

English (Paper II., Literature and Books).—For Senior Civil Service. Time allowed: 3 hours.

1. Give some account of the plot of "The Tempest," quoting, if you can, what you consider the most striking passages.
2. Explain the following passages, mentioning the speaker of each :—
 - (a.) If he be not born to be hanged, our case is miserable.
 - (b.) O, a cherubin
Thou wast that did preserve me.
 - (c.) The still-vex'd Bermoothes.
 - (d.) There's nothing ill can dwell in such a temple.
 - (e.) Thou dost snore distinctly ;
There's meaning in thy snores.
 - (f.) A very ancient and fish-like smell.
 - (g.) The isle is full of noises,
Sounds, and sweet airs that give delight, and hurt not.
 - (h.) Travellers ne'er did lie,
Though fools at home condemn 'em.
 - (i.) We are such stuff
As dreams are made on ; and our little life
Is rounded with a sleep.
 - (k.) I will discase me, and myself present
As I was sometime Milan.
 - (l.) Now I want
Spirits to enforce, art to enchant.
3. What town is the scene, and what years of the Christian era the period, of the story of "Romola"? Give some account of the actual historical events that enter into its plot.
4. Give a brief account of the plot of "Romola," and mention what part is played in the story by Nello, Francesco Cei, Bratti Ferravecchi, Niccolò Goro, Monna Ghita, Maestro Tacco, Niccolò Ridolfi, Giannozzo Pucci, Monna Lisa.
5. Give some account of the character and work of Savonarola as depicted in "Romola."
6. Account for the great outburst of literature in the reign of Queen Elizabeth, and mention the chief Elizabethan dramatists and their works.
7. Name the authors of the following works, and give such a description of any two of them as to show that you have read them: "Euphues," Faerie Queene," "Every Man in his Humour," "Arcadia," "Scholmaster," "Steele Glass," "Laws of Ecclesiastical Polity," "Art of Poetrie," "Shepherd's Calendar," "Nosce Teipsum," "Jew of Malta."

Arithmetic.—For Class D. Time allowed: 3 hours.

1. Reduce to its simplest form $\frac{3 \cdot 064814}{5 \cdot 5 - 2 \cdot 8} - 2 \cdot 142857 + 3 \frac{5}{11}$.
2. Express 5oz. avoirdupois as the decimal of a pound troy.
If 0·075 of a ton cost £61 12s., what is the cost of 1·875lb.?
3. A box without lid is made of lead, a substance which weighs 11·4 times as heavy as water: the box is everywhere 1in. thick, and its external dimensions are 5ft. 2in., 3ft. 6in., 2ft. 4in.; what is its weight, assuming that a cubic foot of water weighs 62½lb. avoirdupois?
4. A block of land in the form of a square contains 116,640 acres, and it is to be represented on a map drawn to the scale of an inch to the mile, what will be the length of the side of the square on the map?
5. A block of metal which contains 7 cubic feet is drawn out into wire 3 miles long: assuming that the section of the wire is everywhere a circle of the same area, and that the area of a circle is found by multiplying the square of the radius by $3\frac{1}{2}$, find the diameter of the wire.
6. A merchant makes four successive ventures, using each time all his capital: in the first he gains 5 per cent., in the second he gains 20 per cent., in the third he loses $14\frac{2}{3}$ per cent., and in the fourth he loses 10 per cent: calculate the ratio of his capital after his last venture to that at the beginning.
7. Find the discount on £170 18s. 5d., due fifty-two days hence, at $2\frac{1}{4}$ d. per £100 per day, simple interest.
8. What sum of money must be invested in the 4-per-cents. at 112 to give an income £320 3s., after paying 6d. in the pound income-tax?
9. If the discount on a sum of money due at the end of two years and a half be to its simple interest for the same period as 80:87, at what rate is the interest calculated? And if the discount and interest together amount to £46 5s. $5\frac{1}{4}$ d., what is the sum of money?
10. One thousand sovereigns weigh $256\frac{1}{4}$ oz., one thousand German 20-mark pieces weigh 7·962 kilogrammes, and an ounce = 3·1035 grammes: assuming that the gold in the two kinds of coins is of the same degree of fineness, find from these data the value, to the nearest pfennig, of an English sovereign in German money, it being given that there are 100 pfennigs in a mark.
11. If the squares of the times of revolution of the planets round the sun be proportional to the cubes of their distances from the sun, find the periods of revolution of Venus and Mars, their distances from the sun being expressed by ·723, 1·524, when the distance of the earth from the sun is unity.
12. A man borrowed a sum of money, and agreed to pay it off by three annual instalments of £500 each, the first payment being made a year after the sum is borrowed: reckoning that money is worth 5 per cent. compound interest, find the sum borrowed.