

# Santosh Academia Talent Examination (2025-26) CLASS-XI (PCB) STUDYING

PAPER-1 SET CODE: [A]

Test ID: 732 Time: 1 Hour Max. Marks: 120

#### **IMPORTANT INSTRUCTIONS:**

#### **GENERAL**

1. This booklet is your Question Paper.

- 2. The Test ID is printed on the left-hand top corner of this sheet. If not, contact the invigilator for change of question paper.
- **3.** Use the Optical Mark Recognition (OMR) sheet provided separately for answering the questions. DO NOT FILL till you are told to do so.
- **4.** The TEST PAPER NUMBER is printed on the left-hand top corner of the question paper and SET CODE is printed on the Right-hand top corner of the question paper. Ensure that you fill this in OMR as that on the question paper booklet.
- **5.** Blank spaces are provided within this booklet for rough work. No additional rough sheet will be provided.
- **6.** You are ALLOWED to take away the Question Paper at the end of the examination.

## **QUESTION PAPER FORMAT**

7. This Paper contains 30 questions in total.

Section-I: Question Number 1 to 5 belongs to Physics.

Section-II: Question Number 6 to 10 belongs to Chemistry.

Section-III: Question Number 11 to 15 belongs to Botany.

Section-IV: Question Number 16 to 20 belongs to Zoology.

Section-V: Question Number 21 to 30 belongs to Mental Ability.

#### **MARKING SCHEME:**

- **8.** Each question carries 4 marks. For each correct response, the candidate will get 4 marks.
- **9.** There is a negative marking of -1 mark for incorrect response for section I, II III and IV. No marks will be deducted for unmarked questions.
- 10. There is no negative marking for incorrect response or unmarked questions for Section V.









SAMPLEPAPER









# **SECTION-I PHYSICS**

| 1. | Number of particles is given by $n = -D \frac{n_2 - n_1}{n_1}$ crossing a unit area perpendicular to X- axis in unit | it |
|----|----------------------------------------------------------------------------------------------------------------------|----|
|    | $\mathbf{x}_2 - \mathbf{x}_1$                                                                                        |    |

time, where  $n_1$  and  $n_2$  are number of particles per unit volume for the value of x meant to  $x_2$  and  $x_1$ . Find dimensions of D called as diffusion constant

- (a)  $M^0LT^2$
- (b)  $M^0L^2T^{-4}$
- (c)  $M^0LT^{-3}$
- (d)  $M^0L^2T^{-1}$
- 2. A particle moves along a circular arc of radius R making an angle of  $\theta$  at centre. The magnitude of displacement is
  - (a)  $2R\sin(\theta/2)$
- (b)  $2R\sin\theta$
- (c)  $R \sin(\theta/2)$
- (d)  $R \sin \theta$
- 3. The horizontal range of a projectile is  $4\sqrt{3}$  times its maximum height. Its angle of projectile will be:
  - (a) 45°
- (b) 60°
- (c) 90°
- (d) 30°
- 4. A body of mass m is displaced from point A(3, 1, 2) to point B(4, 3, 3) under the effect of a force  $\vec{F} = (3\hat{i} + 2\hat{j} + 4\hat{k})N$ , calculate W.D. by the force.
  - (a) 57 J
- (b) 11 J
- (c) 0

- (d) 22 J
- 5. The angular velocity of the body changes from  $\omega_1$  to  $\omega_2$  without applying torque but by changing moment of inertia. The ratio of initial radius of gyration to the final radius of gyration is
  - (a)  $\omega_2 : \omega_1$
- (b)  $\omega_2^2 : \omega_1^2$
- (c)  $\sqrt{\omega_2}:\sqrt{\omega_1}$
- (d)  $\frac{1}{\omega_2}:\frac{1}{\omega_1}$

### **SECTION-II CHEMISTRY**

- **6.** Which one of the following has maximum number of atoms?
  - (a) 1 g of Mg (s) [Atomic mass of Mg = 24]
- (b)  $1g \text{ of } O_2(g)$  [Atomic mass of O = 16]
- (c) 1 g of Li (s) [Atomic mass of Li = 7]
- (d) 1 g of Ag (s) [Atomic mass of Ag = 108]
- 7. What is the maximum number of electrons that can be associated with the following set of quantum numbers? (n = 3, l = 1 and m = -1)
  - (a) 10
- (b) 6

