

A



SCSS-ST-24

PCB Group

Question Booklet Sr. No.

112473

Exam Date : 07/04/2024

Time : 10.00 am. to 12.00 pm.

Max. Marks : 400

Important Instructions :

1. Immediately fill the particulars on this page of The Test Booklet as well as Answer-sheet with Black or Blue Ball Pen. *Use of Pencil is strictly prohibited.*
2. Do not open this Test Booklet until you are asked to do so.
3. This Test Booklet contains four sections A, B, C & D.
4. The Section-A contains 25 questions of **Physics**.
5. The Section-B contains 25 questions of **Chemistry**.
6. The Section-C contains 25 questions of **Biology**
7. The Section-D contains 25 questions of **Basic Mathematics & Mental ability**.
8. This Test Booklet contains 100 questions.
9. There are **four** choices for every question out of which only one choice is most correct (MCQ). Dark the appropriate circle on the OMR Answer-sheet with Blue/Blak Ball pen.
10. Each question carries 4 marks. There is negative marking system. For each wrong answer **1 mark will be deducted from obtained marks**.
11. Filling up more than one responses in any question will be treated as wrong response and marks for this will be deducted according to negative system.
12. No candidates is allowed to carry any printed or written textual material, bits of paper, cell phone and any other electronic devices.
13. Rough work is to be done on the space provided in the Test Booklet only.
14. On completion of the test, the candidate must hand over the Answer-sheet to the Invigilator on duty. *However, candidates are allowed to take away this Test Booklet with them.*
15. **Do not fold or make any stray marks on the Answer-sheet.**

Name of Candidate (In capital letters) : _____

Seat No. : In figures

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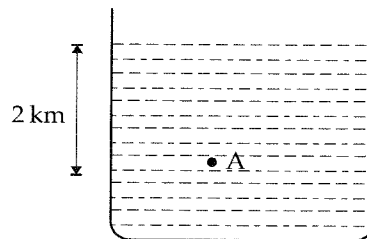
Section-A : Physics

01. A racing car has a uniform acceleration of 8 m/s^2 . The distance covered by the car in 5 seconds after the start is
- | | |
|----------|----------|
| 1) 100 m | 2) 200 m |
| 3) 300 m | 4) 400 m |
02. A bus travels one third of the total distance with a speed of 12 km/h and remaining distance with the speed of 20 km/h . The average speed of the bus is nearly _____ in km/h .
- | | |
|-------|-------|
| 1) 14 | 2) 20 |
| 3) 12 | 4) 16 |
03. A monkey is climbing up a massless rope, then the tension in the rope
- | |
|---|
| 1) Must be equal to the force applied by the monkey on rope |
| 2) Must be less than the force applied by the monkey on rope |
| 3) Must be greater than the force applied by the monkey on rope |
| 4) Must be equal to or less than or greater the force applied by the monkey on the rope |
04. The average force necessary to stop a hammer having momentum 25 Ns in 0.05 second is
- | | |
|-----------|----------|
| 1) 25 N | 2) 50 N |
| 3) 1.25 N | 4) 500 N |
05. A car weighing 1000 kg was moving with a velocity of 50 km/h on smooth horizontal rails. A mass of 250 kg is dropped into it. The velocity with which it will move just after the mass is dropped,
- | | |
|-------------|--------------|
| 1) 2.5 km/h | 2) 20 km/h |
| 3) 40 km/h | 4) 22.5 km/h |
06. **Assertion** : A force applied on the body always does work on the body
Reason : If a force applied on a body displaces the body along the direction of force, workdone will be maximum.
- | |
|---|
| 1) Both Assertion & Reason are correct and Reason is correct explanation of Assertion |
| 2) Both Assertion & Reason are correct and Reason is not correct explanation of Assertion |
| 3) Assertion is correct but Reason is incorrect |
| 4) Assertion is incorrect but Reason is correct |
07. The power of an engine is 19.6 kW . The capacity of water it can lift up per second from a well of 40 m depth is
- | | |
|----------|----------|
| 1) 48 kg | 2) 50 kg |
| 3) 52 kg | 4) 54 kg |

