

HAMDARD MODEL PAPERS

Model Paper Computer Science




(Paper A: 48 Marks, Paper B: 52 Marks, Total: 100 Marks),

Time = 3 hours

Objective Part (MCQs)

- A set of computing tools that allowed people to interact in the digital world:
(a) ACT (b) ICT (c) BCT (d) SST
- Honeywell-6000 series are computers of which generation?
(a) First (b) Second (c) Third (d) Fourth
- The example of first generation computer is:
(a) CDC 1604 (b) ENIAC
(c) IBM 1620 (d) Honey well- 6000 series
- The brain of computer is known as:
(a) Hard disk (b) Memory
(c) Mother board (d) CPU
- The hardware components is:
(a) Speakers (b) Paint
(c) Media Player (d) Browser
- Marine navigation is the use of ICT in the field of:
(a) Business (b) Measurement
(c) Management (d) Communication
- The types of keys on the keyboard is:
(a) 2 (b) 4 (c) 6 (d) 8
- The Plug and Play secondary storage device is:
(a) HDD (b) USB (c) RAM (d) ROM
- The process that is used to collect data for weather forecasting is:
(a) Digital experiments
(b) Environmental monitoring
(c) Navigation (d) Communication
- Android Operating System is developed by:
(a) Apple Inc (b) Google LLC
(c) Microsoft Corporation (d) Loader
- Non open-source operating system is:
(a) Unix (b) Linux (c) Windows(d) Android
- A computer cannot function if it does not have the:
(a) Compiler (b) Assembler
(c) Operating (d) Loader System
- The link between the hardware and the user program is:
(a) Operating Environment
(b) System Environment
(c) Operating System (d) Device Driver

- The large area of the computer desktop where all programs are opened:
(a) Task bar (b) Menu bar
(c) Background (d) Notification area
- The statement "Problem should be clear and specific", refers to:
(a) Defining the problem
(b) Identification of problem
(c) Analysis of problem
(d) Decomposition of problem
- The problem-solving step in which time required for implementation is:
(a) Problem Identification
(b) Problem Definition
(c) Problem Analysis (d) Solution Selection
- A problem is said to be well-defined if it has:
(a) Clarity (b) Ambiguity
(c) Confusion (d) Doubt
- The statement for given problem is said as:
(a) Fact (b) Output (c) Input (d) Process
- The data required to solve the problem is called:
(a) Input (b) Output
(c) Instruction (d) Fact
- The formula to calculate the average age of all students is:
(a) Total age of all students \times No. of Students
(b) Total No. of students \times 100
(c) Sum of age of all students \times No of Students
(d) Total number of students + 100
- The output of following process is:

INPUT	PROCESS	OUTPUT
		
POURING WATER IN CUP WITH WATER	TEA IS BOILED AND PLACED IN THE TEAPOT	TEA

(a) Pour water into cup (b) Pour milk into cup
(c) Pour tea into cup (d) Pour tea into kettle
- If a user have not clear instructions to solve a problem these are called:
(a) Specific Instructions
(b) Non-specific Instructions
(c) Simple Instruction (d) Complex Instruction
- The process of debugging is:
(a) Selecting (b) Removing
(c) Fixing of bugs (d) Starting

- First digital computer that could run a program was:
(a) First (b) Desktop
(c) Baby (d) First Digital
 - John Von Neumann was a:
(a) Mathematician (b) Physicist
(c) Biologist (d) Chemist
 - The option that use programming to perform different functionalities is:
(a) Iron (b) Website
(c) Ceiling fan (d) Analogue wall clock
 - The person who develops the skills to effectively use the internet and other digital technologies is called:
(a) Digital citizenship (b) Digital citizen
(c) Citizen (d) National
 - The productive way of using smartphones and the internet is:
(a) Facebook scroll (b) Instagram scroll
(c) Educational and cultural activities
(d) Using unethical sites
 - Reusing work that you have already published or submitted is:
(a) Paraphrasing (b) Self
(c) Global (d) Patchwork
 - Use the previous work that already submitted or published is:
(a) Paraphrasing (b) Self plagiarism
(c) Global (d) Patchwork
 - The combination of innovator and hustler is an example of:
(a) Large company (b) Scalable startup
(c) Social (d) Imitator
 - TikTok application is an example of entrepreneurship:
(a) Large company (b) Scalable startup
(c) Social (d) Innovator
- Subjective Part (CRQs)**
- Describe environmental monitoring. (2)
 - Write any five drawbacks of ICT devices. (5)
 - Write any five uses of ICT in the business field. (5)
 - Explain the Windows Operating System. (2)
 - Explain the Android Operating System. (2)
 - Write down the functions of the Operating System. (6)
 - List the steps to solve a problem efficiently. (3)
 - List the factors that are considered while selecting a solution of the problem. (3)
 - Write an algorithm to print table of numbers up to 10. (4)
- Q.36. (a) Define the Debugging. (2)
(b) Write down four steps to create a program in scratch. (4)
(c) Write any four guidelines about proper sitting posture when using a computer (4)
- Q.37. (a) Define the Piracy Act. (2)
(b) Write any four characteristics of a responsible digital citizen. (4)
(c) Write any four essential elements of digital citizenship. (4)

