



BLESSING PATHWAY EDUCATION (OPC) PRIVATE LIMITED.



BLESSING POWER GUIDE

BLESSING TUITION & TUTORIAL CENTRE

No.12, Ganesh Apartment, Trust Square Street,
Medavakkam, Ayanavaram, Chennai – 600023.

ISO 9001:2015 Certified Institution

9TH STD SCIENCE

QUARTERLY EXAM MODEL QUESTION PAPER (1) – 2026 & 27

Part - I

Choose the correct answer:

12 x 1 = 12

- Which among the following is not a device to measure mass?
a) Spring balance b) Beam balance c) Physical balance d) Digital balance
- The centrifugal force is
a) A real force b) The force of reaction of centripetal force
c) A vital force d) Directed towards the centre of the circular path
- The size of an air bubble rising up in water.
a) decreases b) increasing c) remains same d) may increase or decrease
- has the same properties throughout the sample.
a) pure substance b) mixture c) colloid d) suspension
- Change in the number of neutrons in an atom changes it to
a) an ion b) an isotope c) an isobar d) another element
- The correct electronic configuration of potassium is
a) 2, 8, 9 b) 2, 8, 1 c) 2, 8, 8, 1 d) 2, 8, 8, 3
- Elements in the modern periodic table are arranged in periods and groups
a) 7, 18 b) 18, 7 c) 17, 8 d) 8, 17
- Mesoglea is present in
a) Porifera b) Coelenterata c) Annelida d) Arthropoda
- Air sacs and pneumatic bones are seen in
a) fish b) frog c) bird d) bat
- Which of the following is a complex tissue?
a) Parenchyma b) collenchyma c) xylem d) sclerenchyma
- The bending of root of a plant in response to water is called
a) Thigmonasty b) phototropism c) hydrotropism d) photonast
- is a structured delivery of information.
a) slide show b) page c) WordArt d) presentation

Part - II**Answer any 7 questions. (Question No. 22 is compulsory)****7 x 2 = 14**

1. Match the following:

- a) Length – Kelvin
- b) Mass – Meter
- c) Time – Kilogram
- d) Temperature - Second

2. What is meant by uniform circular motion? Give two examples of uniform circular motion.

3. On what factors the pressure exerted by the liquid depends on?

4. Define sublimation?

5. Draw the structure of oxygen and sulphur atom.

6. State modern periodic law.

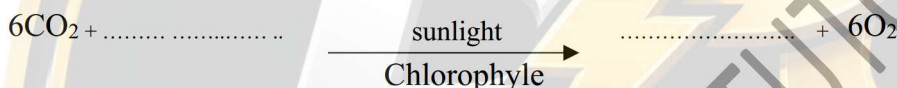
7. Define taxonomy.

8. State whether True or False. If false, correct the statement.

i) Parenchyma is a simple tissue.

ii) Phloem is made up of tracheids.

21. Fill in the blanks.

22. A racing car has a uniform acceleration of 4ms^{-2} . What distance it covers in 10s after the start.**Part - III****Answer any 7 questions (Q. No. 32 compulsory):****7 x 4 = 28**

23. Write the rules that are followed in writing the symbols of units in SI system. (any 4 points)

24. i) Distinguish distance and displacement.

ii) Compare speed and velocity.

25. i) State the laws of flotation.

ii) State Pascal's law.

26. How are Homogenous solutions different from heterogeneous solution? Explain with examples.

27. State any five features of modern periodic table.

28. i) What is nematocyst?

ii) Why are frogs said to be amphibious?

29. a) Fill in the blanks:

i) Calcium and Argon are examples of a pair of

ii) The valency of Argon is

b) What is the same about the electron structure of

i) Lithium, Sodium and Potassium

ii) Beryllium, Magnesium and calcium

30. Write about the elements of xylem.

31. There are 3 plants A, B and C. The flowers of A open their petals in bright light during the day but closes when it gets dark at night. On the other hand, the flowers of plant B open their petals at night but closes during the day when there is bright light. The leaves of plant C fold up and droop when touched with fingers or any other solid object.

a) Name the phenomenon shown by the flowers of plant A and B.