Space for rough work

SCSS-ST-24-PCB-(SET-A)

08. A house hold consumes 1 kWh of energy per day. This energy consumption in joule is
1) 3.6×10^5 J
2) 6.3×10^5 J
3) 6.3×10^6 J
4) 3.6×10^6 J
09. The weight of a body at the centre of the earth is
1) Zero
2) Infinite
3) Same as on the surface of the earth
4) None of these
10. A hypothetical planet has a mass of half that of the earth and the radius of twice that of the earth. What is acceleration due to gravity on the surface of the planet in terms of g (where g is acceleration due to gravity on the surface of earth)
1) g
2) $g/4$
3) $g/2$
4) $g/8$
11. A body weighs 72 N on the surface of the earth. What is the gravitational force on it, at a height equal to half of the radius of the earth?
1) 32 N
2) 30 N
3) 24 N
4) 48 N
12. A metal block of volume 500 cm^3 and density 2 g/cm^3 is suspended from a spring balance vertically and one fourth of its volume is immersed in water. The spring balance now reads, _____ N.
1) 8.575
2) 10.175
3) 500
4) 8.750
13. In the given figure the absolute pressure at point A, below sea level is
(The density of sea water = 1000 kg/m^3 , $g = 10 \text{ m/s}^2$)



- 1) 155 Kpa
2) 335 Kpa
3) 21325 Kpa
4) 201.325 Kpa

Space for rough work

14. Assertion : On rainy day sound travels slower than dry day

Reason : When moisture present in air the air density decreases

- 1) Both Assertion & Reason are correct and Reason is correct explanation of Assertion
- 2) Both Assertion & Reason are correct and Reason is not correct explanation of Assertion
- 3) Assertion is correct but Reason is incorrect
- 4) Assertion is incorrect but Reason is correct

15. While travelling from air to water path of sound beam is likely to be which one of the following?



16. The specific heat capacities of two bodies A and B are in the ratio 1 : 2 and masses are in the ratio 3 : 4 respectively. Then the ratio of their heat capacities, will be

- 1) 3 : 2
- 2) 2 : 3
- 3) 6 : 16
- 4) 13 : 8

17. 10 g of ice at -20°C is mixed with 10g water at 10°C . What will be the resultant temperature of mixture?

- 1) 5°C
- 2) 0°C
- 3) -2°C
- 4) 10°C

18. The potential difference across a resistor of resistance $10\ \Omega$, if 10^{20} electrons flow through it in one second, is _____ V.

- 1) 320
- 2) 400
- 3) 80
- 4) 160

19. Resistance of $2\ \Omega$ and $3\ \Omega$ are connected in series. If the potential difference across the $2\ \Omega$ resistor is 3V, the potential difference across $3\ \Omega$ is

- 1) 4.5 V
- 2) 9 V
- 3) 3 V
- 4) 2 V

Space for rough work

20. A fuse wire should have _____
- 1) High resistance
 - 2) Low-melting point
 - 3) Both 1 and 2
 - 4) None of these
21. Magnetic field is produced by the flow of electric current in a straight wire, this phenomenon was discovered by
- 1) Coulomb
 - 2) Oersted
 - 3) Faraday
 - 4) Maxwell
22. A virtual image larger than the object can be produced by
- 1) Concave lens
 - 2) Concave mirror
 - 3) Convex mirror
 - 4) Plane mirror
23. When angle between 2 plane mirrors is 60° , the number of images formed would be
- 1) 10
 - 2) 12
 - 3) 5
 - 4) 8
24. Two thin lenses of focal length f_1 and f_2 are kept in contact coaxially. The power of combination will be
- 1) $\frac{f_1 f_2}{f_1 + f_2}$
 - 2) $\frac{f_1 + f_2}{f_1 f_2}$
 - 3) $\frac{f_1 f_2}{f_1 - f_2}$
 - 4) $f_1 + f_2$
25. An object placed 20 cm in front of a concave mirror whose focal length is 25 cm what will be its magnification
- 1) +5
 - 2) +2
 - 3) +0.20
 - 4) -0.20

