JAI HIND COLLEGE

Basantsing Institute of Science & J. T. Lalvani College of Commerce.

and Sheila Gopal Raheja College of Management.

Autonomous

Additional details regarding the Common entrance exam (JHC-CEE) for admission to FY Degree (UG) Self Financing programs (BAF, BBI, BFM, BMS, BBA, BA(Ad.J), BSC-IT) for 2023-2024 is specified hereunder:

Structure of Online Common Entrance Exam (CEE)

Subject Matter	Weightage	Number of Question	Total Marks	Total Duration
English	25%	25		
Logic, Reasoning & Data Interpretation	25%	25	100	2 hours
Maths (up to Std X^{th} Maharashtra State Board)	25%	25		
Current Affairs	25%	25		

Syllabus for Online Entrance Exam 2023-24

The entrance examination will primarily check basic aptitude in English, Logical & Visual Reasoning, Data interpretation, Maths & Current affairs. Entrance test will consist of multiple choice questions from the following four sections.

English

- Grammar
- Vocabulary
- Composition
- Idioms and phrases
- Cloze Test

Mathematics

- Measures of central tendency (Mean, Median, Mode, Standard deviation)
- Time, Distance, Speed
- Profit & Loss
- Ratio & Proportion
- Sequence & Series
- Simple & Compound Interest
- Probability and Distributions
- Fraction & Percentage
- Linear equations
- Sets, Relations and Functions
- Mensuration and 3D
- Matrices
- Trigonometry
- calculus :Derivatives and Integrals
- Linear Programming Problem

Logic, Reasoning & Data Interpretation

Data Interpretation
- Pie Chart
- Tables
- Line chart/ Line Graph
- Bar graph/ histogram
- Venn Diagram

Logical Reasoning
-
- Coding/Decoding

- Number Series/ Alphabet series
- Seating Arrangement
- Classification/ Analogy
- Blood Relations
- Statement & Conclusion(arrangement)
- Direction Tes

Current Affairs

- Civic Issues
- Indian and International Politics
- Business- Global and Indian scenario
- World of Sports sector
- Science and Technology development
- Cinema / music/ art/ entertainment

SAMPLE QUESTIONS

ENGLISH

1. The word 'disheveled' would mean
   - a. Uneven
   - b. Unkempt
   - c. Variable
   - d. Absolute

2. The party was supposed to be _____ the main hall of the building.
   - a. on
   - b. by
   - c. in
   - d. at

3. Identify the correct sentence.
   - a. Teachers are delighted when their students succeed.
   - b. Teachers delight their students when they succeeded.
   - c. Students delighted teachers on success.
   - d. Delighting teachers succeed students.

4. Identify the correct spelling.
   - a. Autonomous
   - b. Autanomous
   - c. Autonamous
   - d. Autonomaus

5. "The students are preparing for the presentation." Rewrite the sentence in a passive voice.
       a. The students prepared for the presentation.
       b. The students were preparing for the presentation.
       c. The presentation was being prepared for the students.
       d. The presentation is prepared for the students.

6. A Shepherd boy tended his master's sheep near a dark forest not _____ from the village. Soon he found life in the pasture very dull. All he could do to _____ himself was to talk to his dog or _____ on his shepherd's pipe..
       a. Alone, keep, bang .
       b. Far, amuse, play.
       c. Below, help, dig.
       d. Close, be, lean.

7. The synonyms for "Detest" is
       a. Loathe
       b. Pretend
       c. Neglect
       d. Rebel

8. What does the phrasal verb "bear with" means
       a. To hide
       b. To tolerate
       c. To hold
       d. To ignore

9. Neha said "Although I have a lot of work to do, I will still make time to attend the meeting tomorrow". Convert to indirect speech.
       a. Neha said that she has a lot of work to do and won't make time for the meeting tomorrow because it's not important.
       b. Neha said that she would have to skip the meeting tomorrow due to the workload. c. Neha said that the meeting tomorrow is not important and she has too much work to attend.
       d. Neha said that she had a lot of work to do but would still make time to attend the meeting tomorrow.

