

apart ; how far from each tower is that point in the line joining their bases, which is equally distant from their summits.

- 15 (b) Two adjacent sides of parallelogram are 25 feet and 35 feet respectively, and one of the diagonals is $10\sqrt{12}$; find the other diagonal.

FIRST CLASS.

ENGLISH LITERATURE.

Time—Three Hours.

Shakespeare.

1. Describe the character of Lady Macbeth as developed by Shakespeare, introducing quotations when you can.
2. Enumerate the principal influences which operated to quicken the national life and to stimulate the intellectual activity of the English in the latter half of the reign of Queen Elizabeth.
3. Give a synopsis of the evidence adduced by those who hold the view that Shakespeare visited Scotland before Macbeth was written.
4. Explain the italicised words in the following quotations :—

"Shoughs, water-rugs, and demi-wolves are cleped
All by the name of dogs : the *valued file*
Distinguishes the swift, the slow, the subtle."

"Come, *seeling* night,
Skarf up the tender eye of pitiful day."

"The title is *after'd*."
"Scotland hath *Joysons* to fill up your will."

5. State in what part of Macbeth the following passages occur, and by whom they are uttered :

"Can'st thou not minister to a mind diseas'd ;
Pluck from the memory a rooted sorrow ;
Raze out the written troubles of the brain ;
And, with some sweet oblivious antidote,
Cleanse the stuff'd bosom of that perilous stuff,
Which weighs upon the heart ?"

"Thou hast it now, King, Cawdor, Glamis, all,
As the weird woman promis'd ; and I fear
Thou play'd'st most foully for't ; yet it was said,
It should not stand in thy posterity ;
But that myself should be the root, and father
Of many kings."

"The labor we delight in, physics pain."

"Sleep, that knits up the ravell'd sleeve of care,
The death of each day's life, sore labor's bath,
Balm of hurt minds, great nature's second
course,
Chief nourisher in life's feast."

Milton.

6. Give a full account of the part which Milton took in English politics.

7. Dr. Johnson in his criticism of "Il Penseroso" says : "Milton probably had not yet forsaken the Church." State when this poem was written, and quote or refer to any passage in it that would seem to support Johnson's opinion.

8. "Com, pensive Nun, devout and pure,
Sober, stedfast, and demure,
All in a robe of darkest grain
Flowing with majestick train,
And sable stole of Cipres lawn
Over thy decent shoulders drawn !
Com, but keep thy wonted state
With eev'n step and musing gait
And looks commercing with the skies,
Thy rapt soul sitting in thine eyes."

—*Il Penseroso* : *Ll.* 31-40:

- (i) Write explanatory notes on 'grain,' l. 33 ; 'sable stole of Cipres lawn,' l. 35 ; 'decent,' l. 36 ; 'commercing,' l. 39 ; and 'rapt,' l. 40.

- (ii) Give the derivation of 'demure,' 'stole,' 'musing,' and 'rapt.' Make a list of the words in the language containing the same root as 'stedfast.'

- (iii) Parse 'all,' l. 33.

Addison.

9. Give an account of the part played by Steele in founding our periodical literature.

10. Write a synopsis of the Vision of Mirzah.

Johnson.

11. Compare the prose style of Johnson with that of Addison.

12. Give Johnson's distinction between simile and exemplification.

13. Name the chief writers contemporary with Johnson, and state in what path of literature each of them excelled.

CHEMISTRY.

Time—Two Hours.

1. A mineral water, in addition to chlorides, contains small quantities of iodides and bromides : how would you detect the presence of these salts in water ?

2. Describe the properties of carbon which tend to show that diamond cannot have been formed at a temperature at which pure iron melts. How would you show that carbonic acid (CO_2) is a compound of