Space for rough work

26. 4d, 5p, 5f and 6p orbitals are arranged in the order of decreasing energy, the correct option is—
- 1) 5f > 6p > 5p > 4d
 2) 6p > 5f > 5p > 4d
 3) 6p > 5f > 4d > 5p
 4) 5f > 6p > 4d > 5p
27. Match the following Column-I with Column-II and select the most appropriate option given below:

Column-I	Column-II
A) Molarity	i) $n_{eq}/V(\text{lt.})$
B) Normality	ii) $n/W(\text{kg})$
C) Molality	iii) $n_A/n_A + n_B$
D) Mole fraction	iv) $n/V(\text{lt.})$

- 1) A-iv; B-i; C-iii; D-ii
 2) A-iv; B-i; C-ii; D-iii
 3) A-i; B-iv; C-iii; D-i
 4) A-i; B-iv; C-ii; D-iii
28. $\text{Zn} + \text{H}_2\text{O}(\text{steam}) \longrightarrow \text{A} + \text{B}$, in the equation A and B are
- 1) Zn, O₂
 2) ZnH₂, O₂
 3) ZnO₂, O₂
 4) ZnO, H₂
29. Which pollutant is harmful for Taj Mahal
- 1) H₂
 2) O₂
 3) SO₂
 4) N₂
30. Match the following Column-I with Column-II and select the most appropriate option given below:

Column-I	Column-II
A) Monobasic	i) KOH
B) Dibasic	ii) Ca(OH) ₂
C) Diacidic	iii) H ₂ SO ₄
D) Monoacidic	iv) HNO ₃

- 1) A-iv; B-iii; C-ii; D-i
 2) A-i; B-ii; C-i; D-iii
 3) A-iv; B-ii; C-i; D-iii
 4) A-iii; B-iv; C-ii; D-i
31. **Assertion** : Phenolphthalein is an acid-base indicator.
Reason : It gives different colours in acidic and basic medium.
- 1) Both Assertion & Reason are correct and Reason is correct explanation of Assertion
 2) Both Assertion & Reason are correct and Reason is not correct explanation of Assertion
 3) Assertion is correct but Reason is incorrect
 4) Assertion is incorrect but Reason is correct

