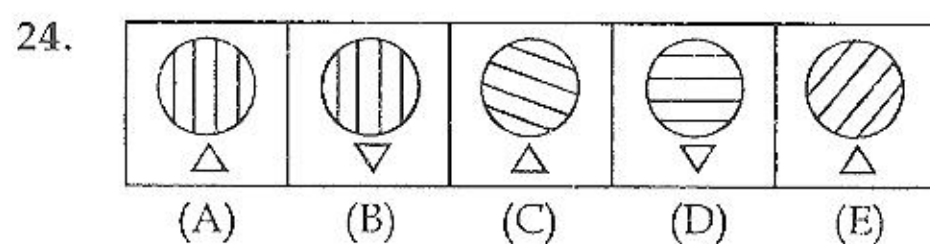
18. (1) IKMO (2) QSUW (3) YACE (4) GITO
19. (1) WXDC (2) PQKJ (3) TVGF (4) NOML
20. (1) PQRS (2) LMOP (3) DEFG (4) YZAB
21. (1) ALBK (2) LOMN (3) EVFU (4) GTHR
22. (1) EUHS (2) AYCW (3) CWEU (4) DVFT

Directions : (23 - 26)

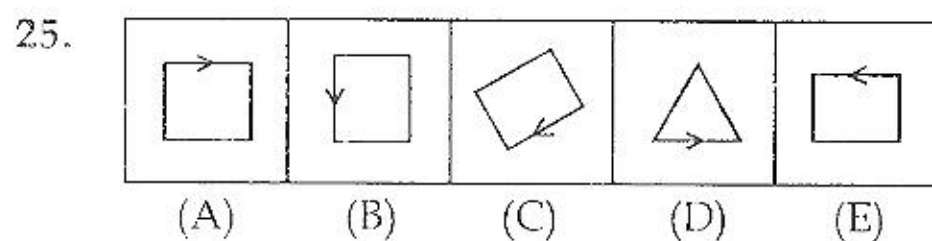
In each of the following questions, there are five figures marked A, B, C, D, E. A and other three have some common elements/characteristics. Select the odd figure.



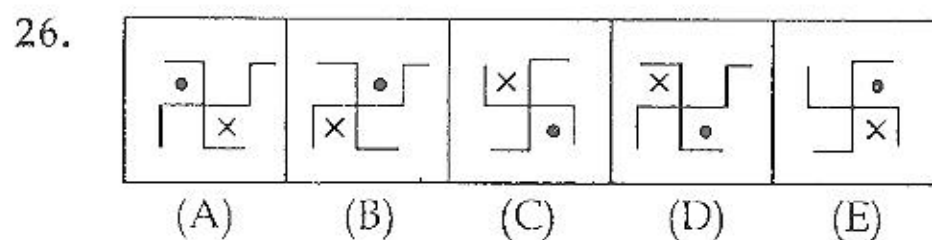
- (1) C (2) B (3) E (4) D



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



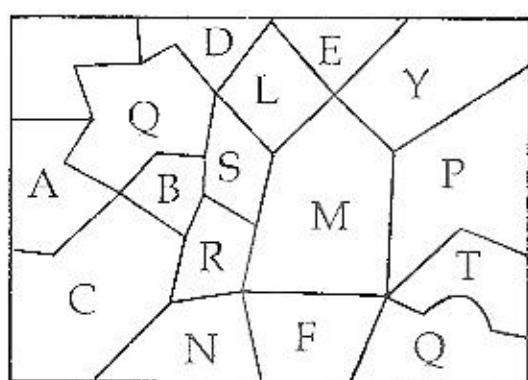
- (1) B (2) C (3) D (4) E



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

Directions : (27 - 30)

Based on the given diagram, answer the following questions :



27. Which area has nine boundary lines ?
 (1) C (2) Q (3) M (4) B
28. Which area has boundaries of equal length ?
 (1) C (2) F (3) L (4) None
29. Which area has five boundary lines ?
 (1) D (2) P (3) C (4) None
30. Which areas share a curved boundary ?
 (1) Q, T (2) N, R (3) F, N (4) N, F