10. Raghavendra is …. intelligent boy.
       a. an
       b. the
       c. a
       d. in

MATHS

Q.1   Find the median of the data 5,8,6,4,9,2,1.
      a)8   b)5   c)9   d)2

Q.2   If the side of the regular hexagon is 7m then find out the perimeter
      of the regular polygon.
      a)48   b)42   c)40   d)39

Q.3   What percentage of 130 are 90?
      a)69   b)70   c)82   d)72

Q.4   In a right angle triangle, what is the sine 35 degree, if hypotenuse is
      4.9 cm and opposite is 2.8cm.
      a)0.48   b)2.84   c)0.57   d)0.28

Q.5   Corner points of the feasible region for Linear Programming Problem
      are (0,25), (30,0), (60,0), (60,80) and (0,50). Objective function is
      Z=40X+60Y. Then "Maximum Z- Minimum Z" =?
      a)6200   b)6000   c)8000   d)4200

Q.6   If the cost price is 20% of the selling price. Then what is the profit
      percentage?
      a)350%   b)450%   c)400%   d)500%

Q.7 The sum of the present age of P and Q is 57 years. If the ratio of Ages of P and Q 15 years ago be 2:1. Then the ratio of ages of P and Q after 3 years is?

a)3:4   b)4:5   c)5:4   d)4:3

Q.8 The side of an equilateral triangle is 25 cm and it is increasing at the rate of 4 cm/s. Then at which rate the area increases?

a) $25/\sqrt{3}$ cm^2/s   b) $50\sqrt{3}$ c)4 cm^2/s   d) $\sqrt{3}$ cm^2/s
                          cm^2/s

Q.9 If A={1,2,3,4} and B={2,4,6} then what is the cardinality of A U B?

a)4   b)5   c)6   d)7

Q.10 A car covers a certain distance at the speed of 84 km/hr in 10 hours. What should be the speed of a car to cover the same distance in 7.5 hours?

a) 112 km/hr   b) 100 km/hr   c) 90 km/hr   d) 150 km/hr

CURRENT AFFAIRS

Q.1.What is the term of a member of the Rajya Sabha, the upper house of the Indian Parliament?
    1. 3 Years
    2. 4 Years
    3. 5 Years
    4. 6 Years

Q.2. Which of the following is not a feature of the Indian Constitution?
    1. Federalism
    2. Secularism
    3. Socialism
    4. Capitalism

Q.3. Which of the following is not a part of the Directive Principles of State Policy enshrined in the Indian Constitution?
    1. Right to Education
    2. Right to Work
    3. Right to Equality
    4. Right to Health

Q.4. Before Joe Biden, _____ was the president of United States of America.

      1. Donald Trump
      2. Barak Obama
      3. George Bush
      4. William Clinton

Q.5. Which Indian scientist invented that even plants have life?
      1. Jagdishchandra Bose
      2. Subhachandra bose
      3. APJ Kalam
      4. Pythagoras

Q.6. Which Indian Astronaut died in space?
      1. Kalpana Chawla
      2. Rakesh Sharma
      3. Ravish Malhotra
      4. Sunita Williams

Q.7. In the recently concluded Women's Premier League, _____ won the series against Delhi Capitals in the season finale in March 2023.
      1. Chennai Super Kings
      2. Mumbai Indians
      3. Gujarat Titans
      4. Punjab Kings

Q.8. In which sport is the Thomas Cup awarded?
      1. Tennis
      2. Badminton
      3. Table Tennis
      4. Squash

Q.9. _____, an international award-winning Broadway musical, is coming to India for the first time ever with its showcase at the recently inaugurated NMACC in Mumbai.
      1. Hamilton
      2. Sound of Music
      3. Lion King
      4. Moulin Rouge

Q.10. _____ is the only Indian film chosen as a part of the official selection in the Midnight Screenings Section at the 76th Cannes Film Festival.
      1. Kennedy
      2. Ugly
      3. Bheed
      4. Bhoomi