Space for rough work

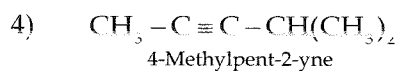
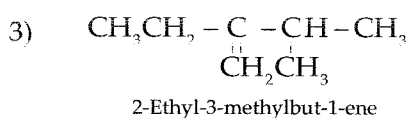
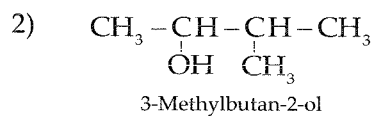
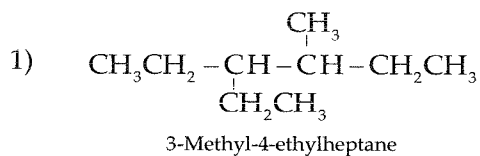
32. Which compound has both covalent as well as coordinate covalent bond?
- 1) H_2S
 - 2) CO_2
 - 3) H_2O
 - 4) N_2O_5
33. Correct decreasing power of ionisation is
- 1) $\alpha\text{-rays} > \gamma\text{-rays} > \beta\text{-rays}$
 - 2) $\alpha\text{-rays} > \beta\text{-rays} > \gamma\text{-rays}$
 - 3) $\beta\text{-rays} > \alpha\text{-rays} > \gamma\text{-rays}$
 - 4) $\gamma\text{-rays} > \beta\text{-rays} > \alpha\text{-rays}$
34. $x\text{Fe} + y\text{H}_2\text{O} \longrightarrow \text{Fe}_3\text{O}_4 + z\text{H}_2$
The coefficients x, y and z in the balanced equation are respectively
- 1) 4, 4 and 3
 - 2) 3, 3 and 4
 - 3) 3, 4 and 3
 - 4) 3, 4 and 4
35. Which of the following reaction represents the given statement?
'Silver chloride decomposes to give silver and chlorine'
- 1) $2\text{AgCl}_{(s)} \rightarrow 2\text{Ag}_{(s)} + \text{Cl}_{2(g)}$
 - 2) $\text{AgCl}_{2(s)} \rightarrow \text{Ag}_{(s)} + \text{Cl}_{2(g)}$
 - 3) $\text{AgCl}_{2(s)} \rightarrow \text{Ag}_{(s)} + \text{Cl}_{(g)}$
 - 4) $\text{Ag}_2\text{Cl}_{(s)} \rightarrow \text{Ag}_{2(s)} + \text{Cl}_{(g)}$
36. During roasting of copper pyrite the gas removed is?
- 1) Sulphur trioxide
 - 2) Sulphur dioxide
 - 3) Oxygen
 - 4) Nitrogen
37. If an ore contains impurity of SiO_2 , identify the appropriate flux for the removal of it
- 1) MnO
 - 2) P_4O_{10}
 - 3) O_2
 - 4) SO_2
38. The first ionisation energies of Li, Be, B and C are in the order
- 1) $\text{Li} > \text{B} < \text{Be} < \text{C}$
 - 2) $\text{Li} < \text{Be} > \text{B} < \text{C}$
 - 3) $\text{Li} > \text{Be} > \text{B} > \text{C}$
 - 4) $\text{Li} < \text{Be} > \text{B} > \text{C}$
39. An element with atomic number '32' belongs to
- 1) 4th period, 16th group
 - 2) 3rd period, 14th group
 - 3) 4th period, 14th group
 - 4) 5th period, 15th group
40. The volume of CO_2 liberated at STP on burning 24g of carbon in excess of oxygen is
- 1) 22.4 litre
 - 2) 44.8 litre
 - 3) 16.8 litre
 - 4) 67.2 litre

Space for rough work

41. If equal volume of two gases, CH_4 and O_2 are allowed to diffuse, then time taken for diffusion of CH_4 is found to be
- 1) $\frac{1}{\sqrt{2}}$ times that of O_2 2) $\frac{1}{2}$ times that of O_2
 3) $\sqrt{2}$ times that of O_2 4) 2 times that of O_2
42. If the formula of metallic nitrate is $\text{M}(\text{NO}_3)_2$, then what will be formula of the nitride of that metal?
- 1) MN_2 2) M_3N_2
 3) M_2N 4) M_2N_3
43. The ratio of phosphorous atoms present in calcium phosphide and magnesium phosphate is
- 1) 1 : 2 2) 2 : 1
 3) 1 : 3 4) 1 : 1
44. Which of the following pairs is homologue?
- 1) $\text{CH}_3\text{OH}, \text{CH}_3\text{OCH}_3$ 2) $\text{CH}_3\text{OH}, \text{CH}_3\text{SH}$
 3) $\text{CH}_3\text{OCH}_3, \text{CH}_3\text{CH}_2\text{OH}$ 4) $\text{CH}_3\text{OH}, \text{CH}_3\text{CH}_2\text{OH}$
45. How many 2° carbon present in the following compound?



- 1) 4 2) 5
 3) 6 4) 7
46. Names of some compounds are given. Which one is not according to IUPAC system?