- b) Name one plant each which behaves like the flowers of plant A and B.
 c) Name the phenomenon exhibited by the leaves of plant C.
 d) Name the plant which behaves like the leaves of plant C?
32. a) Find the mass of an object weighing 98N.
 b) Calculate the number of neutrons protons and
 i) atomic number 92 and mass number 238 ii) atomic number 3 and mass number 7.

Part - IV

Answer all the questions.

3 x 7 = 21

33. a) i) Differentiate mass and weight.
 ii) Define velocity.
 iii) Metre is the unit of

(OR)

- b) i) Explain different types of motion.
 ii) Why is it easy to swim in sea water than in river water.
 iii) The instrument used to measure atmospheric pressure is

34. a) i) Write the differences between elements and compounds and given an example for each. (5)

ii) Match the following

- | | | |
|---------------|---|--|
| 1. Dalton | — | Hydrogen atom model |
| 2. Chadwick | — | Discovery of nucleus |
| 3. Rutherford | — | First atomic theory |
| 4. Neils Bohr | — | Plum pudding model discovers of neutrons |

(OR)

- b) i) Explain the postulates of Bohr's atomic model. (5)
 ii) What are nucleons? How many nucleons are present in phosphorous?

35. a) i) List five characteristic features of fishes. ‘

ii) Define transpiration.

(OR)

- b) i) List the differences between mitosis and meiosis.
 ii) Draw the structure of stomata.



BLESSING PATHWAY EDUCATION (OPC) PRIVATE LIMITED.



BLESSING POWER GUIDE

+ BLESSING TUITION & TUTORIAL CENTRE +

No.12, Ganesh Apartment, Trust Square Street,
Medavakkam, Ayanavaram, Chennai – 600023.

ISO 9001:2015 Certified Institution

9TH STD SCIENCE

QUARTERLY EXAM MODEL QUESTION PAPER (2) – 2026 & 27

Part - I

I. Choose the correct answer 12x1=12

- The correct electronic configuration of potassium is
a) 2, 8, 9 b) 2, 8, 1 c) 2, 8, 8, 1 d) 2, 8, 8, 3
- Which one of the following is most likely not a case of uniform circular motion?
a) Motion of the Earth around the Sun. b) Motion of a toy train on a circular track.
c) Motion of a racing car on a circular track. d) Motion of hours' hand on the dial of the clock.
- The size of an air bubble rising up in water
a) decreases b) increases c) remains same d) may increase or decrease
- In a pressure cooker, the food is cooked faster because
a) increased pressure lowers the boiling point. b) increased pressure raises the boiling point.
c) decreased pressure raises the boiling point. d) increased pressure lowers the melting point.
- The number of protons, neutrons and electrons present respectively in $^{80}_{35}\text{Br}$ are
a) 80, 80, 35 b) 35, 55, 80 c) 35, 45, 35 d) 35, 45, 35
- Elements in the modern periodic table are arranged in ----- groups and ----- periods.
a) 7;18 b) 18;7 c) 17;8 d) 8;17
- Poikilothermic organisms are
a) Fish, Frog, Lizard, Man b) Fish, Frog, Lizard, Cow
c) Fish, Frog, Lizard, Snake d) Fish, Frog, Lizard, Crow
- Air sacs and Pneumatic bones are seen in
a) fish b) frog c) bird d) bat
- Which of the following is a complex tissue?
a) Parenchyma b) Collenchyma c) Xylem d) Sclerenchyma
- Smooth muscles occurs in
a) Uterus b) artery c) veins d) all of the above.
- Mesoglea is present in
a) Porifera b) Coelenterata c) Annelida d) Arthropoda
- Which key should be pressed to run a slide show?
a) F1 b) Tab c) F5 d) F2

Part - II**Answer any seven questions. Q no 22 is compulsory.****7 x 2=14**

13. Define SI unit.
14. Define Velocity.
15. What is meant by atmospheric pressure?
16. Define Sublimation.
17. Why do $^{35}_{17}\text{Cl}$ and $\text{N}^{35}_{17}\text{Cl}$ have the same chemical properties? In what respects do these atoms differ?
18. Assertion and reason type questions.