38. Which of the following states has a literacy rate above 90 percent ?
(1) Mizoram (2) Kerala
(3) Tamilnadu (4) Himachal Pradesh
39. When you rub together two blocks of ice the immediate effect will be that :
(1) They melt faster (2) They stick together
(3) They become hard (4) The temperature will decrease
40. A fresh egg sinks in pure water but floats in saline water because :
(1) Saline water is lighter than pure water
(2) Saline water is denser than pure water
(3) Surface tension of saline water is lower than pure water
(4) Viscosity of saline water is higher than that of pure water
41. Bile secreted by the liver gets stored in the :
(1) Liver itself (2) Spleen
(3) Duodenum canal (4) Gall bladder
42. Which is the largest fishing ground in the world ?
(1) Japan sea (2) North East Pacific
(3) North sea (4) New found land waters
43. Which of the following peaks is not situated in the Himalayan range ?
(1) Dhaulagiri (2) Nanda Devi
(3) Godwin Austin (4) Kanchenjunga
44. Radhakrishnan commission had focussed on :
(1) Higher Education (2) Higher Secondary Education
(3) Secondary Education (4) Elementary Education
45. A committee headed by Malcom Adisheshaiya looked into various aspects of :
(1) Higher Education and Research (2) Vocational Education
(3) Secondary Education (4) Elementary Education
46. National Curriculum Framework (NCF 2005) lays emphasis on :
(1) Behaviourism (2) Naturalism (3) Pragmatism (4) Constructivism
47. National Policy on Education 1986 had recommended establishing :
(1) Institutes for Vocational Education
(2) State Councils of Educational Research and Training
(3) District Institutes of Education and Training
(4) Institutes of Technical Training

PART-A

SECTION-IV : TEACHING-LEARNING AND THE SCHOOL

56. Curriculum in schools means :
- (1) all the educative experiences under the school's jurisdiction
 - (2) all the subjects offered by the school
 - (3) all the learning experiences provided in the class
 - (4) all the academic works undertaken in schools and communities
57. Which of the following reflects autocratic style of leadership ?
- (1) the subordinates are asked for suggestions by the leader
 - (2) the leader's domination is accepted by the subordinates
 - (3) leader is considerate while framing policies
 - (4) the subordinates use intelligent criticism in participating in policy-making
58. Integration of subject matter content can be done at :
- (1) elementary level only
 - (2) secondary level only
 - (3) senior secondary level only
 - (4) all the above levels
59. A child with problems is generally one who :
- (1) has no brother or sister at home.
 - (2) is maladjusted
 - (3) has a poor environment
 - (4) has low intelligence
60. In orienting a newly admitted student in the school, teacher should :
- (1) place the emphasis upon school rules
 - (2) avoid talking about school expectations
 - (3) utilize the services of class mates to familiarize her/him with the school
 - (4) employ a fixed content weekwise and monthwise
61. Which of the following statement is the most questionable as applied to student's appraisal ?
- (1) Appraisal validity is possible inspite of weaknesses in tests
 - (2) Student's behaviour must be related to his/her total performance
 - (3) Student's appraisals are samples of the total personal achievements
 - (4) Appraisal should be integrated and not dependent on isolated components

62. Which one would be the most effective model in facilitating learning ?
- (1) a sound and visual film
 - (2) a visual film with teacher's explanation
 - (3) a sound tape with teacher's notes
 - (4) all the above are equally effective
63. Physical punishment in schools has been banned because :
- (1) it may create a trauma among students.
 - (2) students do not like it.
 - (3) parents reject it.
 - (4) it has negative impact on learning.
64. What should be the primary objective of introducing sports in schools ?
- (1) Developing a spirit of competition
 - (2) Supplementing cognitive development of learner
 - (3) Providing opportunities for psycho motor development
 - (4) Developing physical strength
65. Why should there be discipline in the class ?
- (1) Children should realize the benefits of an organised and orderly world
 - (2) Children should accept the authority of teacher
 - (3) Children should feel that it is mandatory
 - (4) It will help them in case they choose to become teacher
66. Why must the teacher be concerned about children's activities outside the school ?
- (1) The children are often interested in out - of - school activities.
 - (2) The children are likely to learn bad habits.
 - (3) Somebody other than parents should watch out - of - school activities.
 - (4) The children also learn through out-of-school experiences.
67. Which of the following is **not** a valid reason for limited use of radio/television for educational purposes in schools ?
- (1) All subject matter does not lend itself to its use.
 - (2) Students are not allowed to access it at home.
 - (3) We have been slow to produce such programmes.
 - (4) Many parents have reservations about its use.