Space for rough work

47. 2-Methylpropan-1-ol is obtained from
- | | |
|--|---|
| 1) Ethanal + $(\text{CH}_3)_2\text{CHMgX}$ | 2) Methanal + $(\text{CH}_3)_2\text{CHMgX}$ |
| 3) Phenol + Conc. H_2SO_4 | 4) Phenol + Conc. HNO_3 |
48. Which of the following compound has the highest boiling point?
- | | |
|---|---|
| 1) $\text{CH}_3\text{OCH}_2\text{CH}_3$ | 2) CH_3COOH |
| 3) $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$ | 4) $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_3$ |
49. Select the CORRECT statements from the following :
- | | |
|--|--|
| a) Cellulose is made up of a large number of glucose units | |
| b) PET is a very familiar form of polyester | |
| c) Polyvinyl chloride is a thermosetting plastic | |
| d) Metal cans are non-biodegradable | e) Melamine resists fire and tolerate heat |
- | | |
|------------------|--------------------|
| 1) a, b, d and e | 2) a, b, c and e |
| 3) b, c only | 4) c, d and e only |
50. **Assertion** : Petroleum or crude oil pumped out of oil well is not pure
Reason : Petroleum is refined to get various fraction which can be used for specific purposes
- | |
|---|
| 1) Both Assertion & Reason are correct and Reason is correct explanation of Assertion |
| 2) Both Assertion & Reason are correct and Reason is not correct explanation of Assertion |
| 3) Assertion is correct but Reason is incorrect |
| 4) Assertion is incorrect but Reason is correct |

Space for rough work

51. **Assertion** : Non-living objects exhibit metabolism.
Reason : Growth is observed only in living things.
- 1) Both Assertion & Reason are correct and Reason is correct explanation of Assertion
 - 2) Both Assertion & Reason are correct and Reason is not correct explanation of Assertion
 - 3) Assertion is correct but Reason is incorrect
 - 4) Both Assertion and Reason are incorrect
52. What is the criteria used by R. H. Whittaker for classification?
- | | |
|----------------------------|------------------------------|
| A) Physiological character | B) Phylogenetic relationship |
| C) Mode of nutrition | D) Thallus organization |
| E) Reproduction | F) Biochemical difference |
- 1) All except A and B
 - 2) All except C and D
 - 3) All except E and F
 - 4) All except A and F
53. Similarities between monocotyledonous and dicotyledonous plants includes :
- | | |
|-----------------------------------|---|
| P) Both have parallel venation | Q) Both possess vascular tissue system |
| R) Both possess trimerous flowers | S) Both have embryo with two cotyledons |
- 1) P and Q only
 - 2) P, Q and R
 - 3) Q and R only
 - 4) Q only
54. You are given 13 meiotic divisions. From these divisions, how many enclosed seeds you can form and how many pollen grains will be wasted?
- 1) Number of seed-10; number of wasted pollen grain-2
 - 2) Number of seed-13; number of wasted pollen grain-0
 - 3) Number of seed-2; number of wasted pollen grain-10
 - 4) Number of seed-52; number of wasted pollen grain-52
55. Cell elongation in internodal regions of the green plant takes place due to :
- | | |
|-------------|------------------|
| 1) Auxin | 2) Gibberellins |
| 3) Ethylene | 4) Abscisic acid |
56. A farmer notices that his crop yield increases significantly when he introduces beehives near his fields. Which aspects of sexual reproduction in flowering plants is most likely responsible for this increase?
- | | |
|-------------------------|------------------|
| 1) Germination | 2) Fertilization |
| 3) Double fertilization | 4) Pollination |
57. Match the following Column-I with Column-II and select the most appropriate option given below:

Column-I (Genetic cross)	Column-II (Genotypic ratio)
A) $Rr \times Rr$	i) 1 : 1 : 1 : 1
B) $Rr \times rr$	ii) 1 : 2 : 1 : 2 : 4 : 2 : 1 : 2 : 1
C) $RrYy \times rryy$	iii) 1 : 1
D) $RrYy \times RrYy$	iv) 1 : 2 : 1

- | | |
|---------------------------|---------------------------|
| 1) A-iv; B-iii; C-i; D-ii | 2) A-iv; B-iii; C-ii; D-i |
| 3) A-iii; B-iv; C-ii; D-i | 4) A-iii; B-iv; C-i; D-ii |

63. Match the following Column-I with Column-II and select the most appropriate option given below:

Column-I	Column-II
A) First tropic level (T_1)	i) Grass
B) Second tropic level (T_2)	ii) Grasshopper
C) Third tropic level (T_3)	iii) Frog
D) Fourth tropic level (T_4)	iv) Snake
	v) Hawk