Statement: Elements in a group generally possess similar properties but elements along a period have different properties.

Reason: The difference in electronic configuration makes the element differ in their chemical properties along a period

- a) Statement is true and reason explains the statement. b) Statement is false but the reason is correct.
19. Why are frogs said to be amphibians?
 20. Why should gametes be produced by meiosis during sexual reproduction?
 21. What is the difference between movement of flower in sunflower plant and closing of the leaves in the Mimosa pudica?
 22. A racing car travels at a uniform speed of 4 m/s^2 . What is the distance covered in 10 seconds?

Part - III**Answer any seven questions. Q no 32 is compulsory.****7x4=28**

23. a) Differentiate mass and weight. b) compare speed and velocity.
24. State the laws of flotation.
25. Define. a) Tyndall effect. b) Brownian effect.
26. What are nucleons? How many nucleons are present in Phosphorous? Draw its structure.
27. State any four features of modern periodic table.
28. List five characteristic features of fishes.
29. What is complex tissue? Name the various kinds of complex tissues.
30. Define Transpiration.
31. Photosynthesis converts energy X into energy Y.
 - a) What are X and Y?
 - b) Green plants are autotrophic in their mode of nutrition. Why?
32. Calculate the number of neutrons, protons and electrons:
 - (i) atomic number 3 and mass number 7
 - (ii) atomic number 92 and mass number 238

Part - IV**Answer all the questions in detail****3 x 7 = 21**

33. a) Explain the different types of motion.

(Or)

- b) Explain the construction and working of a hydrometer with diagram.

34. a) Write the differences between elements and compounds and give an example for each.

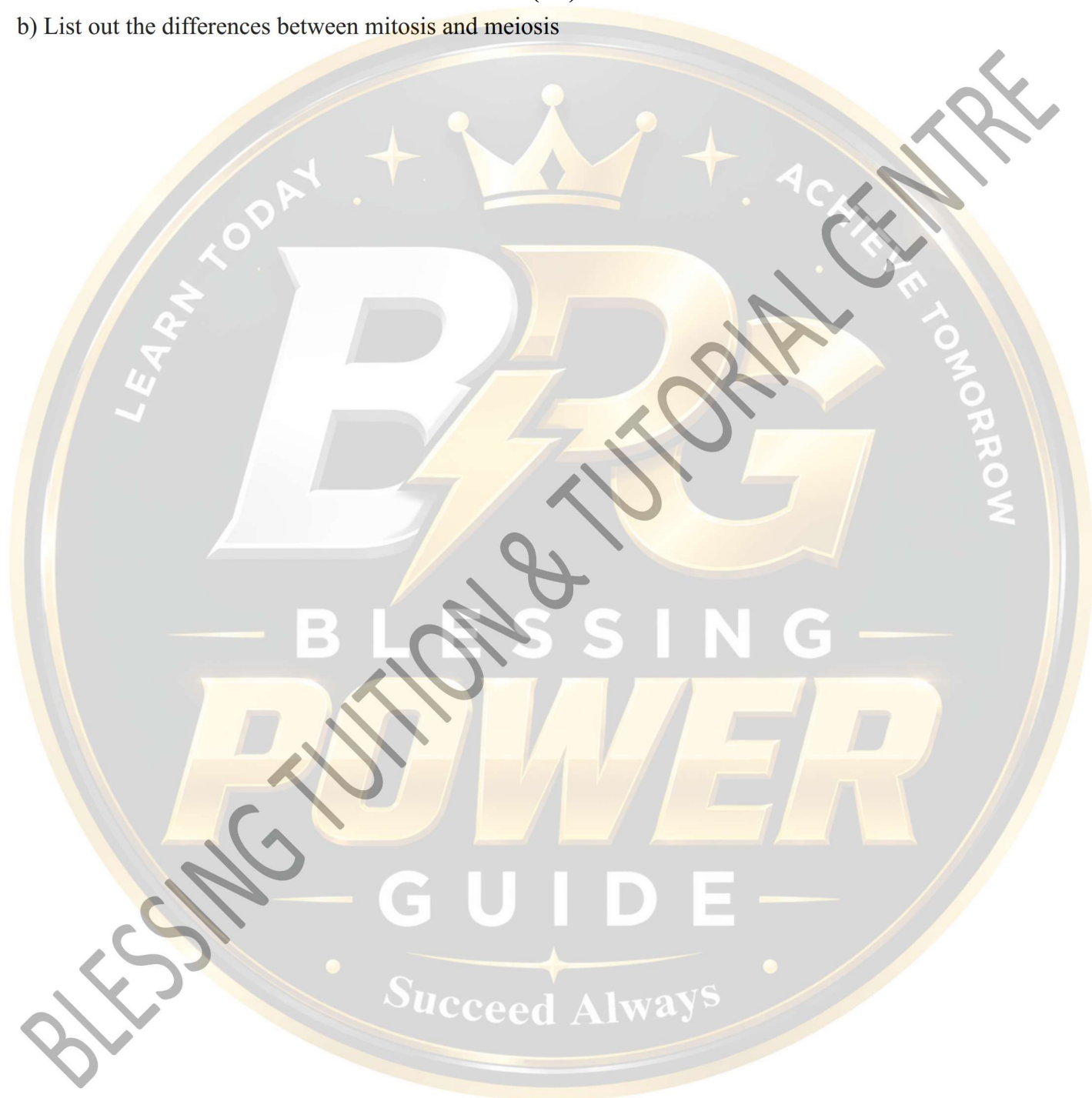
(Or)

