
BPS 05 TO 15 MATRICULATION CATEGORY PAST PAPER

DATED: 25-06-2025

Read the Passage and Answer the (1 to 10) Questions.

Passage:

"Industry" comes from the Latin word 'industria' reflecting the highly organized human activity from the 12th century. Industries produce goods and services in a modern economy. They require resources, which are classified into three categories: natural resources, human resources, and capital.

Natural resources are essential in the setup of industries. For preparing goods, the raw material is required. These raw materials are obtained from natural resources.

Industries are established in such areas where raw material is easily available. It is also important to ensure that there is an easy supply of labor and thickly populated areas, so that demand and consumption go hand in hand. Human resources refer to labor, skilled and unskilled, who help in manufacturing the products, running the machines and the equipment, and managing the workers. This manufacturing process may require tools, labor, and equipment, and capital.

Money is needed to purchase tools, buildings, equipment, and machinery and to pay workers. This money is called finance capital. Buildings, machinery, and other equipment are referred to as physical capital.

1. The similar meaning of the word REFLECT is:

- (a) Take
- (b) Mirror ✓
- (c) Disregard
- (d) Ignore

2. The similar meaning of the word RESOURCE is:

- (a) Property ✓
- (b) Lack
- (c) Weakness
- (d) People

3. The similar meaning of the word RAW is:

- (a) Cooked
- (b) Proper
- (c) Done
- (d) Crude ✓

4. The opposite meaning of the word TRADE is:

- (a) Business
- (b) Idleness ✓
- (c) Ease
- (d) Deal

5. The opposite meaning of the word MANUFACTURE is:

- (a) Assemble
- (b) Complete

- (c) Create
- (d) Break ✓

6. The word industry comes from the Latin word INDUSTRIA which means:

- (a) Diligence ✓
- (b) Development
- (c) Prosperity
- (d) Discipline

7. Industry directs human energy, natural resources and technology to produce goods and services in a modern:

- (a) Freedom
- (b) Goods
- (c) Economy ✓
- (d) Education

8. Industries were developed to meet the demands of the rapid growth of:

- (a) Population ✓
- (b) Cities
- (c) Villages
- (d) Countries

9. Money is needed to purchase buildings, equipment, and machinery and to pay workers, and this money is called:

- (a) Physical Capital
- (b) Resource Capital
- (c) Finance Capital ✓
- (d) Management Capital

10. Buildings, machinery, and other equipment are referred to as:

- (a) Finance Capital
- (b) Management Capital
- (c) Physical Capital ✓
- (d) Resource Capital