Model Paper English

(Paper A: 48 Marks, Paper B: 52 Marks, Total: 100 Marks),

Time = 3 hours

Objective Part (MCQs)

- 'My father helped ____ in my studies.'
(a) mine (b) me (c) my (d) myself
- 'My friend lives just ____ the street.'
(a) below (b) above (c) under (d) across
- Fill in the blank with a suitable 'Phrasal Verb'.
'You should ____ your bad habit of smoking.'
(a) give way (b) give up
(c) give in (d) give away
- Identify the underlined word. 'Writing stories allows us to express our creativity.'
(a) Noun (b) Gerund (c) Participle(d) Adverb
- Identify the sentence in which 'Have' is used as a 'Helping Verb'.
(a) You have an excellent future ahead.
(b) I have already completed the task.
(c) They have a garden near the city.
(d) We have some fruit for eating.
- Choose the 'Antonym' of underlined word. 'Her heart was full of sincerity.'
(a) Empty (b) Packed (c) Stuffed (d) Mused
- Choose the 'Abstract Noun' in the given sentence. 'Karim needed courage to attend the first day of school in a new town.'
(a) Courage (b) Karim
(c) School (d) Town
- What does the Idiom 'Piece of cake' means?
(a) An easy task (b) Piece of pastry
(c) A tasty dessert (d) A difficult task

9. Form an 'Adjective' from the noun 'Nature.'
 (a) Natures (b) Natural
 (c) Naturally (d) Nature's
10. Choose the sentence with 'SVN (Subject+Verb+Noun)' structure.
 (a) She cooked meat.
 (b) His home is well-decorated.
 (c) I always think of winning.
 (d) They are helpful to me.
11. Read the sentence and identify the category of underlined 'Adjective'. 'The Story of Civilization is by far the most expensive book I have bought.'
 (a) Adjective of Quality (b) Adjective of size
 (c) Adjective of Quantity (d) Adjective of Shape
12. Identify the 'Figure of Speech' used in the given sentence. 'The sparrows chirp outside the window every morning.'
 (a) Metaphor (b) Hyperbole
 (c) Onomatopoeia (d) Personification
13. Which of the following is a 'Main Verb' in the sentence? 'Don't beat around the bush, as it is a waste of time.'
 (a) Beat (b) Around (c) Bush (d) Time
14. Which of the following is an example of a 'Postmodifier after a Noun'?
 (a) The world is divided into seven continents.
 (b) They live in the beautiful house on the corner.
 (c) The girl in the pink shirt is my neighbour.
 (d) The earth always revolves around the sun.
15. Select the 'Connotative Meaning' of the underlined word. 'Naima has a childish behaviour in all matters.'
 (a) Interested (b) Cute
 (c) Non serious (d) Excited
16. Identify the type of underlined 'Pronoun' used in the sentence. 'Who is the current Prime Minister of Pakistan?'
 (a) Interrogative Pronoun
 (b) Demonstrative Pronoun
 (c) Reflexive Pronoun (d) Possessive Pronoun
17. Which of the following is a 'Collective Noun'?
 (a) Grapes (b) Bunch (c) Bench (d) Desk
18. 'Locomotive is an informative book, I really like _____.'
 (a) it (b) its (c) their (d) them
19. Identify the 'Sentence Structure' of the given sentence? 'This watch is expensive.'
 (a) Subject Intransitive Verb
 (b) Subject Transitive Verb
 (c) Subject Verb Adjective
 (d) Subject Verb Adverb

20. The train had _____ before I left the station.'
 (a) leaving (b) leaves (c) left (d) leave
21. Fill in the blank with a 'Modal Verb' to show ability. 'My brother _____ help you in studies.'
 (a) can (b) should (c) must (d) may
22. 'Each day _____ new hope.'
 (a) bring (b) brings
 (c) do not bring (d) do not brings
23. Complete the sentence with a suitable 'Transitional Device.'
 'I will do my best _____ to teach you English vocabulary.'
 (a) so that (b) in order
 (c) in addition (d) as well as
24. What does the abbreviation 'ft' stands for?
 (a) Flat (b) Feet (c) Feature (d) Favorite
25. Identify the sentence of 'Simple Future Tense'.
 (a) I shall join Pak Army to serve my country.
 (b) The Govt. will have banned 'Crop burning.'
 (c) CDA will be renaming a road after Sher Khan.
 (d) Punjab has initiated an anti-hepatitis program.
26. Identify the 'Gender' of the underlined word. 'My neighbours are very nice people.'
 (a) Masculine (b) Feminine
 (c) Common (d) Neuter
27. Choose the sentence with correct use of 'Commas'.
 (a) To tell the truth, we made good decision.
 (b) To, tell the truth, we made good decision.
 (c) To tell the truth we made, good decision.
 (d) To tell, the truth, we made good decision.

