

QUESTION PAPER (PHASE - I)

CLASS - VII

ENGLISH (15)

Q1. Which of the following is a complex sentence ?

- (A) I got there on time.
- (B) I got there, so everyone else got there.
- (C) I got there before everyone else got there.
- (D) None of the above.

Q2. “Say hello to Madhur”, Mom said. The tone of the sentence is-

- (A) request
- (B) statement
- (C) command
- (D) question

Q3. Choose the correct verb for the blank given below.

I knew you were very busy, so I _____ you.

- (A) didn't disturb
- (B) disturbing
- (C) disturbed
- (D) will disturb

Q4. I was in a hurry, so I _____ time to phone you.

- (A) haven't
- (B) didn't have
- (C) hadn't
- (D) will have

Q5. To complete the task, you need _____ the tools not just a few.

- (A) most
- (B) some
- (C) any
- (D) all

Q6. Man is _____ mortal.

- (A) no article
- (B) a
- (C) the
- (D) an

Q7. Rishabh behaves very _____ with his elders.

- (A) goodly
- (B) badly
- (C) easily
- (D) eagerly

Q8. It was _____ who encouraged _____ all the time.

- (A) he, me (B) them, I (C) him, I (D) None of these

Q9. Saina Nehwal is a well known _____ of badminton.

- (A) sports man (B) cricketer (C) sportsperson (D) None of these

Q10. Males are not allowed to sit on _____ seats.

- (A) ladies's (B) ladies (C) ladies' (D) None of these

Q11. The students _____ to submit the report by the end of this week.

- (A) is asked (B) are asked (C) has asked (D) both (A) and (B)

Q12. Does your father pick you up? The correct passive voice is-

- (A) You are picked up by your father.
(B) Are you picked up by your father ?
(C) Who picks you up ?
(D) None of these

Q13. Let him bring some chocolates.

- (A) Let some chocolates be brought by him.
(B) Some chocolates can be brought by him.
(C) He will bring some chocolates.
(D) None of these

Q14. We took this decision after judging all the _____ of this matter.

- (A) pros and cons (B) with open arms (C) in the face of (D) in vogue

Q15. We were all _____ when we heard that we won the competition.

- (A) take to heart (B) taken aback (C) out and out (D) none of these

MATHEMATICS (15)

Q16. In a class test of 20 questions, 5 marks are given for every correct answer and (–2) marks are given for every incorrect answer. Gurpreet attempts all questions but only 8 of her answers are correct. If Gurpreet gives 10 correct answers, how much more marks she could get?

- (A) 16 (B) 14 (C) 12 (D) 18

Q17. If $\frac{3}{4}$ of an estate is worth Rs. 90,000, then the value of $\frac{2}{3}$ of the same will be-

- (A) Rs. 60,000 (B) Rs. 65,000 (C) Rs. 70,000 (D) Rs. 80,000

Q18. If book P contains 50 more pages than Q and total number of pages in both books is 280. Find the number of pages in book Q.

- (A) 115 (B) 165 (C) 120 (D) 95

Q19. If one angle is $\frac{2}{3}$ of its complementary angle, then find the difference of two angles.

- (A) 54 (B) 27 (C) 18 (D) 20

Q20. Simplify: $[0.9 - \{2.3 - 3.2 - (7.1 - 5.4 - 3.5)\}]$

- (A) 0.18 (B) 0 (C) 1.8 (D) 2.6

Q21. The value of $\frac{3^{(12+n)} \times 9^{(2n-7)}}{3^{5n}}$ is

- (A) $\frac{1}{3}$ (B) $\frac{9}{13}$ (C) $\frac{1}{9}$ (D) $\frac{2}{3}$

Q22. The average of 11 numbers is 32. If the average of the first six numbers is 34 and that of the last six is 33, then the sixth number is

- (A) 34 (B) 25 (C) 50 (D) 36

Q23. If the angles of a triangle are in the ratio 1: 2: 1, then which of the following statement(s) is/ are correct:

(i) Triangle is right angled triangle.

(ii) Triangle is an isosceles triangle.

(iii) Angles of triangle are 45° , 45° and 90° respectively.

- (A) (i) and (iii) is correct (B) Only (iii) is correct
(C) (ii) and (iii) is correct (D) (i) and (ii) is correct

Q24. Find the value of x , if $\frac{x-3}{5} - \frac{2x+1}{3} = -7$

- (A) 10 (B) 13 (C) 8 (D) -5

Q25. Which of the following pairs of integers have 5 as a difference ?

