Mohammad Ali Jinnah University

SAMPLE ADMISSION TEST PAPER
FALL 2020

Composition of Online Admission Test

S.No.	Subjects	No. of Questions
1.	**ENGLISH** o **Vocabulary** o **Synonym** o **Antonym** o **Grammar** o **Analogy** o **Comprehension etc.**	**15**
2.	**MATHEMATICS** o **Arithmetic** o **Algebra** o **Geometry** o **Word Problems etc.**	**10**
3.	**ANALYTICAL** o **Deductive and Inductive Logic** o **Critical Thinking etc.**	**10**
4.	**GENERAL KNOWLEDGE**	**05**

1. CHOOSE CORRECT SYNONYM.

1. Ability

A. Absorbed
B. Capacity
C. Misuse
D. Self-denial

2. Massive

A. Huge
B. Little
C. Lump sum
D. Strong

2. CHOOSE CORRECT ANTONYM

3. Wondrous

A. Astounding
B. Commonplace
C. Unexpected
D. Unsurprising

4. Criticize

A. Approve
B. Blame
C. Praise
D. Punish

3. COMPREHENSION PASSAGE

Read the following passage and answer the questions below:

The explosion of a star is an awesome event. The most violent of these cataclysms, which produce supernovae, probably destroys a star completely. Within our galaxy of roughly 100 billion stars the last supernova was observed in 1604. Much smaller explosions, however, occur quite frequently, giving rise to what astronomers call novae and dwarf novae. If the exploding star is in a nearby part of the galaxy, it may create a "new star" that was not previously visible to the naked eye. The two stars are so close together that they revolve around a point that lies barely outside the surface of the larger star. As a result, the period of rotation is usually only a few hours, and their velocities range upward to within a two-hundredth of the speed of light.

(COMPREHENSION QUESTIONS)

5. **The production of supernova**

A.   occurs frequently
B.   occurs 25 times in 1 year
C.   occurred in 1946
D.   occurred in 1604

6. The period of rotation is usually:

    A.   Two hundred of speed of light

    B.   Within range of two hundredth speed of light

    C.   Velocity is not more than two hundredth

    D.   Velocities range upward to within a two-hundredth of the speed of light

4. CHOOSE APPROPRIATE ANALOGY.

7. Bacteria : Decomposition ::

    A. Antibiotic : Injection

    B. Oxygen : Treatment

    C. Volcano : Eruption

    D. Yeast: Fermentation

8. Leaf : Oak ::

    A. Berry : Fruit

    B. Bulb : Tulip

    C. Needle : Pine

    D. Tree : Fores

5. SENTENCE COMPLETION.

9. She hadn't eaten all day, and by the time she got home she was _____.

    A. blighted

    B. confutative

    C. ostentatious

    D. ravenous

10 Clearly refuting sceptics, researchers have _____ not only that gravitational radiation exists but that it also does exactly what the theory___ it should do.

    A. assumed - deducted

    B. demonstrated - predicted

    C. estimated - accepted

    D. supposed - asserted

PART – II (MATHS)

1. ARITHMETIC

11. The ratio 5:20 expressed as percent equals to _____?

    A.   125

    B.   25

    C.   50

    D.   None of above

12. Find the average of all numbers between 6 and 34 which are divisible by 5?
   A. 15
   B. 20
   C. 25
   D. 30

13. If 3x−y=27 and 3x+y=243, then find the value of x?
   A. 1
   B. 2
   C. 3
   D. 4

14. What will be the fraction of 20%?
   A. 1/10
   B. 1/4
   C. 1/5
   D. None of above

2. WORD PROBLEMS

15. A bag contains 2 red, 3 green and 2 blue balls. Two balls are drawn at random. What is the probability that none of the balls drawn is blue?
   A. 10/21
   B. 11/21
   C. 2/7
   D. 5/7

16. Seats for Mathematics, Physics and Biology in a school are in the ratio 5 : 7 : 8. There is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be the ratio of increased seats?
   A. 2 : 3 : 4
   B. 6 : 7 : 8
   C. 6 : 8 : 9
   D. None of these

17. A, B, C subscribe Rs. 50,000 for a business. A subscribes Rs. 4000 more than B and B Rs. 5000 more than C. Out of a total profit of Rs. 35,000, A receives?
   A. Rs. 11,900
   B. Rs. 13,600
   C. Rs. 14,700
   D. Rs. 8,400

3. GEOMETRY

18.   **Vertical angles that are opposite to each other are also?**

   A. equal

   B. not equal

   C. opposite

   D. scalene

19. The exterior angles of any polygon sum up to?

   A. 180°

   B. 270°

   C. 360°

   D. 90°

PART – III (ANALYTICAL)

1.   ANALYTICAL

Read and answer following questions.

Five cartoon videos A, B, C, D, E are to be played to kids in a sequence meeting the condition given below:

- A must be played earlier than C.
- B must be played earlier than D.
- E must be the fifth video played.

20. Choose the correct sequence of videos played to kid:
   A. A, C, B, D, E
   B. A, E, D, C, B
   C. B, D, A, C, E
   D. B, D, C, A, E

21. If C is played earlier than E, then which one of following will be true?
   A. A is the first video played.
   B. C is the third video played.
   C. D is the fifth video played.
   D. B is the second video played.

PART – IV (GENERAL KNOWLEDGE)

22. **In June 2020 the Sindh provincial govt began the conservation and renovation of a centuries old archaeological site located in Karachi known as_____?**
    A. Salahar Tombs
    B. **Chaukhandi Tombs**
    C. Charnemag Tombs
    D. Khanja Tombs

23. **Who is the Current President and CEO of the Bank of Punjab (BoP)?**
    A. Zaheer Masud
    B. **Zafar Masud**
    C. Azhar Masud
    D. None of these

24. **In May 2020, The World Bank restored Pakistan's budgetary support after four years by approving a policy loan of_____?**
    A. $250 Million
    B. $350 Million
    C. $450 Million
    D. **$500 Million**

25. **Name the former governor of Balochistan who died of coronavirus in Karachi on May 20, 2020.**
    A. Owais Ahmed Ghani
    B. Miangul Aurangzeb
    C. Syed Abdur Rahem
    D. **Syed Fazal Agha**

ANSWER KEY

1	A	8	C	15	A
2	B	9	D	16	A
3	B	10	B	17	C
4	C	11	B	18	A
5	D	12	D	19	C
6	D	13	D	20	D
7	D	14	C	21	C
22	B	23	B	24	D
25	D				

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