Paragraph Instruction

☆ Read the following poem carefully and answer the questions given below.

I love my country a land of the free, A land of opportunity and equality. With pride I look to my country's past. Where we stand today as one united nation. Our history is not without its flaws, We have learned from our mistakes and with each day.	A place where I can be who I want to be. A place where I can live my dreams fully. And all the struggles that brought us to the last With freedom and justice for all our base. But it is through them that we have progressed and grown. We strive to make our country a better place to stay.
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28. In the given poem the phrase 'Land of the Free' means:
 (a) Equality (b) Independent
 (c) Pride (d) Progression

19. What does this phrase mean? 'A place where I can be, who I want to be'.
 (a) Live in an independent country
 (b) Live in a small country
 (c) Live in a developed country
 (d) Live in a restricted country
20. According to the poet, how can a country progress?
 (a) By learning from mistakes
 (b) By wasting time and money
 (c) By efficiency and effectiveness
 (d) By producing more wealth
21. What is the tone of the poem?
 (a) Regretful (b) Pessimistic
 (c) Optimistic (d) Formal
22. What is the theme of the poem?
 (a) Love for country (b) History of country
 (c) Future of country (d) Equality of nation

Subjective Part (CRQs)

- Q33. Write a paragraph of ten sentences on 'A Pilot'. First, write a topic sentence and then use supporting details to make it interesting. Use correct grammar, punctuation and spelling. (10)
- Q34. There is a 'Tree Plantation Campaign' running in your school. Write a dialogue between you and your friend about how trees help us and our environment. Use correct grammar, punctuation and spelling. (10)
- Q35. Fill out a form to take admission to the 7th class in a new school. Use correct punctuation and spelling. (10)

Student's Full Name: _____ Gender: _____
 Date of Birth: _____ Age: _____
 Residential Address: _____
 Email Address: _____
 Previous School: _____ Grade/Class _____
 Seeking Admission to: _____
 Parent/Guardian's Full Name: _____
 Relationship to Student: _____

- Q36. Read the paragraph carefully and answer the questions. Use correct grammar, punctuation and spelling. (10)
- The chunking method is a way that can help students remember things better. It means breaking down big pieces of information into smaller parts. In this way, our brains handle information easily. Let's say we are learning tables: Instead of trying to remember all the numbers at once, we can group them based on patterns. For example, we can group all the numbers that end in 2 together, like 2, 12, 22, and so on. We can do the same for numbers ending in 5, like 5, 15, and 25. It becomes much easier to remember them. We can also use pictures

or fun ways to remember things. Making rhymes can also help. This method is more fun. One can remember things more easily with the help of this method. As a result, one can do better in school.

- (1) What is the chunking method? (2)
 (2) How it can be used in studies? (2)
 (3) Along with tables, what are other things in which this method can be helpful? (2)
 (4) In which subject will you apply this method and how? (2)
 (5) Suggest a suitable title for the paragraph. (2)
- Q.37. Reading Fluency: (04)

Instructions for the Student: Read the paragraph shown by your teacher with correct pronunciation. You will be given one minute to read the paragraph.

- Q.38. Listening and Speaking: (08)
- Instructions for the Student: Look at the pictures carefully and answer the questions asked by the teacher. Answer the questions in complete sentences.



Model Paper
 History & Geography

[Paper A: 48 Marks, Paper B: 52 Marks, Total: 100 Marks],
 Time = 3 hours

Objective Part (MCQs)

1. The depth of mantle layer is about: _____
 (a) 2600 km (b) 2700 km
 (c) 2800 km (d) 2900 km
2. Pakistan is located at such place where two important tectonic plates collided with each other:
 (a) Indian and Australian
 (b) Nazca and South American
 (c) Eurasian and Indo-Australian
 (d) Philippine and Cocos
3. In 1992 Geographical Information System was introduced by:
 (a) US Geological Survey
 (b) USA Department of Defense
 (c) International Research Center
 (d) USA Environment Department