(c) 4

- (d) 2
- **8.** In which of the following options, the order of arrangement does not agree with the variation of property indicated against it?
  - (a) B < C < N < O (increasing first ionization enthalpy)
  - (b) I < Br < F < Cl (increasing electron gain enthalpy)
  - (c) Li < Na < K < Rb (increasing metallic radius)
  - (d)  $Al^{3+} < Mg^{2+} < Na^+ < F^-$  (increasing ionic size)
- **9.** Which of the following set of molecules will have zero dipole moment?
  - (a) Boron trifluoride, hydrogen fluoride, carbon dioxide, 1, 3-dichlorobenzene
  - (b) Nitrogen trifluoride, beryllium difluoride, water, 1, 3-dichlorobenzene
  - (c) Boron trifluoride, beryllium difluoride, carbon dioxide, 1, 4-dichlorobenzene
  - (d) Ammonia, beryllium difluoride, water, 1, 4- dichlorobenzene









10. Match the List (I) with List (II)

|     | List-       | ·I    |         |        |         |           |               |            | List-   | ·II    |       |        |          |            |           |           |
|-----|-------------|-------|---------|--------|---------|-----------|---------------|------------|---------|--------|-------|--------|----------|------------|-----------|-----------|
|     | A.          | Isc   | ther    | mal    |         |           |               |            | 1.      | No     | hea   | t ex   | change   |            |           |           |
|     | B.          | Isc   | chor    | ic     |         |           |               |            | 2.      | Car    | rriec | l out  | t at con | stant te   | mperature | ;         |
|     | C.          | Isc   | bario   | 2      |         |           |               |            | 3.      | Ca     | rriec | d out  | t at con | stant vo   | olume     |           |
|     | D.          | Ac    | liaba   | tic    |         |           |               |            | 4.      | Ca     | rriec | l out  | t at con | stant pı   | ressure   |           |
|     | Cod         | es:   |         |        |         |           |               |            |         |        |       |        |          |            |           |           |
|     |             | A     | В       | C      | D       |           |               |            |         |        | В     | C      | D        |            |           |           |
|     | (a)         | 2     | 3       | 4      | 1       |           |               |            | (b)     | 1      |       | 3      | 4        |            |           |           |
|     | (c)         | 3     | 2       | 1      | 4       |           |               |            | (d)     | 3      | 1     | 2      | 4        |            |           |           |
|     |             |       |         |        |         |           | SECTIO        | N-III B    | OTA     | NY     |       |        |          |            |           |           |
| 11. | The         | Han   | nmer    | ling   | Exper   | iment o   | n Acetabula   | ria invol  | ves th  | e exc  | chan  | ging   | g of     |            |           |           |
|     | (a)         | Νu    | ıcleu   | S      |         | (b)       | Cytoplasm     | 1          | (c)     | Ga     | met   | es     |          | (d)        | Rhizoid   |           |
| 12. | Iden        | tify  | the ti  | ue s   | tateme  | ents from | m given belo  | ow staten  | nents   |        |       |        |          |            |           |           |
|     | (i)         | Inc   | creas   | e in   | mass a  | and incr  | ease in num   | ber of in  | dividu  | ıals a | ire t | win    | charact  | eristics   | of growth | 1         |
|     | (ii)        | A     | multi   | icellı | ılar oı | ganism    | grows by co   | ell divisi | on      | 1      |       | V      |          |            |           |           |
|     | (iii)       | In    | plant   | ts gro | owth o  | occurs b  | y cell divisi | on which   | is sec  | en or  | ıly ı | ıp to  | a certa  | in age     |           |           |
|     | (iv)        | In    | anim    | als,   | growt   | h occur   | s continuous  | sly throu  | ghout   | their  | life  | spa    | n and c  | ell divi   | sion occu | rs in all |
|     |             | tis   | sues    | to re  | place   | lost cel  | ls            |            | 1       |        |       |        |          |            |           |           |
|     | (v)         | Un    | icell   | ular   | organ   | isms m    | ultiply by ce | ll divisio | n       |        |       |        |          |            |           |           |
|     | (a)         | (i)   | and     | (iii)  | W       |           |               |            | (b)     | (i),   | (ii)  | and    | (v)      |            |           |           |
|     | (c)         | (i).  | , (ii), | (iii)  | and (   | v)        |               |            | (d)     | (i),   | (ii)  | , (iv) | and (v   | <b>'</b> ) |           |           |
| 13. | The<br>meio |       |         | of a   | ppeara  | ance of   | recombinat    | tion nodu  | ıles o  | ccur   | s at  | wh     | ich sub  | -stage     | of propha | ase I in  |
| -   | (a)         | Di    | akine   | esis   |         | (b)       | Zygotene      |            | (c)     | Pac    | chyt  | ene    |          | (d)        | Diploten  | ie        |
| 14. | Cho         | ose t | he w    | rong   | state   | ment      |               |            |         |        |       |        |          |            |           |           |
|     | (a)         | Ye    | ast is  | s uni  | cellul  | ar and u  | seful in ferr | nentation  | 1       |        |       |        |          |            |           |           |
|     | (b)         | Pe    | nicil   | lium   | is mu   | lticellul | ar and produ  | uces anti  | biotics | S      |       |        |          |            |           |           |
|     | (c)         | Ne    | uros    | pora   | is use  | ed in the | e study of bi | ochemic    | al gen  | etics  |       |        |          |            |           |           |
|     | (d)         | Mo    | orels   | and    | truffle | es are p  | oisonous mu   | ıshrooms   |         |        |       |        |          |            |           |           |
| 15. | In C        | alotr | opis,   | , aest | tivatio | n is      |               |            |         |        |       |        |          |            |           |           |
|     |             |       | •       |        |         |           | Vevillary     |            | (c)     | Iml    | hric  | ate    |          | (d)        | Twisted   |           |