68. Which one of the following is the most crucial task of a teacher ?
- (1) Communicating to learners (2) Transmitting knowledge
(3) Promoting quality learning (4) Managing the class
69. To the teacher of the next grade, transfer of learning means :
- (1) adjustment (2) maturity (3) retention (4) readiness
70. It can safely be assumed that a student understands a principle when she/he can :
- (1) give more examples of it
(2) use it in solving problems to which it applies
(3) recognize it again when she/he encounters again
(4) recall the principle as and when asked
71. One of the most important way of fostering problem solving ability among learners is :
- (1) to provide them with formal, reasoning techniques
(2) to keep them busy in 'stiff' academic courses
(3) to refuse to accept pat answers
(4) to stimulate the formation of a critical attitude
72. Which of the following comes first in the sequence of attaining a concept ?
- (1) abstraction (2) differentiation
(3) experiencing (4) generalization
73. Desirable attitudes can be developed most effectively through ;
- (1) meaningful participation in worthwhile activities influencing attitudes
(2) experience with the object of attitude
(3) identification with proper heroes
(4) emphasis upon social and moral concepts
74. A teacher while introducing a new subject to her/his class for the first time should :
- (1) Begin the first lesson without wasting time
(2) Give the class a broad outline of the subject
(3) Check the previous grades of students
(4) Check the previous knowledge of students

75. Which of the following methods of study, is the most likely to result in efficient use of time ?
- (1) taking time to react to what is being studied
 - (2) arranging the details into some structural framework
 - (3) comprehending the meaning before attempting to memorize
 - (4) mastering completely each concept before proceeding to next
76. Which of the following would constitute an adequate way of dealing with the gifted child ?
- (1) giving them double promotions
 - (2) using them as class leaders
 - (3) leaving them to find things of their own interest
 - (4) None of the above is adequate
77. Which of the following would be the best way to develop value-cooperation ?
- (1) organising a camp for one month
 - (2) organising lectures on the topic
 - (3) organising cultural programme
 - (4) presenting a model
78. In order to develop a good rapport with students a teacher should :
- (1) be friendly with them
 - (2) pay individual attention
 - (3) love all student equally
 - (4) communicate effectively
79. While using AV aids in the class room, what should be the guiding principle for its selection ?
- (1) relevance
 - (2) availability
 - (3) usability
 - (4) all the above
80. The most important cause of teacher failure in discipline in class is the teacher's lack of :
- (1) competence in teaching methods
 - (2) knowledge of his/her subject
 - (3) a constructive program of meaningful things to be learned
 - (4) knowledge of educational psychology

1 2 3 4 5 6 7 8 9 10
SECTION-V (i) : SCIENCE

81. What happens, when dilute hydrochloric acid is added to iron fillings ?
(1) Hydrogen gas and iron (II) chloride are produced.
(2) Chlorine gas and iron hydroxide are produced.
(3) No reaction takes place.
(4) Iron salt and water are produced.
82. Which one of the following types of medicines is used for getting relief from pain ?
(1) Antibiotic (2) Analgesic (3) Antacid (4) Antiseptic
83. In a neuron, conversion of electrical signal to chemical signal occurs in/at :
(1) cell body (2) axon terminal (3) dendrites (4) axon
84. Which of the following terms does not represent electrical power in a circuit :
(1) I^2R (2) IR^2 (3) VI (4) V^2/R
85. The two forms of energy released by a tungsten filament used in a bulb are :
(1) electrical and light (2) light and heat
(3) heat and electrical (4) electrical only
86. Acid rain is caused by the oxides of :
(1) sulphur (2) carbon (3) nitrogen (4) all of the above
87. Fuel used in thermal power plant is :
(1) water (2) uranium (3) biomass (4) fossil fuel
88. A well stained leaf peel mount, when observed under the high power of microscope shows nuclei in :
(1) only epidermal cells (2) only guard cells
(3) guard cells and epidermal cells (4) guard cells, epidermal cells and stoma
89. While cooking, if the bottom of the vessel is getting blackened on the outside, it means that :
(1) the food is not cooked completely.
(2) the fuel is not burning completely.
(3) the fuel is wet.
(4) the fuel is burning completely.
90. Yeast multiplies by :
(1) multiple fission (2) binary fission
(3) budding (4) cyst formation