11. In the ancient Indus Valley Civilization, the greatest god considered was:
 (a) Roman (b) Latin (c) Greek (d) Persian
12. The Indus Valley script is a collection of:
 (a) tree (b) sun (c) sky (d) fire
13. The major cause of changes in vegetation distribution is:
 (a) land fertility (b) change in temperature (c) water resources (d) human activities
14. Eruption of magma is known as:
 (a) storm (b) volcanism (c) erosion (d) cyclone
15. Natural disaster that develop cracks in earth crust is termed as:
 (a) earthquake (b) flood (c) drought (d) cyclone
16. Monsoon winds cause heavy rainfall on highlands during:
 (a) summer season (b) winter season (c) autumn season (d) spring season
17. The major types of erosion landforms are:
 (a) four (b) five (c) six (d) seven
18. The deposition of material brought by sea water to the surface of the earth forms:
 (a) sea arch (b) beach (c) tombolo (d) sea cliffs
19. Mesopotamian Civilization was actually established in:
 (a) South Eastern Asia (b) South Western Asia (c) South Western Europe (d) South Eastern Europe
20. The term "Nomads" refers to people who settled down:
 (a) without homes (b) in homes (c) in caves (d) in forests
21. In the ancient Indus Valley Civilization, the first settlers of Rome were known as:
 (a) Roman (b) Latin (c) Greek (d) Persian
22. During the era of the great philosophers, the wars were fought between:
 (a) Athens and Byzantian (b) Sparta and Byzantian (c) Athens and Sparta (d) Sparta and Persia
23. The use of 'Yakchal' was quite helpful to:
 (a) preserve the food (b) produce the food (c) protect from storm (d) save from rain
24. The Aryans spread their culture and civilization through:
 (a) occupying lands (b) making economic reforms (c) sending religious preachers (d) progressing in the scientific field
25. In the Aryan's social structure, the duty of the Valshyas was to:
 (a) religious education (b) serve others (c) protect the society (d) grow grains
26. The first believer of Islam among children was:
 (a) Hazrat Ali (b) Hazrat Umar (c) Hazrat Abu Bakr (d) Hazrat Usman
27. Alexander the Great ruled over a total area of:
 (a) 3 million square miles (b) 4 million square miles (c) 1 million square miles (d) 2 million square miles
28. The signs of human economic activities have been found in Mehrgarh, a settlement of ancient civilization:
 (a) urban sprawl (b) house construction (c) irrigation (d) roads network
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 (a) Hazrat Ali (b) Hazrat Umar (c) Hazrat Abu Bakr (d) Hazrat Usman
33. (a) The movement of glaciers and rivers cause the emergence of valleys. Explain. (5)
 (b) Write note on key features of Pothwar plateau. (5)

Subjective Part (CRGS)

Q.33. (a) The movement of glaciers and rivers cause the emergence of valleys. Explain. (5)
 (b) Write note on key features of Pothwar plateau. (5)

4. Alluvial soil is formed by particular soil particles by the:
 (a) disintegration of rocks (b) integration of rocks (c) melting of rocks (d) friction of rocks
5. The average height of Siwalik mountains is:
 (a) 750 metres (b) 800 metres (c) 850 metres (d) 900 metres
6. Sedimentary rocks formulate the:
 (a) mountain range (b) desert area (c) coastal line (d) plateau area
7. Himalayas and Karakoram mountain ranges are located in the:
 (a) East of Pakistan (b) West of Pakistan (c) North of Pakistan (d) South of Pakistan
8. Mountainous areas are suitable for producing:
 (a) hydro electricity (b) wind electricity (c) thermal electricity (d) solar electricity
9. The Red Indians race people are found in the forests of:
 (a) Amazon (b) Congo (c) Sundarbans (d) Siberian
10. 25% of area the country must be covered with forest according to:
 (a) International standard (b) Country standard (c) World Health Organization (d) Human rights
11. Forests provide to wildlife:
 (a) water and carbon dioxide (b) oxygen and water (c) food and oxygen (d) habitat and carbon dioxide
12. Forests located in equatorial belt are:
 (a) coniferous (b) temperate (c) rainforests (d) deciduous
13. The major cause of changes in vegetation distribution is:
 (a) land fertility (b) change in temperature (c) water resources (d) human activities
14. Eruption of magma is known as:
 (a) storm (b) volcanism (c) erosion (d) cyclone
15. Natural disaster that develop cracks in earth crust is termed as:
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16. Monsoon winds cause heavy rainfall on highlands during:
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17. The major types of erosion landforms are:
 (a) four (b) five (c) six (d) seven
18. The deposition of material brought by sea water to the surface of the earth forms:
 (a) sea arch (b) beach (c) tombolo (d) sea cliffs
19. Mesopotamian Civilization was actually established in:
 (a) South Eastern Asia (b) South Western Asia (c) South Western Europe (d) South Eastern Europe
20. The term "Nomads" refers to people who settled down:
 (a) without homes (b) in homes (c) in caves (d) in forests

