

CONCEPT APPLICATION LEVEL - II

Direction (Q.1 to Q.5) : The graph in figure depicts the temperature recorded at difference times of a day of a particular city. Observe the graph and select the correct answer for the given four alternative answer

Q.1 Maximum temperature was recorded at

- (A) 5 a.m.
- (B) 7 a.m.
- (C) 9 a.m.
- (D) 1 p.m.

Q.2 60° temperature was recorded at

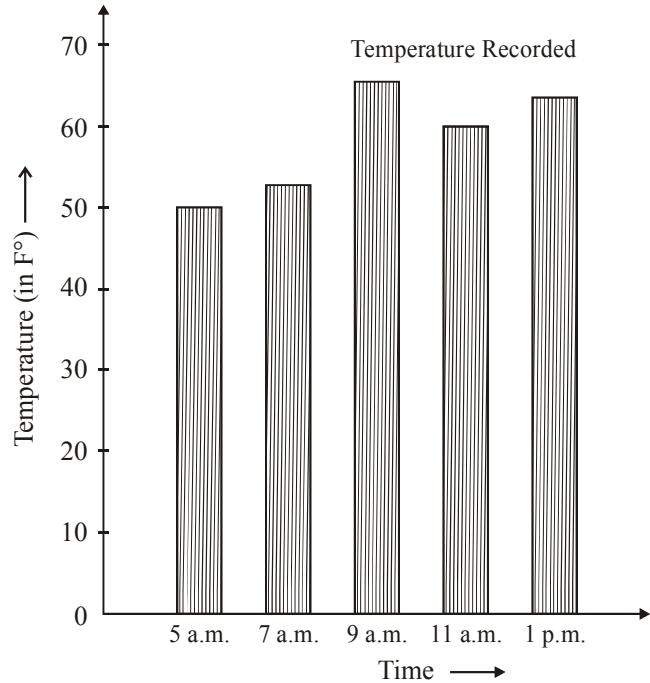
- (A) 9 a.m.
- (B) 1 p.m.
- (C) 11 a.m.
- (D) 9 p.m.

Q.3 The ratio of maximum temperature to minimum temperature is

- (A) 5 : 7
- (B) 13 : 10
- (C) 12 : 13
- (D) 7 : 5

Q.4 Difference of 1 degree temperature was between

- (A) 7 a.m. and 9 a.m.
- (B) 9 a.m. and 11 a.m.
- (C) 9 a.m. and 1 p.m.
- (D) 11 a.m. and 1 p.m.



Q.5 The % change in temperature from 5 a.m. to 7 a.m. is

- (A) 10%
- (B) 20%
- (C) 30%
- (D) 4%

Direction (Q.6 to Q.9) : Read the following table and choose the correct answer from the given four alternative answers

Class Intervals	5 – 10	10 – 15	15 – 20	20 – 25	25 – 30	30 – 35
Frequency	18	27	19	14	3	8

Q.6 The size of the class 25 – 30 is

- (A) 5
- (B) 25
- (C) 30
- (D) 27.5

Q.7 The lower limit of the class 15 – 20 is

- (A) 20
- (B) 15
- (C) 5
- (D) 35

Q.8

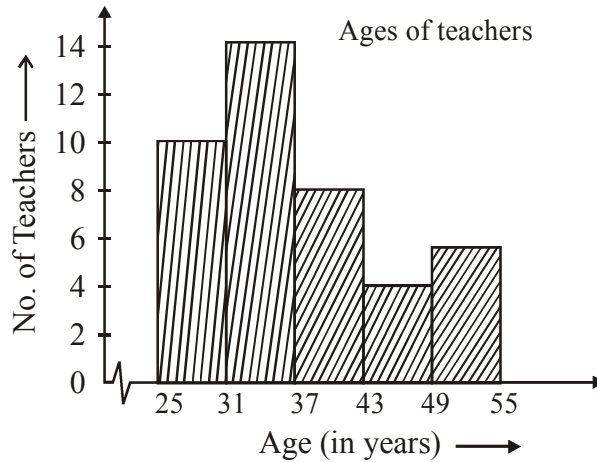
The upper limit of the class 30 – 35 is

- (A) 30
- (B) 32
- (C) 35
- (D) 65

Q.9 The class mark of the class 5 – 10 is

- (A) 5
- (B) 10
- (C) 15
- (D) 7.5

Direction (Q.10 to 13) : The following graph shows the ages of teachers of a school :