This is a correct statement with reference to enzymes

(a) Holoenzyme = Coenzyme + Co-factor

**16.** 



Holoenzyme = Apoenzyme +Coenzyme

# **SECTION-IV ZOOLOGY**

(b)

|     | (c)                                                                                                                        | Apoenzyme = Ho                                                                                              | loenzyı                                  | ne +Coenzyme                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (d)                                        | Coenzyme = Apo                                                                    | enzyme                                   | + Holoenzyme                                                           | ;               |  |  |  |
|-----|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------|-----------------|--|--|--|
| 17. | Lungs are made up of air-filled sacs, the alveoli. They do not collapse even after forceful expiration, because of         |                                                                                                             |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                            |                                                                                   |                                          |                                                                        |                 |  |  |  |
|     | (a)                                                                                                                        | Expiratory reserve                                                                                          | e volum                                  | ne                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (b)                                        | Inspiratory reserv                                                                | e volum                                  | ne                                                                     |                 |  |  |  |
|     | (c)                                                                                                                        | Residual volume                                                                                             |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (c)                                        | Tidal volume                                                                      |                                          |                                                                        |                 |  |  |  |
| 18. | Adult human RBCs are enucleated. Which of the following statement(s) is/are most appropriate explanation for this feature? |                                                                                                             |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                            |                                                                                   |                                          |                                                                        |                 |  |  |  |
|     | I.                                                                                                                         | They are somatic                                                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                            |                                                                                   | - 4                                      | $\sim$                                                                 |                 |  |  |  |
|     | II. They do not need to reproduce                                                                                          |                                                                                                             |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                            |                                                                                   |                                          |                                                                        |                 |  |  |  |
|     | III.                                                                                                                       | All their internal s                                                                                        | space is                                 | available to transpo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ort oxy                                    | gen                                                                               |                                          | 1                                                                      |                 |  |  |  |
|     | IV.                                                                                                                        | They do not meta                                                                                            | bolize                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                            |                                                                                   |                                          |                                                                        |                 |  |  |  |
|     | (a)                                                                                                                        | I, II, and IV                                                                                               | (b)                                      | III and IV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (c)                                        | Only III                                                                          | (d)                                      | Only I                                                                 |                 |  |  |  |
| 19. | A de                                                                                                                       | ecrease in blood pre                                                                                        | ssure/v                                  | olume will not cause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | e the re                                   |                                                                                   |                                          |                                                                        |                 |  |  |  |
|     | (a)                                                                                                                        | ADH                                                                                                         |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (b)                                        | Renin                                                                             |                                          |                                                                        |                 |  |  |  |
|     | (c)                                                                                                                        | Atrial natriuretic                                                                                          |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (d)                                        | Aldosterone                                                                       |                                          |                                                                        |                 |  |  |  |
| 20. | The                                                                                                                        | pivot joint between                                                                                         | atlas aı                                 | nd axis is a type of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                                                                   |                                          |                                                                        |                 |  |  |  |
|     | (a)                                                                                                                        | Fibrous joint                                                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (b)                                        | Synovial joint                                                                    |                                          |                                                                        |                 |  |  |  |
|     | (c)                                                                                                                        | Saddle joint                                                                                                |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (d)                                        | Cartilaginous join                                                                | t                                        |                                                                        |                 |  |  |  |
|     |                                                                                                                            |                                                                                                             | SE                                       | CTION-V MEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ΓAL A                                      | BILITY                                                                            |                                          |                                                                        |                 |  |  |  |
| 21. | Dire                                                                                                                       | ection: Study the fol                                                                                       | lowing                                   | information careful                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | lly and                                    | answer the given qu                                                               | estion.                                  |                                                                        |                 |  |  |  |
|     | Seve<br>the<br>floo<br>Thre                                                                                                | en persons P, Q, R, lowermost floor is numbered seve ee persons live betwee S. Only one persons live floor. | S, T, U<br>number<br>n. Only<br>veen P a | and V live on severed one, the one about one person lives out of Q. T lives immediately and Q. T lives immediately and Q. T lives immediately and person lives and person lives on severe and person lives on severe and person lives on lives | en diffe<br>ve that<br>on each<br>ediately | rent floors of a seven is numbered two and floor. P lives on a brabove Q. As many | en store<br>nd so o<br>an even<br>person | y building when<br>n till the topmo<br>numbered floo<br>s live below T | st<br>or.<br>as |  |  |  |
|     | In w                                                                                                                       | hich of the following                                                                                       | ig floor                                 | does P live?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                                                                                   |                                          |                                                                        |                 |  |  |  |
|     | (a)                                                                                                                        | 4 <sup>th</sup> floor                                                                                       | (b)                                      | 6 <sup>th</sup> floor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (c)                                        | 3 <sup>rd</sup> floor                                                             | (d)                                      | 2 <sup>nd</sup> floor                                                  |                 |  |  |  |
| 22. | Dire                                                                                                                       | ection: Study the fol                                                                                       | lowing                                   | information careful                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | lly and                                    | answer the given qu                                                               | estion.                                  |                                                                        |                 |  |  |  |
|     | poir<br>the                                                                                                                | bha is standing at post B. Then he turns north and walks for 13km to reach point                            | towards<br>15 km                         | the east and walks<br>to reach point D. F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | for 12<br>From po                          | km to reach point Coint D, he turns tow                                           | Now,                                     | he turns toward<br>e west and wall                                     | ds              |  |  |  |