11. The synonym of the word CHARM is:

- (a) Joy ✓
- (b) Help
- (c) Glory
- (d) Kindness

12. The antonym of the word CHAMPION is:

- (a) Helper
- (b) Super
- (c) Great
- (d) Unknown ✓

13. The synonym of the word PROFIT is:

- (a) Wealth
- (b) Benefit ✓
- (c) Great
- (d) Kindness

14. The antonym of the word WOE is:

- (a) Trouble
- (b) Backs
- (c) Pain
- (d) Kindness ✓

15. The synonym of the word GUARANTEED is:

- (a) Assured ✓
- (b) Gloomy
- (c) Pain
- (d) Comfort

16. The antonym of the word CHEERS is:

- (a) Agenda
- (b) Gloomy ✓
- (c) Reward
- (d) Break

17. The synonym of the word RENOWNED is:

- (a) Inferior
- (b) Notable ✓
- (c) Poor
- (d) Ordinary

18. The antonym of the word SPLIT is:

- (a) Repair ✓
- (b) Crack
- (c) Connection
- (d) Division

19. The synonym of the word FETCH is:

- (a) Carry ✓
- (b) Inventory
- (c) Ignore
- (d) Store

20. The antonym of the word CLIMB is:

- (a) Destroy
- (b) Mount
- (c) Fall ✓
- (d) Scan

21. Choose the correct spell word:

- (a) Hungery
- (b) Hungry ✓
- (c) Hungray
- (d) Hungariy

22. Choose the correct spell word:

- (a) Splendid ✓
- (b) Splended
- (c) Splanded
- (d) Splandid

23. Choose the correct spell word:

- (a) Exercise ✓
- (b) Exercize
- (c) Exersize
- (d) Exorcise

24. Choose the correct spelling of a word for 'a place to keep books':

- (a) Lirbary
- (b) Libary
- (c) Library ✓
- (d) Librery

25. Choose the correct spelling of a word for 'a device used for communication':

- (a) Telephane
- (b) Telefone
- (c) Telephune
- (d) Telephone ✓

26. I seen many sheeps grazing in the fields. (Find the Error)

- (a) many
- (b) sheeps✓
- (c) grazing
- (d) fields

27. Mr. Imran Khan looked herself in the mirror after taking a bath.(Find the Error)

- (a) herself✓
- (b) in
- (c) mirror
- (d) bath

28. The fastest you are, the sooner you reach.(Find the Error)

- (a) The
- (b) fastest✓
- (c) you
- (d) reach

29. An ambitiously person often fails.(Find the Error)

- (a) ambitiously✓
- (b) person
- (c) often
- (d) fails

30. On my visit to the village, I saw three ases near the bars.(Find the Error)

- (a) village
- (b) three
- (c) ases✓
- (d) bars

31. All went _____ the factory _____ himself.

- (a) to, on
- (b) for, by
- (c) to, by ✓
- (d) for, to

32. I hope he gets the first position so that he can go _____ a month-long tour of Europe.

- (a) in
- (b) on ✓
- (c) at
- (d) to

33. A huge crowd is waiting _____ the stadium, eager to come and watch the match.

- (a) above
- (b) near
- (c) outside ✓
- (d) under

34. All the charts will be displayed _____ the class, and the group _____ the best drawing will be the winner.

- (a) on, with
- (b) at, with
- (c) in, of ✓
- (d) on, with

35. It was so kind _____ you to help.

- (a) of ✓
- (b) to
- (c) for
- (d) about

36. Select the 'subject' in the following sentence:
"Children play in the park."

- (a) Children ✓
- (b) Play
- (c) in
- (d) Park

37. Select the 'object' in the following sentence:

"He was playing football."

- (a) He
- (b) Was
- (c) Playing
- (d) Football ✓

38. Select the 'adjective' in the following sentence:

"This flower is very beautiful."

- (a) This
- (b) Flower
- (c) Is
- (d) Beautiful ✓

39. Select a 'pronoun' in the following sentence:

"She has a sister who is very helpful."

- (a) She✓
- (b) has
- (c) Helpful
- (d) Sister

40. Select a 'past tense sentence' from the following sentences:

- (a) The teacher is teaching math in the class
- (b) The teacher has taught math in the class✓
- (c) The teacher will teach math in the class
- (d) The teacher has taught science

41. Select the whole number from the following:

- (a) -1
- (b) 3.2
- (c) $\frac{2}{2}$
- (d) $10\sqrt{}$

42. If a and b are integers and $b \neq 0$ then a/b represents:

- (a) Rational number ✓
- (b) Irrational number
- (c) Terminating decimal
- (d) Non-Terminating

43. The square of (-6) is:

- (a) 6
- (b) -6
- (c) 36 ✓
- (d) -36

44. For any three real numbers a, b, c such that $(a + b) + c = a + (b + c)$ is:

- (a) Commutative property
- (b) Additive identity
- (c) Associative property ✓
- (d) Distributive property

45. De Morgan's Laws are applicable in which of the following fields of mathematics?

- (a) Calculations
- (b) Set Theory ✓
- (c) Geometry
- (d) Trigonometry

46. The prime factors of 12 are:

- (a) 2, 6, 12
- (b) 2, 3 ✓
- (c) 2, 6
- (d) 0, 1, 2, 3

47. The square root of 0.49 is:

- (a) 0.07
- (b) 0.49
- (c) 0.7 ✓
- (d) 7

48. $(3/9)^3 =$

- (a) 29/84
- (b) 1/27 ✓
- (c) 2/72
- (d) 1

49. The multiplicative inverse of $2/3$ is:

- (a) $-3/5$
- (b) $3/10$
- (c) $3/2$ ✓
- (d) $9/25$

50. In the proportion $6:x = 9:12$, the value of x is:

- (a) 4
- (b) 6
- (c) $8\checkmark$
- (d) 9

51. The product of two integers of the same sign is always:

- (a) Negative
- (b) Positive $\checkmark$
- (c) Zero
- (d) Positive-Negative

52. 15% of 125 is:

- (a) 12.5
- (b) $18.75\checkmark$
- (c) 24.75
- (d) 15.75

53. The sum of x and the number 6 is less than four can be written as:

- (a) $6 + x < 4$
- (b) $6x < 4$
- (c) $x < 4$
- (d) $x + 6 < 4\checkmark$

54. If two sets have the same number of elements but contain different elements, they will be represented as:

- (a) $A = B$
- (b) $A \neq B\checkmark$
- (c) $A \subset B$

(d) $A \supset B$

55. The product of the smallest 3-digit and 2-digit whole number is:

- (a) 10,000
- (b) 1,000 ✓
- (c) 98,901
- (d) 9,900

56. If two sets A and B do not have a common element, they are called:

- (a) Overlapping sets
- (b) Disjoint sets ✓
- (c) Universal sets
- (d) Empty sets

57. The ratio between the circumference and diameter of a circle is equal to:

- (a) 3.14 ✓
- (b) 22.7
- (c) 1
- (d) $9/24$

58. If the sum of two angles is 180° , the angles are called:

- (a) Complementary angles
- (b) Adjacent angles
- (c) Supplementary angles ✓
- (d) Reflexive angles

59. The property tax on a property of Rs. 1,400,000 at a rate of 3% will be:

- (a) 4,200
- (b) 42,000 ✓
- (c) 140,000

(d) 28,000

60. Every constant has a degree:

- (a) 0 ✓
- (b) 1
- (c) 2
- (d) 3

61. The national flag of Pakistan features a crescent moon and star coloured with:

- (a) Red
- (b) White ✓
- (c) Green
- (d) Blue

62. Pakistan is a major producer of which agricultural product:

- (a) Wheat ✓
- (b) Coffee
- (c) Rubber
- (d) Tea

63. The current Chief Justice of Pakistan is:

- (a) Asif Saeed Khosa
- (b) Umar Ata Bandial
- (c) Yahya Afridi ✓
- (d) Saqib Nisar

64. The capital of Azad Kashmir is:

- (a) Abbottabad
- (b) Kotli

- (c) Nelam
- (d) Muzafarabad ✓

65. Allama Iqbal is considered an important figure in Pakistan's history because:

- (a) He was the first Prime Minister of Pakistan
- (b) He was a poet and philosopher who inspired the Pakistan Movement ✓
- (c) He was a military leader who won many wars for Pakistan
- (d) He was a Bengal Governor who fought a war of Plassey with the British

66. The Khyber Pass is important for Pakistan because:

- (a) It is a major tourist attraction
- (b) It is mountain valley
- (c) It is a desert region
- (d) It is a strategic trade and invasion route✓

67. Urdu is declared a national language of Pakistan because:

- (a) The Majority of the population speaks it in Pakistan
- (b) It connect people from different linguistic backgrounds ✓
- (c) It is the oldest language in Pakistan
- (d) The British introduced it

68. The function of the Senate in Pakistan's political system is to:

- (a) Make laws and represent provinces ✓
- (b) Control religious affairs
- (c) Hold military authority
- (d) Regulate local government

69. The world's largest Muslim country by area is:

- (a) Uzbekistan

- (b) Saudi Arabia
- (c) Kazakhstan ✓
- (d) Indonesia

70. The current President of America is:

- (a) Donald Trump ✓
- (b) Kamala Harris
- (c) Joe Biden
- (d) Barack Obama

71. Name the empire ruled by Genghis Khan:

- (a) Russian Empire
- (b) Mongol Empire ✓
- (c) Ottoman Empire
- (d) British Empire

72. The most spoken language in the world is:

- (a) English
- (b) Spanish
- (c) Mandarin Chinese ✓
- (d) Hindi

73. The main reasons for the formation of deserts are:

- (a) High mountains
- (b) High humidity
- (c) High rainfall
- (d) Lack of rainfall ✓

74. A glacier is best described as:

- (a) A large body of water
- (b) A slow-moving mass of ice ✓
- (c) A desert area
- (d) A deep forest

75. Greenhouse Effect is defined as:

- (a) The trapping of heat in the Earth's atmosphere ✓
- (b) The reflection of sunlight by the clouds
- (c) The collection of Earth's heat in the atmosphere
- (d) The formation of clouds in the atmosphere

76. The greenhouse gas that maintains the earth's temperature is:

- (a) Nitrogen
- (b) Carbon dioxide ✓
- (c) Sulphur dioxide
- (d) Sulphur monoxide