b) Explain the postulates of Bohr's atomic model.

35. a) Give an account on phylum Arthropoda

(Or)

b) List out the differences between mitosis and meiosis





BLESSING PATHWAY EDUCATION (OPC) PRIVATE LIMITED.



✚ BLESSING TUITION & TUTORIAL CENTRE ✚

📍 No.12, Ganesh Apartment, Trust Square Street,
Medavakkam, Ayanavaram, Chennai – 600023.

🏆 ISO 9001:2015 Certified Institution 🏆

9TH STD SCIENCE

QUARTERLY EXAM MODEL QUESTION PAPER (3) – 2026 & 27

Part - I

I. Choose the Correct Answer:

12 x 1 = 12

- Rulers, measuring tapes and meter scales are used to measure
a) mass b) weight c) time d) length
- The area under velocity - time graph represents the
a) Velocity of the moving object. b) displacement covered by the moving object.
c) speed of the moving object. d) acceleration of the moving object
- The size of an air bubble rising up in water
a) decreases b) increases c) remains same d) may increase or decrease.
- Among the following _____ is a mixture.
a) Common salt b) Juice c) Carbon di oxide d) Pure Silver.
- The number of protons, neutrons, and electrons present respectively in $^{80}_{35}\text{Br}$ are
a) 80, 80, 35 b) 35, 55, 80 c) 35, 35, 80 d) 35, 45, 35.
- Modern periodic law states that the physical and chemical properties are the periodic function of their
a) atomic numbers b) atomic masses c) Similarities d) anomalies.
- Identify the animal having four Chambered heart
a) Lizard b) Snake c) crocodile d) calotes.
- Companion cells are closely associated with
a) Sieve elements b) Vessel elements c) trichomes d) guard cells
- Transpiration takes place through
a) Fruit b) Seed c) Flower d) stomata.
- Noble gases belong to _____ group of the periodic table
a) 15 b) 16 c) 17 d) 18.
- Density of mercury is
a) 1000kgm^{-3} b) 13600kgm^{-3} c) 984 hpa d) 13.6
- Red blood corpuscles contain a respiratory pigment called
a) haemoglobin b) Granulocytes c) lymphocytes d) monocytes.

PART -II**II. Answer any 7 of the following (Q.No: 22 is Compulsory).****7 x 2 = 14**

13. Define measurement.

14. Fill in the blanks:

a) Negative acceleration is called _____

b) Area under Velocity - time graph shows _____

15. State Pascal's Law.

16. State whether true or false. If false Correct the statement

a) Liquid - Liquid Colloids are called gel.

b) Buttermilk is an example of heterogeneous mixture.