- (A) 10, 5 (B) -10, +5 (C) 15, -20 (D) 8, -3

Q26. Lines m and n are cut by a transversal so that $\angle 1$ and $\angle 5$ are corresponding angles. If $\angle 1 = 26x - 7$ and $\angle 5 = 20x + 17$. What value of x makes the lines m and n parallel?

- (A) 5 (B) 4 (C) $4\frac{1}{2}$ (D) $3\frac{1}{4}$

Q27. If the lengths of two sides of a triangle are 5 cm and 7cm, then what can be the length of the third side ?

- (A) Greater than 2 cm (B) Greater than 12 cm
(C) Lesser than 12 cm (D) Both (A) and (C)

Q28. Which of the following is equivalent to 7.7×10^{-6} ?

- (A) 0.00000077 (B) 0.0000077 (C) 0.000077 (D) 0.00077

Q29. The following number of goals were scored by team A in a series of 10 matches.

2, 1, 4, 5, 3, 2, 1, 1, 4, 3

The mode of these scores is

- (A) 4 (B) 3 (C) 1 (D) 5

Q30. What fraction of Rs. 3 is 40 paise ?

- (A) $\frac{1}{5}$ (B) $\frac{4}{9}$ (C) $\frac{2}{15}$ (D) $\frac{6}{11}$

SCIENCE (15 MARKS) PHY. + CHEM. + BIO

PHYSICS (5)

Q31. How does time period (T) of a Simple Pendulum vary with Length (L) ?

- (A) $T \propto \sqrt{L}$ (B) $T \propto L^2$ (C) $T \propto L$ (D) T does not depend on L

Q32. A car travels half the distance with speed V and the remaining distance with speed 2V. Its average speed is

- (A) $\frac{2v}{3}$ (B) $\frac{4v}{3}$ (C) $\frac{3v}{4}$ (D) $\frac{v}{3}$

Q33. Heat causes expansion because

- (A) heat occupies space (B) matter tries to escape heat
(C) it increases the movement of molecules (D) it is property of Heat

Q34. What is the relationship between Celsius and Fahrenheit scales at -40 degrees ?

- (A) They are Equal.
(B) Fahrenheit is 40 degrees higher
(C) Celsius is 40 degrees higher
(D) There is no specific relationship at -40

Q35. Which combination of statements is correct ?

- I. An Electromagnet can be made without Electricity**
- II. An Electromagnet can be made without a bar magnet.**
- III. An Electromagnet remains a magnet even after current stops flowing**
- IV. Strength of an Electromagnet can be increased.**
- V. Electromagnets are used in many toys.**

- (A) only I and V
- (B) only II, IV and V
- (C) only I, III and V
- (D) All I, II, III, IV and V

CHEMISTRY (5)

Q36. Sodium hydrogen carbonate when added to acetic acid evolves a gas. Which of the following statements are true about the gas evolved ?

- (i) It turns lime water milky**
- (ii) It extinguishes a burning splinter**
- (iii) It dissolves in a solution of sodium hydroxide**
- (iv) It has a pungent odour**

- (A) (i) and (ii)
- (B) (i), (ii) and (iii)
- (C) (ii), (iii) and (iv)
- (D) (i) and (iv)

Q37. Molecular formulae of baking soda and washing soda are respectively

- (A) Na_2CO_3 , NaHCO_3
- (B) NaCl , Na_2CO_3
- (C) NaHCO_3 , Na_2CO_3
- (D) NaOH , NaHCO_3

Q38. Which of the following statements is/ are correct ?

- (i) Manure formation from leaves is a chemical change**
- (ii) Chemically iron and Rust are same**
- (iii) Breakdown of ozone to oxygen is a chemical change**
- (iv) Zinc coated iron pipes rust easily**

- (A) (ii) only
- (B) (i) and (iii) only
- (C) (ii) and (iii) only
- (D) (i) and (iv) only

Q39. In which forest layer do shrubs and herbs grow ?

- (A) Emergent
- (B) Canopy
- (C) Understorey
- (D) forest floor

Q40. When magnesium oxide is dissolved in water, the solution formed_____.

- (A) turns red litmus blue.
- (B) turns blue litmus red.
- (C) gives no colour with phenolphthalein.
- (D) gives back the magnesium ribbon on standing.

BIOLOGY (5)

Q41. Which of the following is a part of small intestine ?

