1. How many kinds of possible games are there in 3x3 tic tac toe (fill the whole chessboard and regardless of victory or defeat.)? ( )

**9!**

**2.** Which of the following is the basic process of AI application development? ( )

**objective determination->data preparation->model training->model evaluation->model deployment**

**3.** Which of the following network contains generator and discriminator? ( )

**DCGAN**

4. Which of the following is not an AI development framework? ( )

**GitHub**

5. Artificial intelligence application scenario - intelligent risk control, which of the following technology does not belong to the behavior modeling? ( )

**data acquisition**

6. Single choice： 1. How many possible layouts are there in 3x3 tic-tac-toe (regardless of victory or defeat.)? ( )

**19683**

**7.** Which of the following options does the artificial neural networks simulate? ( )

**human brain**

**8.** In a zero-sum game, both sides follow the minimax strategy. Which of the following is true about the minimax strategy? ( )

**The best choice based on the worst-case scenarios**

**9.** When a 3x3 tic-tac-toe is represented in the form of game tree, how many possibilities are there in the first layer of game tree?( )

**3**

10. Artificial intelligence application scenario - intelligent manufacturing has five processes. Which of the following option does not belong to the five processes? ( )

**Assessment**

**11.** As shown in the figure about heuristic search, in the cost function f(n)=g(n)+H(n), if h(n) is 0 for all possible n, what kind of search does heuristic search equal to? ( )

**breadth-first search**

**12.** Which of the following products does not belong to Huawei&apos;s full stack all senario AI solution? ( )

**CUDA**

**13.** In MNIST handwritten character recognition experiment, after the model training, which of the following step should be carry out? ( )

**model evaluation**

**14.** As shown in the figure, it is a zero-sum game, what is the equilibrium point of both sides by following the minimax strategy? ( )

**6**

**15.** In MNIST handwritten character recognition experiment, which of the following MindSpore API can be used to load datasets? ( )

**Dataset**

**16.** In the 1970s, artificial intelligence entered the first severe winter period. Which of the following may be the reasons? ( )

**ABCD**

**17.** Which of the following belongs to the typical application scenarios of machine learning? ( )

**ABCD**

**18.** As shown in the figure about heuristic search, the cost function is f(n)=g(n)+H(n), which of the following options are correct when n represent an evaluation node? ( )

**AD**

**19.** Multiple choice： 1. Which of the following methods belong to traversal methods for binary trees? ( )

**ACD**

**20.** What are the main types of machine learning? ( )

**ABCD**

**21.** When doing game tree search, the α-β pruning method cuts the tree can be used without β pruning method.( ）

**False**

**22.** Both supervised learning and unsupervised learning belong to reinforcement learning. ( )

**False**

**23.** Although each industry has its own unique challenges, these industries are gradually adopting solutions based on artificial intelligence technology. ( )

**True**

**24.** Xiao Ming is a developer. He can install MindSpore on Huawei Atlas server or development board for learning. ( )

**True**

**25.** For zero-sum game, when there is a saddle point, the maximum value of the minimum value in each row is equal to the minimum value of the maximum value in each column.( )

**True**

**26.** In MNIST handwritten character recognition experiment, the optimizer is not used. ( )

**False**

**27.** In MNIST handwritten character recognition experiment, the nn API of MindSpore is used for data enhancement. ( )

**False**

**28.** In the field of musical composition, AI composer AIVA&apos;s first classical album &quot;Genesis&quot; has passed the Turing test. ( )

**True**

**29.** In the training process of MNIST handwritten character recognition experiment, loss value keeps decline. ( )

**False**

**30.** Ture/False： 1. In a zero-sum game, there could be two or more players. (

**True**