17. How was it shown that atom has empty space?

18. State modern periodic law.

19. List the respiratory organs of amphibians.

20. What is the Complex tissue? Name the various kinds of Complex tissues.

21. Match the following:

i) Root growing downwards in to soil - Positive phototropism

ii) Shoots growing towards the light - Negative Geotropism

iii) Shoots growing upwards - Negative phototropism

iv) Roots growing downwards away from light - Positive geotropism.

22. You have a block of mystery material, 12 cm long, 11 cm wide, and 3.5 cm thick. Its mass is 1155 grams. What is its density? Will it float in a tank of water or sink?

PART - III**III. Answer any 7 of the following (Q. No: 32 is Compulsory)****7 x 4 = 28**

23. Write the rules that are followed in writing the symbols of units in SI System.

24. a) distinguish distance and displacement.

b) What is meant by uniform circular motion?

25. a) On what factors does the pressure exerted by the liquid depends on?

b) Why does a helium balloon float in air?

26. Name the components in each of the following mixtures.

i) ice-cream

ii) Lemonade

iii) Air

iv) soil.

27. State any Five features of modern periodic table.

28. a) How does locomotion take place in Starfish?

b) Match the following:

i) Coelenterata - snail

ii) platyhelminthes - star fish

iii) Echinodermata - Tape worm

iv) mollusca - Hydra.

29. Differentiate between tropic and nastic movements.

30. a) Why should gametes be produced by meiosis during Sexual reproduction?

b) In which stage of mitosis the chromosomes align in an equatorial plate? How?

31. a) $6\text{CO}_2 + \xrightarrow[\text{Chlorophyll}]{\text{Sunlight}} \text{_____} + 6\text{O}_2 \uparrow$

b) Define transpiration.

32. Calculate the atomic number of an element whose mass number is 39 and number of neutrons is 20.
Also find the name of the element.

PART - IV

IV. Answer the following questions:

3 x 7 = 21

33. a) i) Explain the construction and working of a hydrometer with diagram.

(OR)

- b) i) Explain different types of motion.

- ii) The instrument used to measure atmospheric pressure is _____.

34. a) i) Write the differences between elements and compounds and give an example for each.

- ii) Define - Tyndall effect.

(OR)

- b) i) State the Gay Lussac's Law of combining volumes. Explain with an illustration.

35. a) i) List out the differences between mitosis and meiosis.

(OR)

- b) i) How will you differentiate the different types of transpiration?

- ii) Are jellyfish and starfish similar to fishes? If no, justify the answer.



BLESSING PATHWAY EDUCATION (OPC) PRIVATE LIMITED.



+ **BLESSING TUITION & TUTORIAL CENTRE** +

📍 No.12, Ganesh Apartment, Trust Square Street,
 Medavakkam, Ayanavaram, Chennai – 600023.

🏆 **ISO 9001:2015 Certified Institution** 🏆
9TH STD SOCIAL SCIENCE

QUARTERLY EXAM MODEL QUESTION PAPER (4) – 2026 & 27

PART-I

I. Choose the Correct Answer:

12 x 1 = 12

1. Astronomical unit is science.
 a) $1.496 \times 10^{11} \text{m}$ b) $9.46 \times 10^{15} \text{m}$ c) $14.96 \times 10^{-11} \text{m}$ d) 9.8m/s^2
2. The least count of screw gauge is
 a) 0.01m b) 0.01mm c) 0.001mm d) 0.1mm
3. The slope of the displacement time graph at any points gives
 a) distance b) velocity c) acceleration d) force
4. Clouds float in atmosphere because of their law
 a) density b) pressure c) velocity d) mass
5. is essential to perform separation by solvent extraction method.
 a) separating funnel b) filter paper c) centrifuge d) sieve
6. The correct electronic configuration of potassium is
 a) 2,8,8,1 b) 2,8,9 c) 2,8,1 d) 2,8,8,3
7. Example for liquid metal is
 a) calcium b) mercury c) lead d) galium
8. Mesoglea is present in
 a) porifera b) coelenterate c) annelica d) arthropoda
9. Which of the following is a complex tissue
 a) Parenchyma b) Collenchyma c) Xylem d) Sclerenchyma
10. Transpiration takes place through
 a) fruit b) seed c) flower d) stomata
11. The bending of root of a plant in response to water's called
 a) Thigmonasty b) Phototropism c) Hydrotropism d) Photonasty
12. A presentation consists of many
 a) pages b) slides c) placeholders d) message