- (1) Directly proportional to the weight of dry raisins
(2) Inversely proportional to the weight of dry raisins.
(3) Equal to the weight of dry raisins.
(4) None of these.
92. According to the Law of Reflection :
- (1) The angle of incidence is equal to the angle of reflection.
(2) The angle of incidence is double the angle of reflection.
(3) The angle of reflection is double the angle of incidence.
(4) None of the above.
93. The characters transmitted from parents to offsprings are present in :
- (1) cytoplasm (2) ribosome (3) golgi bodies (4) genes
94. The branch of biology dealing with the transmission of characters from one generation to other is termed as :
- (1) Mycology (2) Genetics (3) Anatomy (4) Physiology
95. The SI unit of converging ability of a lens is :
- (1) cm (2) m (3) dioptre (4) power
96. An alloy is :
- (1) an element (2) a compound
(3) a homogenous mixture (4) a heterogenous mixture
97. The fossil remains of Archaeopteryx is a connecting link between :
- (1) reptiles and mammals (2) reptiles and birds
(3) fish and amphibian (4) amphibian and reptile
98. A pacemaker is meant for :
- (1) transplanting liver (2) transplanting heart
(3) regulation of heart beats (4) regulation of blood flow
99. Renewable energy is preferred over the conventional energy as they are :
- (1) non-exhaustible (2) costly
(3) highly efficient (4) none of these
100. The pH of the gastric juices released during digestion is :
- (1) less than 7 (2) more than 7
(3) equal to 7 (4) equal to 0

PART-B

SECTION-V (ii) : MATHEMATICS

101. The value of $\frac{1}{\sqrt{2} + \sqrt{3} - \sqrt{5}} + \frac{1}{\sqrt{2} - \sqrt{3} - \sqrt{5}}$ is :
- (1) $\frac{1}{\sqrt{2}}$ (2) $\frac{1}{\sqrt{3}}$ (3) $\frac{1}{\sqrt{5}}$ (4) 1
102. How many numbers between 1 and 1000 contain all the numbers 2, 3, 4, 5, 6 as factors ?
- (1) 20 (2) 18 (3) 16 (4) 12
103. The value of $\frac{(0.734)^2 - (0.266)^2}{.468}$ is :
- (1) 1.010 (2) 1.000 (3) 1.001 (4) 1.100
104. A manufacturer sells a pen to a wholesaler at a profit of 18%, the wholesaler sells it to a retailer at a profit of 20%. The retailer sells it to a customer at a profit of 25%. If the customer pays Rs. 35.40, the cost of the manufacturer is :
- (1) Rs. 15 (2) Rs. 17 (3) Rs. 20 (4) Rs. 22
105. There are 600 men in a fort. If each one of them is given 180 g of ration daily, there is ration enough for 35 days. If 300 men are increased and the ration is decreased to 150 g daily, the number of days for which the ration will be sufficient now is :
- (1) 30 days (2) 28 days (3) 25 days (4) 24 days
106. The difference between compound and simple interest on a certain sum for 3 years at 10% is Rs. 31. The sum is :
- (1) Rs. 1500 (2) Rs. 1200 (3) Rs. 1000 (4) Rs. 800
107. An article is sold for Rs. 400 cash down or Rs. 100 cash and three monthly instalments of Rs. 105 each. The rate of interest under instalment plan is :
- (1) 30.77% (2) 32.70% (3) 33% (4) 35%

108. A student has to obtain 40% marks to pass the examination. He secures 40 marks and fails by 20 marks. The total marks for the examination are :
- (1) 180 (2) 160 (3) 150 (4) 125
109. If a cyclist moves at 24 km per hour, he reaches his destination 5 minutes too late and if he cycles at 30 km per hour, he reaches his destination 4 minutes too soon. The distance the cyclist covers is :
- (1) 15 km (2) 18 km (3) 20 km (4) 22 km
110. The value of $\frac{\tan 45^\circ}{\operatorname{cosec} 30^\circ} + \frac{\sec 60^\circ}{\cot 45^\circ} - \frac{5 \sin 90^\circ}{2 \cos 0^\circ}$ is :
- (1) 1 (2) -1 (3) 0 (4) 2
111. The value of $(\cos\theta - \sin\theta)^2 + (\cos\theta + \sin\theta)^2$ is :
- (1) 2 (2) -2 (3) 1 (4) 0
112. If from a point 20 m away from the foot of a tower, the angle of elevation of the top of the tower is 30° , then the height of the tower is :
- (1) $20\sqrt{3}$ m (2) $\frac{20}{\sqrt{3}}$ m (3) $10\sqrt{3}$ m (4) $\frac{10}{\sqrt{3}}$ m
113. In a mixture of 35 litres, the ratio of milk and water is 5 : 2. Another 5 litres of milk is added to the mixture. The ratio of milk and water in the new mixture is :
- (1) 3 : 1 (2) 1 : 3 (3) 2 : 3 (4) 3 : 2
114. If the radius of its circumcircle of a right angled triangle is 3 cm and altitude drawn to the hypotenuse is 2 cm, its area would be :
- (1) 12 sq. cm (2) 9 sq. cm (3) 6 sq. cm (4) 4 sq. cm

