C.U.SHAH UNIVERSITY
Summer Examination-2019

Subject Name : Pedagogy of Mathematics Group-B

Subject Code : 4ED02PMA2   **Branch: B.Ed. (English)**

Semester: 2   **Date: 02/05/2019**   **Time: 02:30 To 05:30**   **Marks: 70**

Instructions:
- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q:1(A) Give answer of the following question in 500 words (any one)   **(08)**

   (1) Write a note on Aarybhatt's and Pythagoras's Contribution in Mathematics

   (2) Write a note on Characteristics of Mathematics teacher and its Professional Pugnacity.

Q:1(B) Give answer of the following question in 150 words (any two)   **(06)**

  (1) Describe internal evaluation of 8th standard Mathematics of new Syllabus.

   (2) Write a note on Aim, Objective and Importance of Geometry Education.

   (3) Write an importance and activity of Talent search Programme.

Q:2(A)Give answer of the following question in 500 words (any one)   **(08)**

   (1) Give detail introduction of Mathematics Club.

   (2) Write a note on Diagnosis test and Remedial Work.

Q:2(B) Give answer of the following question in 150 words (any two)   **(06)**

   (1) Which type of an ideal questions paper you set as a Mathematics Teacher?

      Write its characteristics.

   (2) What is Teacher Hand book? Which matter is consisting in hand book?

   (3) Write a difference between Stray Lesson and Unit Lesson.

Q:3(A) Give answer of the following question in 500 words (any one)   **(08)**

   (1) The scores run scored in a cricket match by 11 players is as follows:
      6, 15, 120, 50, 100, 80, 10, 15, 8, 10, 15   find the mean, mode and median of this data. Are the three same?

(2) The lateral surface area of a hollow cylinder is 4224cm^2. It is cut along its height and formed a rectangular sheet of with 33cm. find the perimeter of rectangular sheet?

Q:3(B) Give answer of the following question in 150 words (any two)   (06)

(1) At Srinagar temperature was -5^{0}C on Monday and then it dropped by 2^{0}C on Tuesday. What was the temperature of Srinagar on Tuesday? On Wednesday, it rose by   4^{0}C, what was the temperature on this day?

(2) A loaded truck travels 14km in 25 minutes. If the speed remains the same, how far can it travel in 5 hours?

(3) 2025 plants are to be planted in a garden in such a way that each row contains as many plants as the number of rows. Find the number of rows and the number of plants in each row.

Q:4(A)Give answer of the following question in 500 words (any one)   (08)

(1)   A circle flower bed is surrounded by a path 4 m wide. The diameter of the flower bed is 66 m. What is the area of this path? (take π = 3.14)

(2) A park is the shape of a quadrilateral ABCD. Has angle C = 90 ^{0}, AB= 9 m, BC=12 m. CD=5 m and AD=8 m. How much area does it occupy?

Q:4(B) Give answer of the following question in 150 words (any two)   (06)

(1) Give simple form of : $\dfrac{25 \times 5^2 \times t^8}{10^3 \times t^4}$

(2) The sum of three consecutive multiples of 8 is 888. Find the multiples.

(3) Find multiplication of : (2.5L-0.5M)અને (2.5L+0.5M)

Q: 5 Give answer of the following question in one word or bunch of words.   (14f

(1) Arrange the following in descending order : 2/9, 2/3, 8/21

(2) If a=2 and b= -2 find the value of $a^2 – b^2$

(3) Find the smallest number by which each 128 number must be divided to obtain a perfect cube.

(4) Find multiplication of : $(a^2) \times (2a^{22}) \times (4a^{26})$

(5) Write a formula of Euler.

(6) Find the mean of the first five whole numbers.

(7) know the degree of the polynomial of : x^5-x^4+3

(8) The cost of a notebook is twice the cost of pen. Write a linear equation in two variables to represents this statement.

(9) Write a name of Euclid's famous Mathematics book.

(10) Write equation for the following statement: three-forth of t is 15.

(11) Give full name of (i) FA (ii) SA

(12) Give brief understanding of any one technique of Vedic Mathematics with proper example

(13) Write different types of Questions.

(14)Write any two names of Mathematics Magazine.