Data Interpretation

Q.1
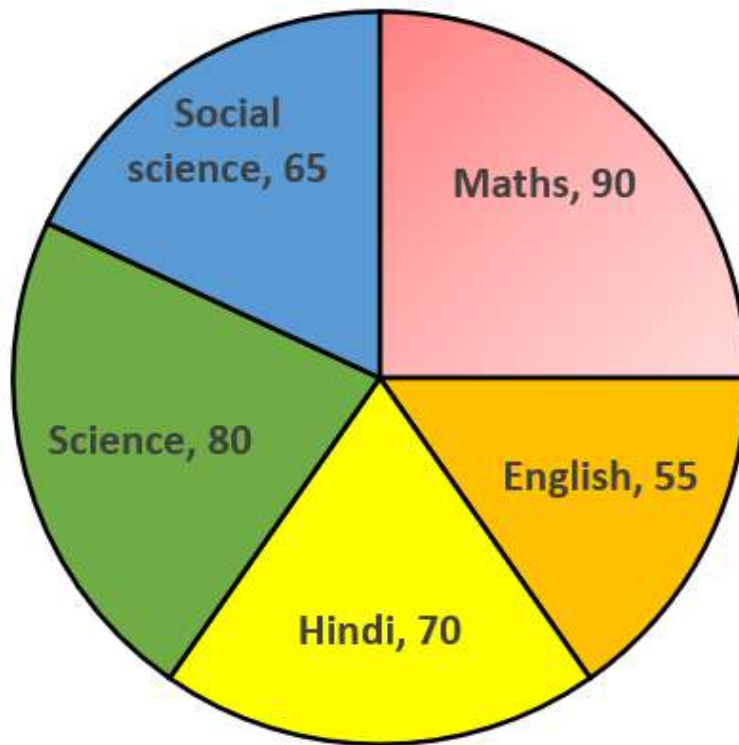
The given pie chart shows the marks scored by a student in different subjects- English, Hindi, Mathematics, Science and Social Science in an examination. The values given are in degrees. Assumption: Total marks obtained in the examination are 900.
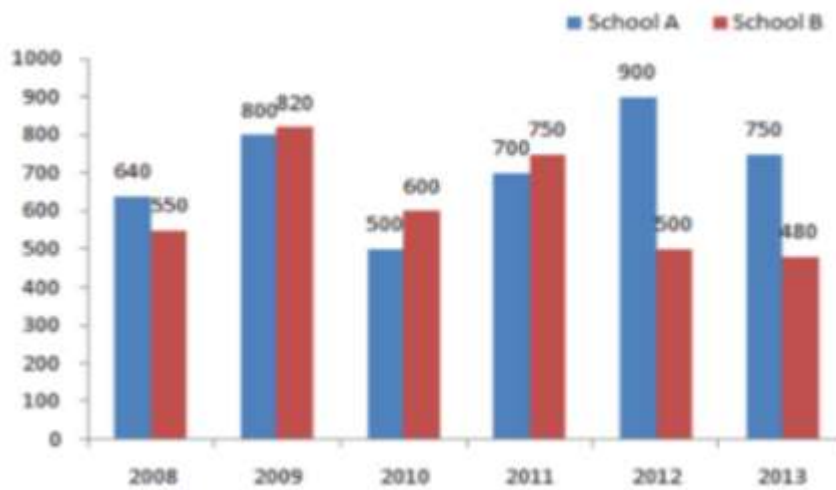
Question: If the total marks were 3000, then marks in Mathematics would be

a. **750**
b. 800
c. 850
d. 900

Correct Answer: 750

Q.2

The given Bar Graph presents the number of students of two schools for six years.

In which year, the percentage increase in students in school B is the highest in comparison to its previous year?

a. **2009**
b. 2010
c. 2011
d. 2013

Correct Answer: 2009

Q3.

The given Bar Graph presents the number of students of two schools for six years.
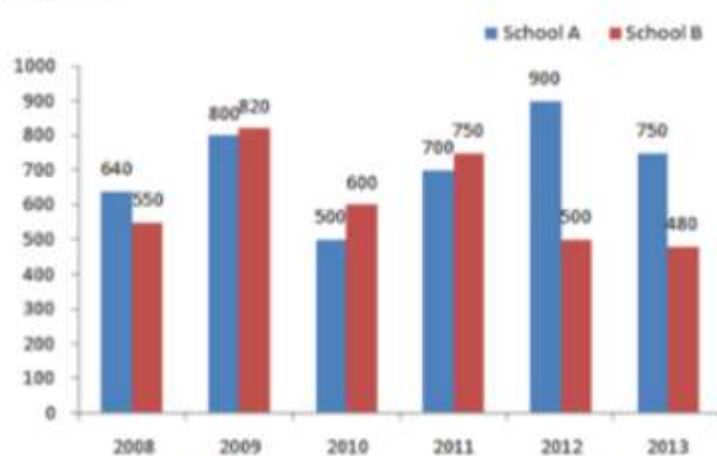

■ School A ■ School B
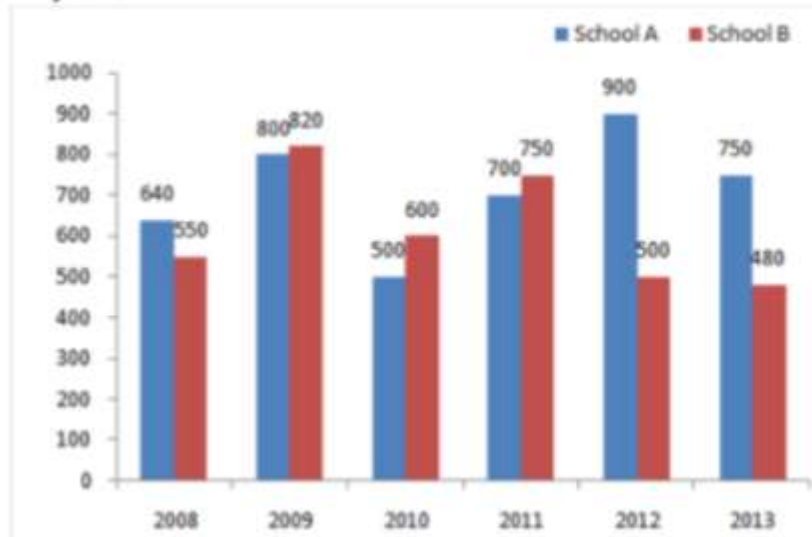
In which year, the absolute difference between the numbers of students in two schools is the highest ?