(a)

3km, East



1km, East

(c)

2km, South

(d)

Point F is at what distance and in which direction with respect to point A?

(b)

1km, West





**23.** Study the following statements and then decide which of the given conclusions logically follows from the given statements disregarding the commonly known facts.

Some Lyre is Oboe.

All Lute is Lyre.

**Conclusions:** I. All Tuba is Lute

II. Some Tuba is not Oboe

(a) Only conclusion I follows

- (b) Either conclusion I or II follows
- (c) Both conclusions I and II follow
- (d) Neither conclusion I nor II follows
- **24.** *Direction:* Study the following information carefully and answer the given question.

"Current events newspaper data" is coded as "yx we ip gd"

"Events organisation information occasion" is coded as "we yu vj lm"

"Current incident organisation episode" is coded as "yx vb lm qw"

"Data information note ward" is coded as "ub gd vj mx"

(Note: All the given codes are two letter codes only)

What is the word for the code "we" in the given code language?

- (a) Data
- (b) Organisation
- (c) Events
- (d) Occasion

**25.** Find the missing number?

8, ?, 29, 57, 113, 225

- (a) 24
- (b) 15

- (c) 30
- (d) 24
- **26.** Rahul invests Rs. 2500 in simple interest scheme at the rate of 8% per annum for x years. Find the value of x, he received the simple interest after x years is Rs.800.
  - (a) 2 years
- (b) 3 years
- (c) 6 years
- (d) 4 years
- 27. Rahul invests Rs.2500 in simple interest scheme at the rate of 8% per annum for x years. Find the value of x, he received the simple interest after x years is Rs.800.
  - (a) 2 years
- (b) 3 years
- (c) 6 years
- (d) 4 years

**28.** Which one will replace the question mark?

| 4  | 5  | 6        |
|----|----|----------|
| 2  | 3  | <b>7</b> |
| 1  | 8  | 3        |
| 21 | 98 | ?        |

(a) 94

(b) 76

(c) 16

(d) 73









Count the number of triangles and squares in the given figure. 29.



28 triangles, 10 squares (a)

(b) 28 triangles, 8 squares

(c) 32 triangles, 10 squares

- (d) 32 triangles, 8 squares
- **30.** In the following question find out the alternative which will replace the question mark.

Eye: Myopia:: Teeth:?

- SAMPLE Pyorrhoea (a)
  - Cataract (b)
- Trachoma (c)
- (d) Eczema







#### **ROUGH WORK**