- 1) A-i; B-iii; C-iv; D-v 2) A-i; B-ii; C-iii; D-iv
 3) A-v; B-iv; C-iii; D-ii 4) A-iv; B-iii; C-ii; D-v

64. Select the option that correctly matches characteristic features with the group of three animals

- 1) Skeleton of spicules – *Sycon*, *Adamsia*, *Spongilla*
 2) Excretion by flame cells – *Taenia*, *Fasciola*, Silver fish
 3) Mouth contains Radula – *Dentalium*, *Octopus*, Star fish
 4) Jointed appendages – Cockroach, *Apis*, *Laccifer*

65. Some proteins and lipids manufactured by RER and SER help in building the cell membrane. The process is known as

- 1) Membrane biogenesis 2) Endocytosis
 3) Exocytosis 4) Both 2 and 3

66. Match the following Column-I with Column-II and select the most appropriate option given below:

Column-I	Column-II
A) Fore brain	i) Posture and balance
B) Association area	ii) B.P., Salivation, Vomiting
C) Medulla	iii) Sensation & thinking
D) Cerebellum	iv) Interpretation & respond to information

- 1) A-iv; B-iii; C-i; D-ii 2) A-iii; B-iv; C-i; D-ii
 3) A-iii; B-iv; C-ii; D-i 4) A-ii; B-iii; C-ii; D-i

67. Which of the following statements are INCORRECT?

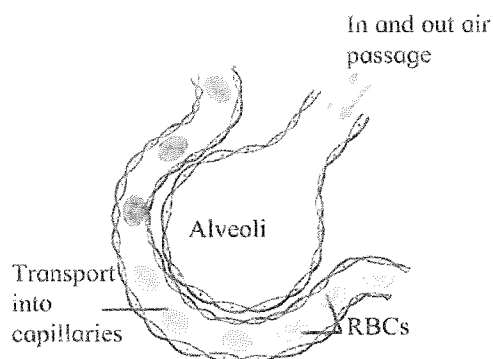
- A) Chemical coordination is seen in both plants and animals
 B) Nervous coordination is seen in both plants and animals
 C) Hormones produced in endocrine gland move to body parts through nerve fibres
 D) A feedback mechanism regulates the action of the hormones

- 1) A and B 2) B and D
 3) B and C 4) A and D

68. Which of the following events in the mouth cavity will be affected if salivary amylase is lacking in the saliva?

- 1) Starch breaking down into sugars
 2) Proteins breaking down into amino acids
 3) Absorption of vitamins
 4) Fats breaking down into fatty acids and glycerol

69. Due to which part shown in diagram, the larger surface is available for gaseous exchange?



- | | |
|---------------------------|------------|
| 1) In and out air passage | 2) Alveoli |
| 3) Capillaries | 4) RBCs |

70. Select the INCORRECT statement

- 1) LH and FSH triggers ovulation in ovary
- 2) Endometrium starts to regenerate under the effect of progesterone
- 3) Developed follicles bursts under the effect of LH
- 4) Estrogen is secreted by developing follicles

71. **Assertion** : Vagina acts as copulation canal and fertilization canal.

Reason : Both insemination and fusion of gametes occur in vagina of female.

- 1) Both Assertion & Reason are correct and Reason is correct explanation of Assertion
- 2) Both Assertion & Reason are correct and Reason is not correct explanation of Assertion
- 3) Assertion is correct but Reason is incorrect
- 4) Both Assertion and Reason are incorrect

72. Match the following disease given under Column-I with its group of causative agent given under Column-II and select correct option given below :

Column-I	Column-II
A) Ringworm	i) Protozoan
B) Malaria	ii) Virus
C) Leprosy	iii) Fungi
D) Influenza	iv) Bacteria

- | | |
|---------------------------|---------------------------|
| 1) A-iv; B-iii; C-i; D-ii | 2) A-i; B-iii; C-iv; D-i |
| 3) A-iii; B-i; C-iv; D-ii | 4) A-iii; B-i; C-ii; D-iv |

73. Which act has been enacted since 17th October 2000 and been amended in 2008 for person committing the cyber crime?

- | | |
|------------------|------------------|
| 1) IT Act - 2000 | 2) IT Act - 2008 |
| 3) IT Act - 1999 | 4) IT Act - 2014 |

74. Statements :

- A) Evolution is the gradual change occurring in living organisms over a long duration.
- B) 5.5 billion years ago, life had been non-existent on the Earth.
- C) First primitive type of cells may have been formed from the mixture of different types of organic and inorganic compounds.
- D) According to theory of evolution, first living material (protoplasm) has been formed in fresh water bodies.