115. Three cubes each of volume 125 cm^3 are joined end to end to form a cuboid. The surface area of the resulting cuboid is :
- (1) 350 cm^2 (2) 300 cm^2 (3) 175 cm^2 (4) 150 cm^2
116. A spherical ball of diameter 21 cm is melted and recasted into cubes each of side 1 cm , the number of cubes thus formed is :
- (1) 693 (2) 809 (3) 1617 (4) 4851
117. The mean of 5 numbers is 18. If one number is excluded, their mean is 16. The excluded number is :
- (1) 90 (2) 64 (3) 26 (4) 80
118. Three unbiased coins are tossed. The probability of obtaining at least two tails is :
- (1) $\frac{1}{8}$ (2) $\frac{3}{8}$ (3) $\frac{1}{2}$ (4) $\frac{1}{4}$
119. The circumcentre of a triangle whose vertices are $(-2, -3)$, $(-1, 0)$, $(7, -6)$ is :
- (1) $(3, -3)$ (2) $(3, -2)$ (3) $(-3, 2)$ (4) $(2, -2)$
120. The 6th term from the end of an Arithmetic Progression (A. P.) $17, 14, 11, \dots, -40$ is equal to :
- (1) -21 (2) -25 (3) -22 (4) -24

PART-B
SECTION-V (iii) : SOCIAL SCIENCE

Choose the correct answer out of the four :

121. Which type of the forest belt supplies most of the world's requirement of Newsprint ?
(1) Evergreen forest (2) Deciduous forest
(3) Coniferous forest (4) Mediterranean forest
122. Who were the first of the kings to issue gold coins in India ?
(1) Mauryas (2) Indo Greeks (3) Guptas (4) Kushans
123. Dhai-Din-Ka-Jhopra at Ajmer was constructed by :
(1) Sher Shah Suri (2) Qutb-ud-Din Abak
(3) Jalaludin-Firoz-Khilzi (4) Balban
124. In which of the following countries Gramin Bank (known as the Bank of the Poor) is based :
(1) Pakistan (2) Sri Lanka (3) India (4) Bangladesh
125. In which of the following states, the anti defection law was enacted in 1979 ?
(1) Kerala (2) Jammu and Kashmir
(3) West Bengal (4) Tamil Nadu
126. As per India Protocol who among the following ranks is the highest in the order of protocol ?
(1) Deputy Prime Minister
(2) Former President
(3) Governor of a state within the state
(4) Speaker of Lok Sabha
127. Who was Nagarjuna ?
(1) Indian Emperor (2) a Vedic rishi
(3) a Jain Monk (4) a Budhist Philosopher

128. What are 'teaser loan rates' charged by banks ?

- (1) Fixed rate of interest charged by banks
- (2) Floating rate of interest charged by banks
- (3) Rate of interest in the initial period is less and goes up subsequently
- (4) Rate of interest in the initial period is more and it goes down subsequently

129. Who amongst the following has asked Banks to adopt 'Six Steps' approach to prevent diversion of funds by the companies ?

- (1) Company Registrar
- (2) SEBI
- (3) RBI
- (4) AMFI

130. The only viceroy to be assassinated in India was :

- (1) Lord Hardings
- (2) Lord Northbrooke
- (3) Lord Ellenborough
- (4) Lord Mayo

131. According to the Constitution of India the term 'District judge' shall not include :

- (1) Chief Presidency Magistrate
- (2) Session judge
- (3) Tribunal judge
- (4) Chief judge of a small cause court

132. Despite being a Republican state, India is a member of the Common-Wealth of Nations whose Head is the British Monarch. This is because :

- (1) The membership does not affect the sovereign nature of the Indian Republic
- (2) This membership only shows that the British ruled over India
- (3) Members of the Association are sovereign and independent
- (4) It is a symbol of the unity among British dominated nations.