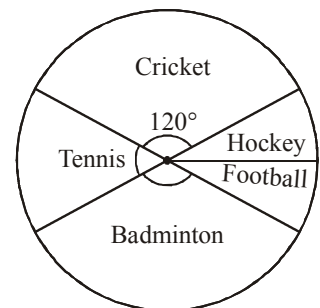


Read the above graph (figure) and select the correct answer from the given four alternative answers :

- Q.10 The number of teachers who are 49 years and above is
 (A) 6 (B) 8 (C) 4 (D) 10
- Q.11 The number of teachers in the age group 37 – 43 is
 (A) 10 (B) 6 (C) 8 (D) 14
- Q.12 The number of teachers below 37 years is
 (A) 10 (B) 24 (C) 14 (D) 18
- Q.13 Total number of teachers in the school is
 (A) 42 (B) 32 (C) 40 (D) 38

Direction (Q.14 to Q.17) :The adjoining pie chart depicts the games played by 1500 students of a school. Each student plays only one game. Examine this graph and choose the correct answer.

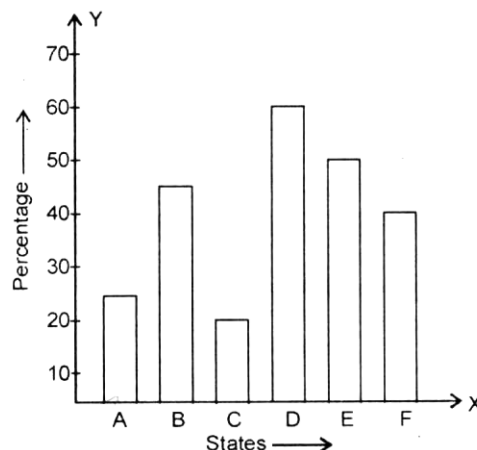
- Q.14 Which game is liked least?
 (A) Tennis (B) Hockey
 (C) Cricket (D) Football
- Q.15 How many students play tennis?
 (A) 250 (B) 500
 (C) 425 (D) 200



- Q.16 What percentage of students play badminton?
 (A) 33% (B) 13% (C) $33\frac{1}{3}\%$ (D) 30%
- Q.17 The ratio of the students who plays tennis to those who play cricket is
 (A) 2 : 1 (B) 1 : 2 (C) 1 : 1 (D) 1 : 3

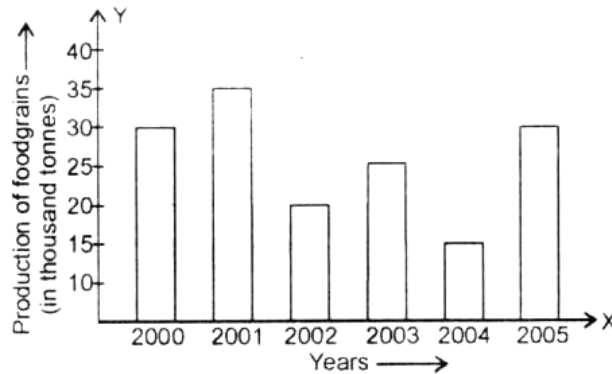
- Q.18 The number of times a particular entry occurs in a set of data is known as its :
 (A) range (B) class-size (C) frequency (D) class-interval
- Q.19 The difference between the highest and the lowest values of the observations in a given set of data is called as :
 (A) range (B) frequency (C) class-size (D) class-interval
- Q.20 The mid-value of a class-interval is called as :
 (A) class-limit (B) class-mark (C) class-width (D) range
- Q.21 The difference between upper and lower class limits of a group is called :
 (A) class-limit (B) class-size (C) class-interval (D) class-mark
- Q.22 Each group of a grouped frequency distribution is called :
 (A) class-limit (B) class-size (C) class-interval (D) class-mark