Which of the above statements are INCORRECT?

- 1) B and D
- 2) B, C and D
- 3) A, B and C
- 4) Only D

75. The name of some common diseases are given below :

Cold, Flu, AIDS, Pneumonia, Cholera, Typhoid, Tuberculosis, Polio

How many of the above diseases are caused by viruses?

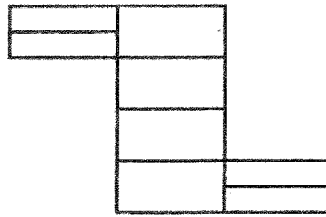
- 1) 4
- 2) 5
- 3) 3
- 4) 6

Section-D : Basic Mathematics & Mental Ability

76. 5 kg of metal A and 20 kg of metal B are mixed to form an alloy. The percentage of metal A in the alloy is
- 1) 20 %
 - 2) 25 %
 - 3) 40 %
 - 4) None of these
77. Be selling an article at some price, a man gains 10%. If the article is sold at twice of the price, the gain percent will be
- 1) 20 %
 - 2) 60 %
 - 3) 100 %
 - 4) 120 %
78. A takes 2 hours more than B to walk d km, but if A doubles his speed, then he can make it in 1 hour less than B. How much time does B require for walking d km?
- 1) $\frac{d}{2}$ hours
 - 2) 3 hours
 - 3) 4 hours
 - 4) $\frac{2d}{3}$ hours
79. A boat covers 64 km upstream in 8 hours and 120 km downstream in 12 hours. What is the speed (in m/s) of the boat in still water?
- 1) 2.5
 - 2) 2
 - 3) 3.5
 - 4) 3
80. If a square and a rhombus stand on the same base, then the ratio of the areas of the square and the rhombus is
- 1) greater than 1
 - 2) equal to 1
 - 3) equal to $\frac{1}{2}$
 - 4) equal to $\frac{1}{4}$
81. If p, q, r are all real number then $(p - q)^3 + (q - r)^3 + (r - p)^3$ is equal to
- 1) $(p - q)(q - r)(r - p)$
 - 2) $3(p - q)(q - r)(r - p)$
 - 3) 1
 - 4) 0
82. What least value which should be added to 1812 to make it divisible by 7, 11 and 14?
- 1) 12
 - 2) 36
 - 3) 72
 - 4) 154

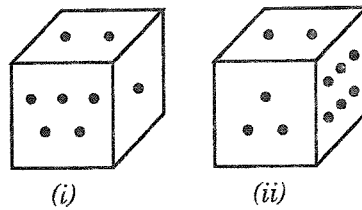
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89. Count the number of rectangles in the given figure.



- | | |
|-------|-------|
| 1) 8 | 2) 17 |
| 3) 18 | 4) 20 |

90. Two positions of a dice are given below. When 1 is at the top, which number will be at the bottom?



- | | |
|------|------|
| 1) 2 | 2) 3 |
| 3) 4 | 4) 6 |
91. If animals which can walk are called 'swimmers' animals who crawl are called 'flying', those living in water are called 'snakes' and those which fly in the sky are called 'hunters', then what will a lizard be called?
- | | |
|-------------|------------|
| 1) Swimmers | 2) Snakes |
| 3) Flying | 4) Hunters |
92. Pointing to the woman in the picture, Rajiv said, "Her mother has only one grandchild whose mother is my wife." How is the woman in the picture related to Rajiv?
- | | |
|-----------|--------------------|
| 1) Cousin | 2) Wife |
| 3) Sister | 4) Data inadequate |

Space for rough work

Directions (Q. No. 93 & 94): Read the following information to answer the given questions :

P, Q, R, S, T, U, V and W are eight friends sitting around a circle facing towards the centre.