- Q.34. (a) Which climate region is densely populated? Describe human activities in this area. (5)
 کن سماں میں کون سا علاقہ گنجان آباد ہے؟ اس علاقے میں انسانی سرگرمیوں کی وضاحت کریں۔
- (b) Name the regions in the climate zones between 60° to 90° north and south on both sides of the equator. (5)
 خط استوا کے دونوں جانب 60° سے 90° شمال اور جنوب کے درمیان آب و ہوا والے علاقوں کے نام بتائیں۔
- Q.35. (a) Explain the side effects of famine and drought. (5)
 لہذا اور خشک سال کے سزاوار اثرات کی وضاحت کریں۔
- (b) Identify the sudden and immediate impacts of natural disasters. (5)
 قدرتی آفات کے اچانک اور فوری اثرات کی نشاندہی کریں۔
- Q.36. (a) Who was the most influential person in the Government of Pharaohs? Discuss. (5)
 فرعونوں کی حکومت میں سب سے زیادہ اثر رکھنے والا کون تھا؟ بحث کریں۔
- (b) Describe the reasons for the decline of the Indus Valley Civilization. (5)
 وادی سندھ کی تہذیب کے زوال کی وجوہات بیان کریں۔
- Q.37. (a) Why Alexander the Great attacked India? Explain. (6)
 سکندر اعظم نے ہندوستان پر حملے کیا کیا؟ وضاحت کریں۔
- (b) Evaluate the relations between the Greeks and Romans. (6)
 یونانیوں اور رومیوں کے درمیان تعلقات کا جائزہ لیں۔

Model Paper Mathematics





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Time = 3 hours

Objective Part (MCQs)

1. Identify the factor of 87: (5)
 (a) 2 (b) 3 (c) 7 (d) 8
2. The multiple of 11 is: (5)
 (a) 33 (b) 36 (c) 46 (d) 52
3. The LCM of 14 and 56 will be: (5)
 (a) 2 (b) 7 (c) 14 (d) 56
4. The HCF of 32 and 42 is: (5)
 (a) 2 (b) 8 (c) 32 (d) 42
5. Identify the integer: (5)
 (a) 2.7 (b) $\frac{3}{7}$ (c) $1\frac{3}{7}$ (d) 10
6. The absolute value of -404 is: (5)
 (a) -404 (b) -44 (c) 44 (d) 404
7. The solution of $(+18) + (-23)$ is: (5)
 (a) 5 (b) -5 (c) 41 (d) -41

8. The product of (-7) and (-15) is: (5)
 (a) 105 (b) -105 (c) 22 (d) -22
9. The solution of $(-51) + (-3)$ is: (5)
 (a) 15 (b) 17 (c) 19 (d) 23
10. By subtracting (-23) from (+19) we get: (5)
 (a) -42 (b) -4 (c) 4 (d) 42
11. In percentage $\frac{28}{100}$ is written as: (5)
 (a) 0.028% (b) 0.28% (c) 2.8% (d) 28%
12. The simplest form of $\frac{4}{6} : \frac{7}{8}$ is: (5)
 (a) 2 : 3 (b) 7 : 12 (c) 16 : 21 (d) 17 : 22
13. 7% of 200 is: (5)
 (a) 7 (b) 17 (c) 21 (d) 28
14. In 3 : 5, the antecedent is: (5)
 (a) 3 (b) 5 (c) 8 (d) 15
15. If Ahmad got 720 marks out of 800, then the percentage of obtained marks will be: (5)
 (a) 89% (b) 90% (c) 91% (d) 92%
16. There are 30 teachers and 300 students in the school. The ratio of teachers to students will be: (5)
 (a) 3 : 4 (b) 1 : 10 (c) 10 : 1 (d) 2 : 1
17. The improper subset of B = {4, 8, 10} is: (5)
 (a) ϕ (b) { ϕ } (c) {4, 8} (d) {4, 8, 10}
18. A set having no element is called: (5)
 (a) Empty Set (b) Singleton Set (c) Infinite Set (d) Universal Set
19. The next two terms in the sequence 5, 8, 11, 14, ... are: (5)
 (a) 15, 16 (b) 17, 20 (c) 18, 22 (d) 21, 28
20. The algebraic expression for the statement "a number p decreased by 1" is: (5)
 (a) P - 1 (b) P + 1 (c) 1 - P (d) -1 - P
21. The sum of $x - 5y - 4z$ and $2x + 2y + z$ is: (5)
 (a) $3x + 3y + 3z$ (b) $3x - 3y + 3z$ (c) $3x + 3y - 3z$ (d) $3x - 3y - 3z$