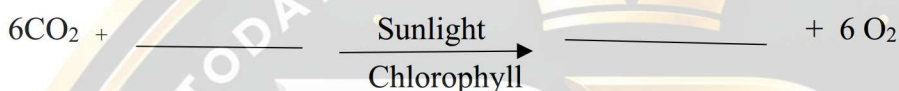
Part - II

II. Answer the following any 7 questions. (Q.No.22 is compulsory)

7 x 2 = 14

13. Define least count of any device.
14. Compare speed and velocity.

15. State pascal's law.
16. A few drops of dettol when added to water the mixture turns turbied. why?
17. Match the following:
- Dalton — Discovery of nucleus
 - Chadwick — First atomic theory
 - Rutherford — Hydrogen atom model
 - Neils Bohr — Discovery of neutrons
18. What are the limitations of mendeleev' s periodic table?
19. What is nematocyst?
20. What is complex tissue? Name the various kinds of complex tissues.
21. Fill in the blanks:



22. A racing car has a uniform acceleration of 4ms^{-2} , what distance it covers in 10s after the start?

Part - III

Answer the following any 7 questions (Q. No. 32 compulsory):

7 x 4 = 28

23. Differentiate mass and weight. 24. Explain different types of motion.
25. i) State the laws of flotation. ii) Why does helium baloon float in air?
26. Write the difference between elements and compounds and give an example for each.
27. State any four features of modern periodic table.
28. Out line the flow charts of phylum chordata?
29. State whether true or false, if false correct the statement.
- i) Phloem is made up of tracheids ii) Parenchyma is a simple tissue.
- Draw the picture pick out parts A, B, C & D. (stomatal diagram)
30. Give an account on phylum annelida?
31. What is presentation and slide?
32. Calculate the number of protons, electrons, neutrons
- i) ${}_3\text{X}^7$ ii) ${}_{92}\text{Y}^{238}$
- iii) Calculate the number of nucleons ${}_{15}\text{P}^{31}$

Part - IV

Answer the following all questions.

3 x 7 = 21

33. A) i) Define SI
- ii) What is the full for SI
- iii) Write the rules that are followed in writing the symbols of units in SI system.

(OR)

- B) i) What is meant by atmospheric pressure.
- ii) Describe the construction and working of mercury barometer.