a. 2009
b. 2010
c. 2012
d. 2013

Correct Answer: 2012

Q.4

The given Bar Graph presents the number of students of two schools for six years.

■ School A ■ School B

In which year, the percentage increase of students in school A is the highest in comparison to its previous year?

a. 2010
b. 2011

c. 2012
d. 2013

Correct Answer: 2011

Q5.

The line graph shows the number of students admitted in the given year to a certain university. Study the diagram and answer the following question.
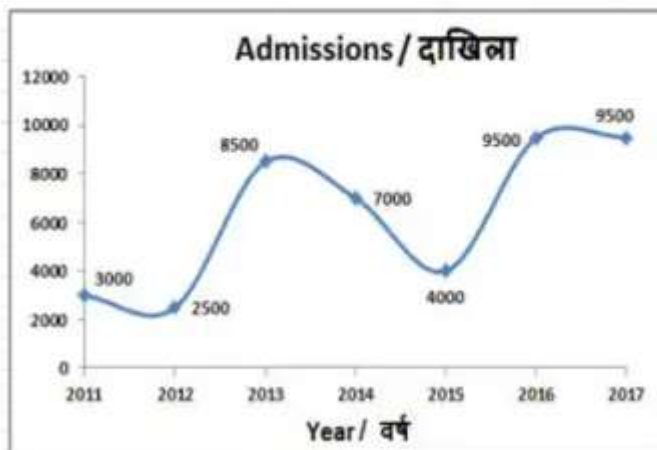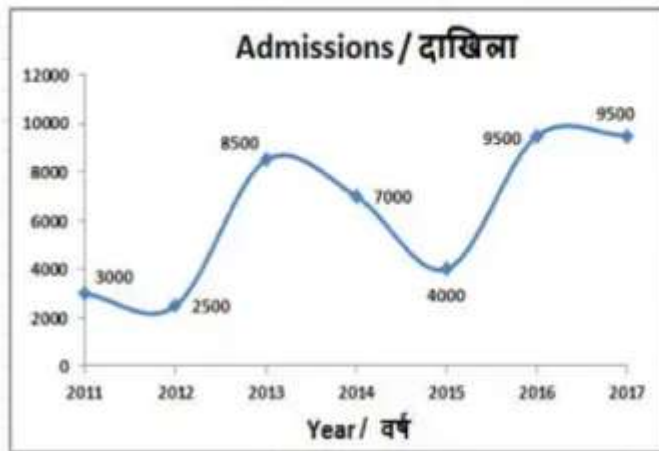

In which year were admissions greater than that of the previous year?

a. 2012
b. 2013
c. 2014
d. 2015

Correct Answer: 2013

Q6.

The line graph shows the number of students admitted in the given year to a certain university. Study the diagram and answer the following question.

Admissions / दाखिला

Which year shows the largest % drop in admissions?

    a. 2012
    b. 2014
    c. 2015
    d. 2017

Correct Answer: 2015

Q7.

The line graph shows the number of students admitted in the given year to a certain university. Study the diagram and answer the following question.
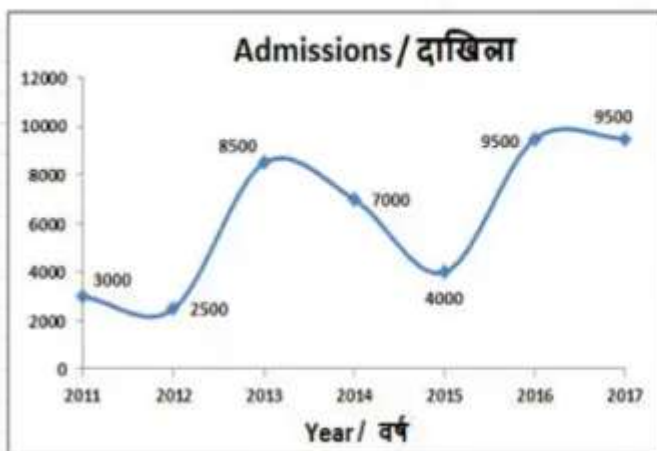

Admissions / दाखिला

Which year shows the largest % rise in admissions?

a. 2012
b. **2013**
c. 2015
d. 2016

Correct Answer: 2013

Q8.