22. Identify linear equation: (5)
 (a) $\frac{a}{x} + \frac{b}{y} = 1$ (b) $\frac{x}{y} + 2y = 1$ (c) $ax + b = 0$ (d) $ax^2 + b = 0$
23. If the length of one side of cube is 2 cm, then the surface area of cube will be: (5)
 (a) 4 cm² (b) 8 cm² (c) 16 cm² (d) 24 cm²
24. The perimeter of given figure is: (5)
 (a) 4 cm (b) 8 cm (c) 12 cm (d) 16 cm
25. Identify 3-D shape: (5)
 (a)  (b)  (c)  (d) 
26. Identify the 2-D shape: (5)
 (a) Line (b) Square (c) Cuboid (d) Cylinder
27. The given lines are: (5)
 (a) Horizontal lines (b) Perpendicular lines (c) Parallel lines (d) Curved lines
28. The order of rotational symmetry of the given square is: (5)
 (a) 1 (b) 2 (c) 3 (d) 4
29. The mean of the data 90, 78, 97, 79 is: (5)
 (a) 84 (b) 85 (c) 86 (d) 87
30. The mode of 5, 4, 7, 6, 9, 12, 3, 6, 6, 4, 2, 3 is: (5)
 (a) 3 (b) 4 (c) 6 (d) 9
31. If a coin is tossed thrice then the possible outcomes will be: (5)
 (a) 2 (b) 4 (c) 8 (d) 16
32. The procedure that can be repeated many times and has a well defined set of possible outcomes is known as: (5)
 (a) Experiment (b) Scientific experiment (c) Event (d) Simple event
33. (a) Find the HCF of 16, 24 and 48 by division method. (5)
 (a) 16 (b) 24 (c) 48 (d) 48 اور 24 اور 16 کا عام اور اعظم پڑیہ تقسیم معلوم کریں۔

- (b) Arrange the absolute values of following numbers in ascending order. (5)
 -14, 5, 1, 12, -8, -5, 2
- Q.34. (a) Prove that: $6 \times (10 + 13) = (6 \times 10) + (6 \times 13)$. (5)
 (b) The price of a bag is increased from Rs 2000 to Rs 2500. Find the increased price of bag in percentage. (5)
- Q.35. (a) Solve $(3x + 5y - z) + (2y + z) - (3x + 3y)$. (5)
 (b) Alia and Ayesha bought 25 suits together. Alia bought 13 suits. How many suits did Ayesha buy? (5)
- Q.36. (a) Find the area of trapezium whose lengths of parallel sides are 3 cm and 8 cm, with perpendicular height 4 cm. (5)
 (b) Construct an angle of 75° with the help of compass and draw bisector of it. (7)
- Q.37. (a) Find the mean and mode of the data 10, 2, 8, 0, 2, 6, 2. (5)
 (b) Find the probability of getting a prime number if a fair dice is rolled. (5)

Model Paper General Science





[Paper A: 48 Marks, Paper B: 52 Marks, Total: 100 Marks]









Time = 3 hours

Objective Part (MCQs)

1. Energy is produced in which part of the animal cell? (5)
 (a) Mitochondria (b) Vacuole (c) Ribosomes (d) Cell wall
2. Which type of blood cells help to fight against infection? (5)
 (a) Red blood cells (b) White blood cells (c) Platelets (d) Serum

- Identify the process in which pollen grains are transferred from the anther to the stigma:
اس عمل کی شناخت کریں جس میں پھل کی گرنہ پتھر سے سٹیما کی طرف منتقل ہوتے ہیں۔
(a) Pollination پھل پھینکنا (b) Fertilization فیروزائزیشن
(c) Seed formation بیج بننا (d) Seed dispersal بیج پھیلنا
- Stem of strawberry which is spread horizontally above the ground is called:
سٹرابیری کی ٹیم جو زمین کے اوپر افقی طور پر پھیلی ہوئی ہے؟
(a) bulb بلب (b) tuber ٹیوبر
(c) runner رنر (d) layer لیئر
- Identify the source of fibres from the following.
درج ذیل میں سے فیبروں کے ذرائع کی شناخت کریں۔
(a) Egg اڈا (b) Fish مچھلی
(c) Milk دودھ (d) Cereal آٹا
- Which mineral is essential for strengthening of bones and teeth?
ہڈیوں اور دانتوں کو مضبوط کرنے کے لیے کون سا مینرل ضروری ہے؟
(a) Phosphorus فاسفورس (b) Iron آئرن
(c) Calcium کیلیم (d) Zinc زنک
- Bile in the liver helps in the digestion of:
جگر میں موجود بیل کے اجزاء کس چیز کی مدد کرتے ہیں؟
(a) starch نشا (b) fats لیپس
(c) proteins پروٹین (d) carbohydrates کاربوہائیڈریٹس
- What is the role of the large intestine in the digestive system?
وارجسٹو سٹیم میں بڑی آنت کا کیا کردار ہے؟
(a) Breaking down of food خوراک کی توڑ پھوس
(b) Absorbing water and minerals پانی اور مینرل کو جذب کرنا
(c) Producing enzymes انزائم پیدا کرنا
(d) Secreting hormones ہارمونز خارج کرنا
- Identify the state of matter in which particles are not free to move.
بادے کی اس حالت کی شناخت کریں جہاں اجزا آزادانہ طور پر حرکت نہیں کر سکتے۔
(a) Liquid مائع (b) Gas گیس
(c) Solid ٹھوس (d) Plasma پلازما
- If a water bottle covered with balloon is pressed then the inflation of the balloon proves the existence of:
اگر پانی سے بھری بوتل کو بالون سے ڈھکا جائے اور اس پر دباؤ لگایا جائے تو بالون کی پھولنا اس کی موجودگی کی علامت ہے۔
(a) liquid particles مائع کے ذرات (b) vacuum خلاء
(c) air particles ہوا کے ذرات (d) solid particles ٹھوس کے ذرات
- The distance between the particles of gaseous atom is:
گیس کے ایٹم کے ذرات کے درمیان فاصلہ ہے:
(a) greater زیادہ (b) Lesser کم
(c) constant مستقل (d) Infinite لامحدود