34. A) i) Explain the postulates of Bohr's atomic model.
- ii) Explain Tyndall effect and Brownian movement.

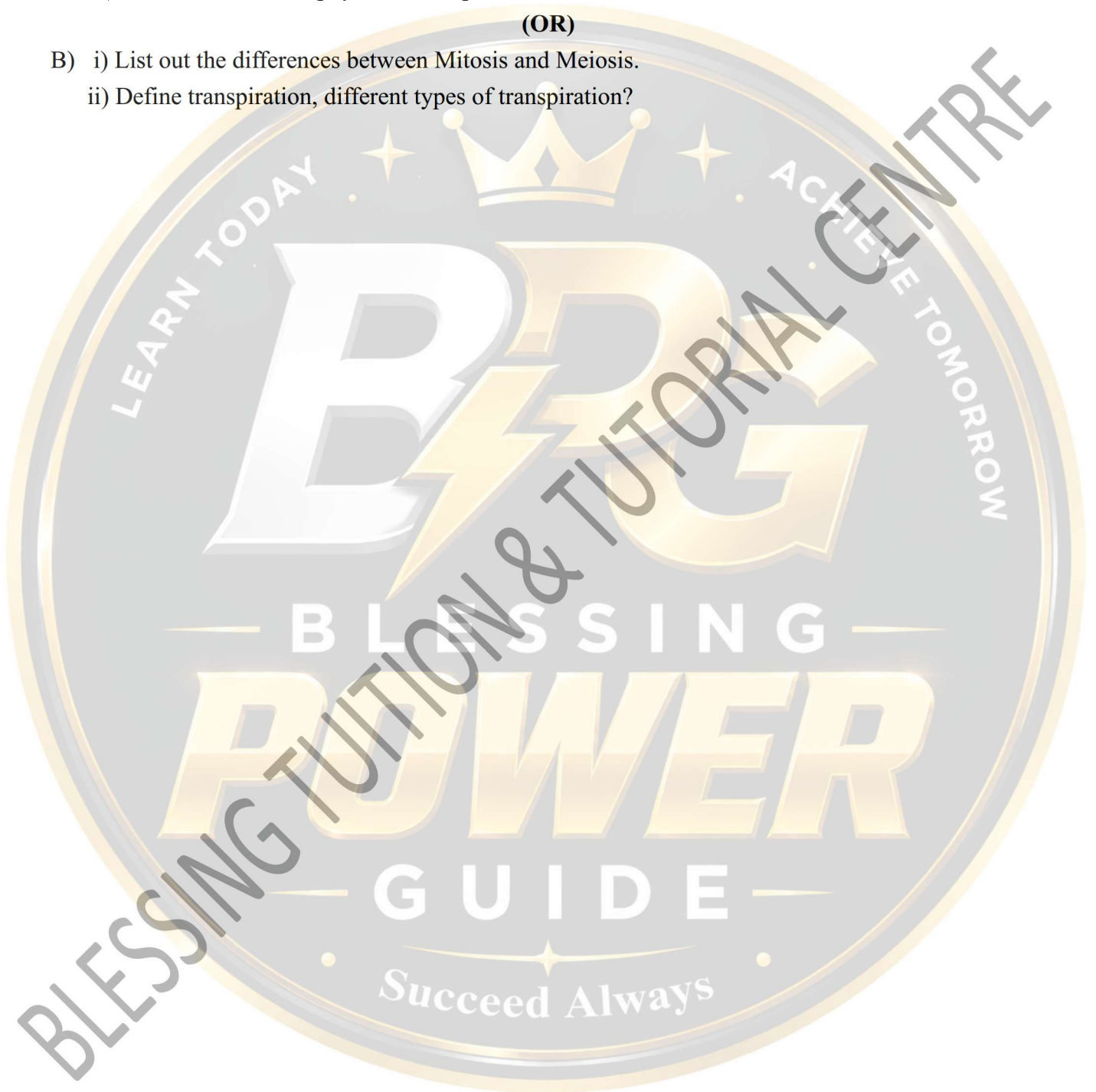
(OR)

- B) i) State modern periodic law.
ii) State the Guy Lussac's law of combining volume explain with an illustration?

35. A) i) Define taxonomy.
ii) Give an account on phylum Arthropoda?

(OR)

- B) i) List out the differences between Mitosis and Meiosis.
ii) Define transpiration, different types of transpiration?





BLESSING PATHWAY EDUCATION (OPC) PRIVATE LIMITED.



✚ BLESSING TUITION & TUTORIAL CENTRE ✚

📍 No.12, Ganesh Apartment, Trust Square Street,
Medavakkam, Ayanavaram, Chennai – 600023.

🏆 ISO 9001:2015 Certified Institution 🏆

9TH STD SCIENCE

QUARTERLY EXAM MODEL QUESTION PAPER (5) – 2026 & 27

PART-I

I. Choose the Correct Answer:

12 x 1 = 12

1. Astronomical unit is science.

- a) $1.496 \times 10^{11} \text{m}$ b) $9.46 \times 10^{15} \text{m}$ c) $14.96 \times 10^{-11} \text{m}$ d) 9.8m/s^2

2. The least count of screw gauge is

- a) 0.01m b) 0.01mm c) 0.001mm d) 0.1mm

3. The slope of the displacement time graph at any points gives

- a) distance b) velocity c) acceleration d) force

4. In a pressure cooker, the food is cooked faster because

- a) increased pressure lowers the boiling point. b) increased pressure raises the boiling point.
c) decreased pressure raises the boiling point. d) increased pressure lowers the melting point.