Direction (Q.23 to Q.27) : Study the graph, carefully and answer the questions. The graph given below, shows the



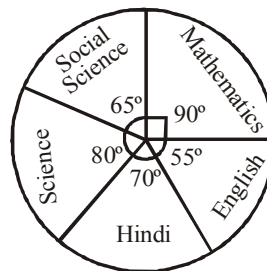
- Q.23 If the central government desires to give aid for speedy electrification, starting from states with least electrification which state will get fourth rank in the order of priority ?
 (A) C (B) F (C) D (D) B
- Q.24 Which state has twice the percentage of villages not electrified in comparison to state A ?
 (A) B (B) C (C) D (D) E
- Q.25 In case of state C, what per cent of villages are electrified ?
 (A) 65% (B) 25% (C) 20% (D) 80%
- Q.26 How many states have atleast 60% or more electrified villages ?
 (A) 2 (B) 3 (C) 4 (D) 5
- Q.27 Which state has the maximum percentage of electrified villages ?
 (A) A (B) B (C) C (D) D

Direction (Q.28 to Q.31) : The graph given below, shows the production of foodgrains of a country in different years. Questions 15 to 18 are based on this graph, study the graph and answer the questions



- Q.28 The sum of the production of foodgrains in the year 2002 and 2004 is equal to that in year
 (A) 2003 (B) 2001 (C) 2000 (D) none of these
- Q.29 The different of the production of food grains for the year 2001 and 2005 is
 (A) 50 tonnes (B) 5 tonnes (C) 5000 tonnes (D) 500 tonnes
- Q.30 Minimum production during these years is
 (A) 15 tonnes (B) 150 tonnes (C) 1500 tonnes (D) 15000 tonnes
- Q.31 Maximum production during these years is in the year
 (A) 2000 (B) 2001 (C) 2003 (D) 2005

Direction (Q.32 to Q.35) : The following pie chart gives the marks obtained by a student in different subjects – English, Hindi, Mathematics, Science and Social Science in an examination.



Assuming that the total marks obtained for the examination are 540, answer the questions given below

- Q.32 The marks scored in Social Science are more than
 (A) Mathematics (B) Hindi (C) English (D) Science
- Q.33 The marks scored in Hindi and Mathematics exceeds the marks scored in English and Social Science by
 (A) 30 (B) 50 (C) 70 (D) 60
- Q.34 The subject in which student scored 105 marks is
 (A) English (B) Hindi (C) Science (D) Social Science

- Q.35 The different of marks between English and Science is the same as between
(A) Science and Hindi (B) Hindi and Social Science
(C) English and Hindi (D) Mathematics and Social Science
- Q.36 A pictorial representation of the grouped data in which rectangles are formed with class intervals as the bases and the corresponding frequencies as the heights is known as
(A) bar graph (B) pie chart (C) histogram (D) none of these
- Q.37 A circle divided into as many sectors as there are classes in a frequency distribution and size of sector proportional to the frequency of the class is known as
(A) golden circle (B) pie chart (C) frequency circle (D) super circle
- Q.38 The word experiment means
(A) two chemical reacts to give a new product
(B) two organic chemical react to give a new product
(C) an operation which can produce some well define outcomes
(D) none of these
- Q.39 When we perform an experiment then outcomes are known as equally liked if
(A) there is only one outcome
(B) all outcomes are same
(C) each outcome has the same chance of occurrence
(D) none of these