1. A to D describes the politics carried out by 4 figures in the Edo era. Regarding A to D, who is the person to have played the central role in advancing those events? Select the right combinations from 1 to 4. No.12

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>This person appointed human resources, developed new rice fields, and worked to stabilize the price of rice. Moreover, the person established the law, Kujikataosadamegaki, which became a standard for trials.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>This person ordered peasants who came to work in Edo and other cities to return to their hometown and made them build warehouses to store rice in preparation for a bad crop and famine, and limited cultivation of commercial products. The person also built Shoheizaka gakumonjo (educational institute) in Yushima, Edo.</td>
<td></td>
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</tr>
<tr>
<td>C</td>
<td>This person announced a thrift law, regulated lavish manners and customs and restricted novels that criticized politics or corrupt public morals from being published. The person ordered cartels that monopolize business to dissolve.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>He became a Roju, a member of the shogun’s council of elders, from a low standing samurai, and tried to rebuild the finance of the shogunate, using the influence of the business association. The person encouraged business associates to form cartels and charged business tax in return for giving them the privilege.</td>
<td></td>
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</tr>
</tbody>
</table>

1 A Yoshimune Tokugawa  B Sadanobu Matsudaira  C Tadakuni Mizuno  D Okitsugu Tanuma
2 A Tsunayoshi Tokugawa  B Iemitsu Tokugawa  C Hakuseki Arai  D Yoshiyasu Yanagisawa
3 A Yoshimune Tokugawa  B Sadanobu Matsudaira  C Tadakuni Mizuno  D Yoshiyasu Yanagisawa
4 A Tsunayoshi Tokugawa  B Iemitsu Tokugawa  C Hakuseki Arai  D Okitsugu Tanuma

2. The next table refers to Japanese diplomacy during the Showa era. If put in chronological order, choose the third from the oldest. No.13

<p>| | | | | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Concluded Japan-Republic of Korea Basic Relations Treaty</td>
<td>Events happened in the same year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Signed Okinawa Restoration Convention</td>
<td>USA started Bombing North Vietnam</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Signed Japan-Soviet Joint Declaration</td>
<td>Environment Agency inaugurated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Concluded the Japan-China Treaty of Peace and Friendship</td>
<td>Japan joined the United Nations</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>New Tokyo International Airport opened</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Choose the correct answer from the next 1 to 4 that describes the correct procedures for the national Diet provided by the Constitution of Japan. No.14

   1. The measure taken by the House of Councilors at an emergency meeting during the dissolution of the House of Representatives requires ex post facto consent from the cabinet.
2 If the House of Councilors rejects the budget approved by the House of Representatives, the House conference must be held.

3 Even if the House of Councilors rejects the bill passed by the House of Representatives, the law can be established when approved by the national referendum.

4 The House of Councilors must obtain the House of Representatives’ consent in order to carry out the census investigation right.

10 Choose one from the next 1 to 4 as the right value for \(-2^2 - (-3)^3\) [No.17]

\[
\begin{array}{cccc}
1 & -31 & 2 & -13 \\
3 & 5 & 4 & 23
\end{array}
\]

11 When the decimal part of \(\sqrt{5}\) is \(\chi\), choose one from the next 1 to 4 as the right value for \(\chi^2 + 4\chi + 4\)

\[
\begin{array}{cccc}
1 & 5 & 2 & 10 \\
3 & 16 & 4 & 25
\end{array}
\]

12 When \(\chi = \sqrt{2} + 3, \gamma = \sqrt{2} - 3\), choose one from the following the correct value for \(\chi^2 + 3\chi\gamma + \gamma^2\)

\[
\begin{array}{cccc}
1 & 1 & 2 & 7 \\
3 & 9 & 4 & 15
\end{array}
\]
13 The figures show a rectangle ABCD and a square EFGH. The length of the edge AD in the rectangle is twice as long as the edge AB. Also, each edge of the square is 3 cm longer than the length of the edge AB in the rectangle, and the mass is smaller than that of the rectangle for 7 cm$^2$. Choose one of the next 1 to 4 as the right length of the edge AB in the rectangle.

![Diagram of rectangle and square]

1 2 cm 2 4 cm 3 6 cm 4 8 cm

14 The quadrangle ABOC is created by marking 3 points A, B and C on the circumference of a circle centered at point O. When $\angle BAC = \angle BOC$, and $\angle ACO = 53^\circ$, choose one of the 1 to 4 as the right degree of $\angle ABO = \chi$

![Diagram of circle with quadrangle]

1 47$^\circ$ 2 57$^\circ$ 3 67$^\circ$ 4 77$^\circ$
22 When measuring the voltage of electric current that runs through point a and point b in the figure, point a was 0.3A and point b was 0.1A. What Ω is the electrical resistance of the heating wire R? Choose one from the next 1 to 4. [No.29]

![Resistor Diagram]

23 Select the correct order of A to D, which describe the characteristics of sodium hydroxide aqueous solution.

A A red litmus paper turns blue.
B Phenolphthalein solution turns red.
C BTB solution turns yellow.
D A blue litmus paper turns red.

1 ABC 2 BCD 3 AB 4 BD

24 What factor determines if the weather is either clear, fair or cloudy. Choose one from the next 1 to 4. [No.31]

1 The type of cloud
2 The shape of cloud
3 The percentage of steam
4 The ratio of clouds in the sky

25 The next is a whole passage of “2nd chapter individual subject 4th paragraph Science 2nd edition Goals and content of each grade (the 4th grade)” from the Government Course Curriculum Guidelines. (announced in March, 2008) Choose one from the below 1 to 4 as the correct combination of words for (1) and (2). [No.32]

[Supporting text] Supporting the perspective and way of thinking about (2) and how they work through pursuing and creative activity driven by curiosities and interests for questions emerged while studying and (1) the
phenomena by air, water, transformation of substances, and electricity with the functions of energy, heat and electricity.

1 (1) relating   (2) characteristics
2 (1) relating   (2) regularity
3 (1) comparing  (2) characteristics
4 (1) comparing  (2) regularity

26 Elementary school

- 14 -