- (A) Jejunum
- (B) Caecum
- (C) Colon
- (D) Rectum

Q42. The red coloured pigment present in blood is called (P). It combines with oxygen to form a temporary compound called (Q).

- (A) P – Haemoglobin, Q- Carboxyhaemoglobin
- (B) P – Haemoglobin, Q – Oxyhaemoglobin
- (C) P- RBCs, Q – Haemoglobin
- (D) P – RBCs, Q – Carboxyhaemoglobin

Q43. Water is absorbed from roots of a plant. It goes to the leaves. This process is known as _____.

- (A) osmosis
- (B) photosynthesis
- (C) respiration
- (D) transpiration

Q44. Intercostal muscles are found attached with_____.

- (A) digits
- (B) pelvic cavity
- (C) space between fingers
- (D) ribs

Q45. Raju was suffering from severe stomach pain and the doctor diagnosed that he was suffering from peptic ulcers and treated him with antibiotics. He was relieved of pain.

What could be the reason for peptic ulcers?

- (A) Reduced secretion of hormones
- (B) Reduced water content
- (C) Growth of *Helicobacter pylori*
- (D) Excess secretion of enzyme

APTITUDE (15)

Q46. If 14th July of 1995 was Friday, then what was the day on 30th March 1994 ?

- (A) Monday
- (B) Sunday
- (C) Tuesday
- (D) Wednesday

Q47. If 1st October is Sunday, then 1st November will be ?

- (A) Monday (B) Tuesday (C) Wednesday (D) Thursday

Q48. Which two months in a year have the same calendar?

- (A) June, October (B) April, November
(C) April, June (D) September, December

Q49. 'Environment Day' falls on Thursday, then on which day 'Children's day' will fall in the same year ?

- (A) Sunday (B) Wednesday (C) Tuesday (D) Friday

Q50. A and B are brothers, C and D are sisters. The son of A is brother of D. Then the relation of B with C is

- (A) Husband (B) Brother (C) Uncle (D) Nephew

Q51. Read the following information carefully and answer the question given below :

(i) A + B means A is the daughter of B

(ii) A – B means A is the husband of B.

(iii) A × B means A is the Brother of B.

If P + Q – R, which one of the following is true ?

- (A) R is the mother of P (B) R is sister of P
(C) R is aunt of P (D) R is mother –in– law of P

Q52. At what time between 6 and 7 will be the hands of a watch makes an angle of

$$12\frac{1}{2}^{\circ} ?$$

- (A) 10 minutes Past 6 (B) 15 minutes Past 6
(C) 25 Minutes Past 6 (D) 35 minutes past 6

Q53. At the time half past three, the angle between hour and minute hand of the watch will be

- (A) 75° (B) 60° (C) 90° (D) 105°

Direction (54-55): Find the next term in given number series.

Q54. 1, 3, 7, 25, 103, ?

- (A) 521 (B) 518 (C) 504 (D) 484

Q55. 0, 14, 78, 252, ?

- (A) 448 (B) 620 (C) 636 (D) 576

Q56. If RAJASTHAN = 9R17J8L19H13 in a coded Language, then what is the encrypted from the MANIPUR in the same language ?

(A) 14R13H11G9

(B) 13M14W11B9

(C) 13R14J11F9

(D) 14M13V11J9

Q57. If FAST is coded as 798 and LAST is coded as 906, then BUSY is coded as

(A) 1759

(B) 1539

(C) 1431

(D) 952

Q58. Find the missing one from the given alternatives:

Candle : Wax :: Paper : ?

(A) Wood

(B) Tree

(C) Bamboo

(D) Pulp

Q59. '+' stands for division '÷' stands for multiplication, '×' stands for subtraction and '-' stands for addition. Which one of the following equations is correct ?

(A) $18 \div 6 - 7 + 5 \times 2 = 20$

(B) $18 + 6 \div 7 \times 5 - 2 = 18$

(C) $18 \times 6 + 7 \div 5 - 2 = 16$

(D) $18 \div 6 \times 7 + 5 - 2 = 22$

Q60. Seema and Rajat start together from a point. They walk 10 km towards North.

Seema turns to her left and walk 5 km, while Rajat turns Right and walk only 3 km.

Now Seema turns towards her left and Rajat towards his Right and Both walk 15

km forward. How far are they from each other?

(A) 2 km

(B) 8 km

(C) 13 km

(D) 15 km