5. The number of protons, neutrons and electrons present respectively in $^{80}_{35}\text{Br}$ are

- a) 80, 80, 35 b) 35, 55, 80 c) 35, 45, 35 d) 35, 45, 35

6. The correct electronic configuration of potassium is

- a) 2,8,8,1 b) 2,8,9 c) 2,8,1 d) 2,8,8,3

7. Example for liquid metal is

- a) calcium b) mercury c) lead d) galium

8. Air sacs and Pneumatic bones are seen in

- a) fish b) frog c) bird d) bat

9. Which of the following is a complex tissue?

- a) Parenchyma b) Collenchyma c) Xylem d) Sclerenchyma

10. Smooth muscles occurs in

- a) Uterus b) artery c) veins d) all of the above.

11. Mesoglea is present in

- a) Porifera b) Coelenterata c) Annelida d) Arthropoda

12. Which key should be pressed to run a slide show?

- a) F1 b) Tab c) F5 d) F2

Part - II**Answer any seven questions. Q no 22 is compulsory.****7 x 2=14**

13. Define SI unit.
14. Define Velocity.
15. What is meant by atmospheric pressure?
16. Define Sublimation.
17. Why do $^{35}_{17}\text{Cl}$ and $^{35}_{17}\text{Cl}$ have the same chemical properties? In what respects do these atoms differ?
18. Assertion and reason type questions.

Statement: Elements in a group generally possess similar properties but elements along a period have different properties.

Reason: The difference in electronic configuration makes the element differ in their chemical properties along a period

- a) Statement is true and reason explains the statement. b) Statement is false but the reason is correct.
19. Match the following:
 - a) Dalton — Discovery of nucleus
 - b) Chadwick — First atomic theory
 - c) Rutherford — Hydrogen atom model
 - d) Neils Bohr — Discovery of neutrons
 20. What are the limitations of mendeleev's periodic table?
 21. What is the difference between movement of flower in sunflower plant and closing of the leaves in the Mimosa pudica?
 22. A racing car travels at a uniform speed of 4 m/s². What is the distance covered in 10 seconds?

Answer any seven questions. Q no 32 is compulsory.**7x4=28**

23. a) Differentiate mass and weight. b) compare speed and velocity.
24. State the laws of flotation.
25. Define. a) Tyndall effect. b) Brownian effect.
26. What are nucleons? How many nucleons are present in Phosphorous? Draw its structure.
27. State any four features of modern periodic table.
28. List five characteristic features of fishes.
29. Give an account on phylum annelida?
31. Calculate the number of protons, electrons, neutrons
 - i) ${}^7_3\text{X}$ ii) ${}^{238}_{92}\text{Y}$ iii) Calculate the number of nucleons ${}^{31}_{15}\text{P}$
32. Calculate the number of neutrons, protons and electrons:
 - (i) atomic number 3 and mass number 7
 - (ii) atomic number 92 and mass number 238

PART - IV**IV. Answer the following questions:****3 x 7 = 21**

33. a) i) Explain the construction and working of a hydrometer with diagram.

(OR)

- b) i) Explain different types of motion.

- ii) The instrument used to measure atmospheric pressure is _____.
34. a) i) Write the differences between elements and compounds and give an example for each.
ii) Define - Tyndall effect.

(OR)

- b) i) State the Gay Lussac's. Law of combining volumes. Explain with an illustration.

35. a) 35. a) i) List five characteristic features of fishes. ‘
ii) Define transpiration.

(OR)

- b) i) List the differences between mitosis and meiosis.
ii) Draw the structure of stomata.

**Suitable For**

■ Class 10 (State Board) AVAILABLE FOR BOTH TAMIL AND ENGLISH MEDIUM

• TAMIL

• ENGLISH

• MATHEMATICS

• SCIENCE

• SOCIAL SCIENCE

COMING SOON....!!!**BLESSING POWER GUIDE**

Helping Students Learn

- Grow
- Succeed

Give your child the right guidance to build:

★ Strong study habits



Better focus & confidence



Positive thinking



Effective learning skills



Goal-setting and personal growth



For School Students A supportive program designed to encourage students to discover their potential and move forward with confidence.



Learn Today. Grow Tomorrow. Shine Always.

**For Admissions & Enquiries: Contact Us****Contact: 94860 17820 / 81488 14326****Limited seats available..!!!**