- The symbol of nitrogen is 'N' and it is a/an:
نایٹروجن کا کیمیکل "N" ہے اور یہ ایک _____ ہے۔
(a) metalloid میٹالوئڈ (b) alloy آلیے
(c) metal میٹل (d) non-metal نون میٹل
- In the molecule of methane, the number of hydrogen atoms is:
میٹھین کے مالیکیول میں ہائیڈروجن ایٹمز کی تعداد ہے:
(a) 1 (b) 2 (c) 3 (d) 4
- Identify the atomic structure of CO₂ from the given images.
درج ذیل تصاویر سے CO₂ کے ایٹمی ساخت کی شناخت کریں۔
(a)  (b)  (c)  (d) 
- How many types of mixtures are there?
گھڑائی کی کتنی اقسام ہیں؟
(a) One ایک (b) Two دو
(c) Three تین (d) Four چار
- Identify the pure substance from the following.
درج ذیل میں سے خالص شے کی شناخت کریں۔
(a) steel سٹیل (b) brass براس
(c) bronze برنز (d) gold گولڈ
- In a salt solution, _____ acts as a solvent.
سالین سولوشن میں _____ سولونٹ کے طور پر کام کرتا ہے۔
(a) sodium سڈیم (b) chlorine کلورین
(c) water پانی (d) sodium hydroxide سڈیم ہائیڈرو آکسائیڈ
- Which form of energy is produced by beating the drum?
دھڑکاؤ سے کون سی شکل کی توانی پیدا ہوتی ہے؟
(a) Light روشنی (b) Nuclear نیوکلیر
(c) Chemical کیمیکل (d) Sound آواز
- Which of the following is NOT an energy converter?
درج ذیل میں سے کون سا انرجی کنورٹرز نہیں ہے؟
(a) Radio ریڈیو (b) Fan پنکھا
(c) Table ٹیبل (d) Iron آئرن
- When a spring is stretched or compressed then it stores:
جب ہرنگ کو کھینچا جائے یا دبا جائے تو یہ سٹور کرتا ہے۔
(a) kinetic energy کائینیٹک انرجی (b) potential energy پوٹینشل انرجی
(c) elastic potential energy ایلاسٹک پوٹینشل انرجی (d) gravitational energy گریویٹیشنل انرجی
- Identify the non-renewable source of energy.
غیر تجدید پذیر ذرائع کی شناخت کریں۔
(a) Coal کوئلہ (b) Wind ہوا
(c) Solar energy سورج کی توانی (d) Flowing water پھولتا پانی
- Which of the following materials is a good conductor of electricity?
درج ذیل میں سے کون سا چیز بجلی کی اچھی کنڈکٹرز ہے؟
(a) Wood لکڑی (b) Rubber ربر
(c) Glass گلاس (d) Copper کانپا