133. When was the New Liberalised Industrial Policy announced in India ?

- (1) 1989
- (2) 1990
- (3) 1991
- (4) 1992

134. The punch line 'we invest in your dreams' is of which of the following banks ?
- (1) Jammu and Kashmir Bank (2) Punjab National Bank
(3) State Bank of India (4) UTI Bank
135. The homeland of Yakuts is :
- (1) Iran (2) Russian Tundra (3) Kenya (4) North India
136. The crystal layer of the earth is also called :
- (1) Sial (2) Sima (3) Moho (4) Nife
137. Which layer of the atmosphere maintains an almost uniform temperature ?
- (1) troposphere (2) tropopause
(3) stratosphere (4) ionosphere
138. What is meant by the term 'Cirrus' ?
- (1) a low cloud (2) a high cloud
(3) a rain bearing cloud (4) a hail bearing cloud
139. The Title Vikramaditya was assumed by :
- (1) Ashoka (2) Chandraputa - II
(3) Kanishka (4) Samudragupta
140. Who has been referred to as the conscience keeper of Gandhiji ?
- (1) C. Rajgopalachari (2) R. Tagore
(3) V. Patel (4) G.K. Gokhale

SECTION-V (iv) : ENGLISH

Choose the most appropriate response out of the four choices given after every question.
Each question carries one mark.

141. The phrase 'Hobson's choice' means :

- (1) a predetermined pick falsely offered as an option
- (2) an improbable stroke of luck
- (3) an avoidable mistake
- (4) a choice one can take from the given options

142. The phrase 'mare's nest' mean :

- (1) comfortable surroundings
- (2) a chaotic state
- (3) unattainable destination
- (4) a deceptive discovery

143. A doctor who specialises in the treatment of eyes is called :

- (1) cardiologist
- (2) neurologist
- (3) ophthalmologist
- (4) orthopaedist

144. Choose the correctly spelt word :

- (1) seudonym
- (2) sudonym
- (3) pseudonym
- (4) psudonym

145. Choose the correctly spelt word :

- (1) alliance
- (2) alianse
- (3) allianse
- (4) alianse

146. The indirect form of the sentence :

Sheela asked her son, "Where is your school bag ?"

- (1) Sheela asked her son where is your school bag.
- (2) Sheela asked her son where his school bag was.
- (3) Sheela asked her son where his school bag is.
- (4) Sheela asked her son where is his school bag.

147. The indirect form of the sentence
Malik said, " I went to Europe last year".
- (1) Malik said that I went to Europe last year.
 - (2) Malik said that he went to Europe last year.
 - (3) Malik said he had gone to Europe last year.
 - (4) Malik said that I had gone to Europe last year.

148. The passive voice of "I have finished my work" is :
- (1) My work is finished.
 - (2) My work has been finished.
 - (3) My work have finished by me.
 - (4) My work has been finished by me.

149. The active voice of "Amit was punished by his teacher for not doing his home work".
- (1) Amit punished his teacher for not doing his home work.
 - (2) Amit not doing his homework was punished by his teacher.
 - (3) Amit's teacher punished him for not doing his homework.
 - (4) His teacher punished Amit not doing his home work.

Directions : (150 - 152)

In questions 150-152, choose the most appropriate words to fill in the blanks.

150. Sarika _____ to go home next month.
- (1) have
 - (2) will
 - (3) had
 - (4) has
151. I met my friend _____ thirty years.
- (1) since
 - (2) from
 - (3) after
 - (4) till
152. Marco Polo _____ on his journey to China with his uncle.
- (1) set off
 - (2) set back
 - (3) set by
 - (4) set about
153. In which of the following plays of Shakespeare Portia was the heroine ?
- (1) Hamlet
 - (2) King Lear
 - (3) The Merchant of Venice
 - (4) Othello
154. Who wrote the poem 'Rime of the Ancient Mariner' ?
- (1) Keats
 - (2) Coleridge
 - (3) Wordsworth
 - (4) Shelley