- i) W is on the immediate left of P but is not the neighbour of T or S
- ii) U is on the immediate right of Q and V is the neighbour of T
- iii) R is between T and U

93. Which of the following statements is true?

- 1) T is between U and Q
- 2) U is the neighbour of V
- 3) V is between W and T
- 4) W is between P and S

94. What is the position of S?

- 1) On the immediate left of Q
- 2) Second to the right of U
- 3) Between Q and U
- 4) On the immediate left of P

Directions (Q. No. 95 & 96): Read the following information carefully to answer the given questions:

Five plays A, B, C, D and E are to be staged from Monday to Friday of a week. On each day, only one play will be staged. D or E should not be either the first or last to be staged. E should be immediately followed by C. B to be staged immediately after D. One play is staged between A and B

95. Which is the first play to be staged?

- 1) A
- 2) B
- 3) C
- 4) Cannot be determined

96. Which of the following is the correct sequence of staging all the plays?

- 1) A D B C E
- 2) A E C D B
- 3) B D A E C
- 4) None

97. The following question contains three elements. These elements may or may not have some inter-linkage. Each group of elements may fit into one of these diagrams at (1), (2), (3) and (4). You have to indicate the group of elements which correctly fits the diagrams.

Which of the following diagram indicates the best relation between **Children**, **Naughty** and **Studios**?



Space for rough work

98. If 30th January, 2003 was Thursday, what was the day on 2nd March, 2003?
- | | |
|-------------|-------------|
| 1) Tuesday | 2) Thursday |
| 3) Saturday | 4) Sunday |
99. If ' $P \times Q$ ' means 'P is the daughter of Q'; ' $P + Q$ ' means 'P is the father of Q'; ' $P \div Q$ ' means 'P is the mother of Q' and ' $P - Q$ ' means 'P is the brother of Q', then in the expression $A \div B + C - E \times F$, how is A related to F?
- | | |
|--------------------|------------------|
| 1) Mother | 2) Aunt |
| 3) Daughter-in-law | 4) None of these |
100. Rasik walks 20 m North. Then he turns right and walks 30 m. Then he turns right and walks 35 m. Then he turns right and walks 35 m. Then he turns left and walks 15 m. Then he again turns left and walks 15 m. In which direction and how many metres away is he from his original position?
- | | |
|-------------------|-------------------|
| 1) 15 metres West | 2) 30 metres East |
| 3) 30 metres West | 4) 45 metres East |

Space for rough work

 <p style="text-align: center;">SHIV CHHATRAPATI SHIKSHAN SANSTHA, LATUR RAJARSHI SHAHU MAHAVIDYALAYA, LATUR SHAHU SCREENING TEST - 2024 IMPORTANT DATES</p>	
SCREENING TEST - 2024 (OFFLINE MODE ONLY) DATE : 07 April 2024	PCB GROUP - 10-00 AM TO 12-00 PM
	PCM GROUP - 02-30 PM TO 05-00 PM
Online Display of Provisional Answer Key	07-Apr-2024 : After 07-00 PM
Objections on Provisional Answer Key	08-Apr-2024 : UPTO 05-00 PM
Online Declaration - 1. Final Answer Key, 2. Copy of Candidate OMR Sheet, 3. Result of SCREENING TEST -2024 (Individual Login)	12-Apr-2024 . After 02-00 PM
Parent Meeting of Selected Candidate (PCB GROUP)	13-Apr-2024 : 11-00 AM
Parent Meeting of Selected Candidate (PCM GROUP)	14-Apr-2024 : 11-00 AM
Admissions :- First Selected List	13 to 16 April 2024
Admissions : Second Selected List (In case of vacancy only)	18 to 20 April 2024
Date of Commencement of Classes will be declared in parent meeting	

वरील तारखांमध्ये काही बदल झाल्यास वेबसाईट वर सूचना दिली जाईल.