77. A teacher asks her students to separate sand from the water. The process most suitable for the separation would be:

- (a) Solution
- (b) Chromatography
- (c) Filtration ✓
- (d) Crystallization

78. The nucleus is the central part of an element that contains:

- (a) Protons and neutrons ✓
- (b) Electrons and protons
- (c) Neutrons and electrons
- (d) Radiation and energy

79. Water is essential for life as:

- (a) It helps in biological processes ✓
- (b) It helps plants take carbon
- (c) It keeps the environment clean
- (d) It dissolves all the substances

80. In a chemical reaction, the catalyst:

- (a) Decreases the speed of reaction
- (b) Maintains the speed
- (c) Increases the speed of reaction ✓
- (d) Destroys the chemical reaction

81. When vinegar is mixed with baking soda:

- (a) A physical change occurs
- (b) A chemical change occurs ✓
- (c) No change occurs
- (d) The mixture disappears

82. A testable explanation for an observation is known as:

- (a) Conclusion
- (b) Hypothesis ✓
- (c) Law
- (d) Reasoning

83. Trypsin is a protein-digesting enzyme that cannot function in the stomach because:

- (a) It digests fats
- (b) It gets destroyed by the acid ✓
- (c) It has a high mass concentration
- (d) It is more sensitive to HCl

84. All of the following are correct regarding water except:

- (a) It is colorless and tasteless
- (b) It has a high heat capacity
- (c) It is a non-polar in nature ✓
- (d) It is a polar solvent

85. The process used to separate different components of petroleum is:

- (a) Filtration
- (b) Sedimentation
- (c) Distillation ✓
- (d) Evaporation

86. Tawaf-ul-Qudoom is also known as:

- (a) First Tawaf ✓
- (b) Second Tawaf
- (c) Third Tawaf
- (d) Fourth Tawaf

87. “No one among you can ever be a believer unless he loves me more than his parents and all other people”. An important aspect of faith the above hadith signifies:

- (a) Love for the Holy Prophet (PBUH) ✓
- (b) Performance of Ibadat
- (c) Oneness of Allah
- (d) Rights of the people

88. General Pervez Musharraf overthrew the government of Nawaz Sharif on:

- (a) 12th Oct 1999 ✓
- (b) 8th Oct 1999
- (c) 28th May 1999
- (d) 27th Dec 1999

89. The total requirement of oil produced by Pakistan is:

- (a) 20% ✓
- (b) 30%
- (c) 50%
- (d) 65%

90. A plateau is a flat elevated landform that rises sharply above the surrounding area on at least one side; in Pakistan, the number of Plateaus is/are:

- (a) One ✓
- (b) Two
- (c) Three
- (d) Four

91. What is the purpose of a graphics card ?

- (a) To process and display images ✓
- (b) To store data
- (c) To manage memory
- (d) To control input/output devices

92. Which parts of the computer perform arithmetic calculations ?

- (a) ALU ✓
- (b) Monitor

- (c) Register
- (d) Bus

93. Which of the following is the collection of related records ?

- (a) Data
- (b) File ✓
- (c) Multiple records
- (d) Table

94. What type of memory is used to boot the computer?

- (a) RAM
- (b) ROM ✓
- (c) Hard Disk
- (d) Virtual Memory

95. What is the purpose of a loop in programming?

- (a) To repeat a set of instructions ✓
- (b) To store data
- (c) To debug the program
- (d) To design the program

96. What is the purpose of a firewall in a computer?

- (a) To increase internet speed
- (b) To block unauthorized access ✓
- (c) To install new software
- (d) To delete temporary files

97. If all the Network components are connected to the same cable, then the certain topology is called:

- (a) Star
- (b) Ring
- (c) Bus ✓
- (d) Mesh

98. What is a solid-state drive (SSD) advantage over a hard disk drive (HDD)?

- (a) SSDs are slower than HDDs
- (b) SSDs have moving parts, whereas HDDs don't
- (c) SSDs are faster and more durable than HDDs ✓
- (d) SSDs cannot store data permanently

99. Which of the following is an example of cyberbullying?

- (a) Sending threatening messages online ✓
- (b) Using antivirus software
- (c) Creating strong passwords
- (d) Using a VPN

100. What type of monitoring file is commonly used and accepted from Internet sites?

- (a) Cookies ✓
- (b) Blogs
- (c) Websites
- (d) Links