The following table shows the domestic sales of cars of five manufacturers from 2015 to 2020. (All the figures are in thousands)

Company	2015	2016	2017	2018	2019	2020
A	440	480	470	500	520	510
B	400	410	415	415	420	430
C	380	390	390	400	420	495
D	360	380	400	415	440	500
E	480	440	440	420	425	435

During 2020, the sales of which manufacturer has shown the maximum percentage increase over the previous year?

a. A
b. B
c. C
d. D

Correct Answer: C

Q9.

The following table shows the domestic sales of cars of five manufacturers from 2015 to 2020. (All the figures are in thousands)

Company	2015	2016	2017	2018	2019	2020
A	440	480	470	500	520	510
B	400	410	415	415	420	430
C	380	390	390	400	420	495
D	360	380	400	415	440	500
E	480	440	440	420	425	435

Which Company have been constantly displaying Year on year growth?

a. A
b. B.
c. C
d. D

Correct Answer: D

Q10.

The following table shows the domestic sales of cars of five manufacturers from 2015 to 2020. (All the figures are in thousands)

Company	2015	2016	2017	2018	2019	2020
A	440	480	470	500	520	510
B	400	410	415	415	420	430
C	380	390	390	400	420	495
D	360	380	400	415	440	500
E	480	440	440	420	425	435

In which year did all the companies showed growth in sales compared to previous year?

    a. 2017
    b. 2018
    c. 2019
    d. 2020

Correct Answer: 2019

Logical Reasoning

Q1. Glass is to fragile as to rubber is

    a. Massive
    b. Strong
    c. Elastic
    d. Concrete

Correct Answer: c

Q2. Which number will complete the following series 13, 21, 33, 49, _____

    a. 71
    b. 61
    c. 65
    d. 69

Correct Answer: 69

Q3. The code for CABLF is EKAZB, then how will PAPER be written?

    a. QZODO
    b. ADOZO
    c. QDOZO
    d. WSODO

Correct Answer: QDOZO

Q4. Given below are two premises with four conclusions drawn from them. Which of the following conclusions could be validly drawn from the premises?

Premises:
(i) Some dogs are tables
(1i) All dogs are chairs.

Conclusions:
(a) Some tables are chairs
(b) No chair is table
(c) Some chairs are dogs
(d) Some dogs are not tables

Select the correct answer from the options given below:

   a. (a) and (c)
   b. (b), (c) and (d)
   c. (a) and (d)
   d. (b) only

Correct Answer: (a) and (c)

Q5. Sanjay, introducing a person to Manoj, said "He is the father of your sister's son and he is also my mother's husband". How is Sanjay's father related to Manoj's mother?

   a. Uncle
   b. Father
   c. Son-in-law
   d. Nephew

Correct Answer: Father

Q6. A man walks 5 km toward the south and then turns to the right. After walking 3 km he turns to the left and walks 4 km. And then he goes back 10 km straight. Now in which direction is he from the starting place?

   a. South-East
   b. West
   c. East
   d. North

Correct Answer: North

Q7. Six collegues Amaan, Ballu, Chaitan, Mukesh, Anu, and Indra are sitting in circle facing the centre. Anu is to the left of Mukesh. Chaitan is between Amaan and Ballu. Indra is between Anu and Amaan. Who is sitting to the immediate left of Ballu?

   a. Mukesh
   b. Amaan
   c. Indra

d. Chaitan

Correct Answer: Mukesh

Q8. Select the correct option.
Radical: Moderate :: Revolution:

   a. Change
   b. Violence
   c. Prosperity
   d. Peace

Correct Answer: Peace

Q9. In a certain code, 'GONE' is written as 5 % 2 # and 'MEDAL' is written as 4 # 3 $ @, then how will 'NAME' be written in that code?

   a. 2$4#
   b. 4#2@
   c. 5%2@
   d. 4@$#

Correct Answer: **2$4#**

Q10.Statement (S): We feel colder on mountains than on plains
Reason (R): Temperature decreases with altitude

   a. Both (S) & (R) are true and (R) is the correct explanation of (S)
   b. Both (S) & (R) are true and (R) is not the correct explanation of (S)
   c. (S) is true and (R) is false
   d. (S) is false and (R) is true

Correct Answer: Both (S) & (R) are true and (R) is the correct explanation of (S)