- Which kind of electricity is produced when oppositely charged clouds meet?
جب مخالف چارج والے ہادل آپس میں ملتے ہیں تو انہی کی کون سی قسم پیدا ہوتی ہے؟
(a) Wind electricity وینڈ الیکٹریسیٹی
(b) Static electricity اسٹیٹک الیکٹریسیٹی
(c) Hydroelectricity ہائیڈرو الیکٹریسیٹی
(d) Solar electricity سولر الیکٹریسیٹی
- Identify the open circuit from the following images.
درج ذیل تصاویر سے اوپن سرکٹ کی شناخت کریں۔
(a)  (b)  (c)  (d) 
- Identify the parallel circuit from the following images.
درج ذیل تصاویر سے سٹریٹری سرکٹ کی پہچان کریں۔
(a)  (b)  (c)  (d) 
- Current carrying wire has _____ around it.
کنڈکٹنگ وائر کے ارد گرد _____ ہوتا ہے۔
(a) gravitational field گریویٹیشنل فیلڈ
(b) magnetic field میگنیٹک فیلڈ
(c) strong nuclear field کٹرور نیوکلیر فیلڈ
(d) weak nuclear field ویک نیوکلیر فیلڈ
- Which of the following is NOT the method to demagnetize a magnet?
درج ذیل میں سے کون سا طریقہ میگنیٹ کو ڈی میگنیٹ کرنے کا نہیں ہے؟
(a) Heating ہیٹنگ (b) Hammering ہمرنگ
(c) Rubbing ریبنگ (d) Dropping ڈراپنگ
- The magnet which does not lose its magnetic property easily is called:
ایسا میگنیٹ جو اپنی میگنیٹک خصوصیت آسانی سے نہیں گھونٹا کھاتا ہے؟
(a) temporary magnet مائٹمیٹک میگنیٹ
(b) permanent magnet مستقل میگنیٹ
(c) electromagnet الیکٹرو میگنیٹک
(d) control magnet کنٹرول میگنیٹ
- The purpose of incubation for 10-12 hours to prepare yogurt is to:
دہی بنانے کے لیے 10 سے 12 گھنٹے رکھنے کا مقصد ہے؟
(a) kill bacteria بیکٹیریا کو مارنا
(b) enhance bacteria بیکٹیریا کو تیز کرنا
(c) kill virus وائرس کو مارنا
(d) contra virus وائرس کنٹرول کرنا
- Which of the following is the largest planet in the solar system?
درج ذیل میں سے سولر سسٹم کا سب سے بڑا سیارہ کون سا ہے؟
(a) Mercury مرکری (b) Mars ماس
(c) Jupiter جیوپیٹر (d) Neptune نیپچون
- A comet is a lump of frozen gases, rocks, and dust that orbits around the:
ایک کاسٹ میٹ ہوتی ہے جس میں فرسٹ گیسوں، راکس اور ڈسٹ کا ایک ڈھیر ہے جو _____ کے گرد گھومتا ہے۔
(a) Moon چاند (b) Mars ماس
(c) Saturn سیارن (d) Sun سورج

- Which planet in our solar system is closest to the Sun?
سولر سسٹم میں کون سا سیارہ سورج سے سب سے زیادہ قریب ہے؟
(a) Mercury مرکری (b) Venus وینس
(c) Earth زمین (d) Mars ماس

Subjective Part (CRQs)

- Q.33.(a) How many ways do plants reproduce? Write their names.
(2)
پودے کتنے طریقوں سے تولید کرتے ہیں؟ ان کے نام لکھ کر کریں۔
(b) How artificial asexual reproduction is different from natural asexual reproduction? Give one example of each.
(2+2=4)
مصنوعی اسیجنکولی ری پر وائجنس قدرتی اسیجنکولی سے کس طرح مختلف ہے؟
(c) Explain how agriculture is getting better due to artificial propagation.
(4)
دشادت کریں کہ آبیاری پر وائجنس زراعت کس طرح بہتر ہو رہی ہے؟
- Q.34.(a) Why digestion is necessary for the human body.
(2)
انسانی جسم کے لیے وائجنس کیوں اہم ہے؟
(b) Small and large intestines are parts of the alimentary canal. Write their functions.
(4)
چھوٹی اور بڑی آنتیں ایسٹری کینال کا حصہ ہیں۔
(c) What are the causes of constipation and ulcer and how they can be controlled?
(4)
تھب اور اسرکی کیا وجوہات ہیں اور انہیں کیسے کنٹرول کیا جاسکتا ہے؟
- Q.35.(a) Sugar compound is made up of which components? Write in the form of a word equation.
(2)
شکر کا کیا جزو کن اجزا سے بنا ہوتا ہے؟ الفاظ کی شکل میں مساوات لکھ کر کریں۔
(b) Write the uses of the following metals.
(4)
درج ذیل متالوں کے استعمال لکھ کر کریں۔
1. Iron آئرن 2. Copper کانپا
3. Aluminium ایلمینیم 4. Sodium سڈیم
(c) Write any four uses of compounds.
(4)
کیا ہر ذرے کوئی سے چار ذرائع لکھ کر کریں۔
- Q.36.(a) Define magnetic field and draw magnetic field lines by using a magnetic compass. (2+2=4)
میگنیٹک فیلڈ کی تعریف کریں اور میگنیٹک کمپاس کی مدد سے میگنیٹک فیلڈ لائنیں کھینچیں۔
(b) Why the process of magnetization is different from demagnetization?
(4)
میگنیٹائزیشن کا عمل وی ڈی میگنیٹائزیشن سے کس طرح مختلف ہے؟
(c) Write the four uses of electromagnets in daily life.
(4)
روزمرہ زندگی میں الیکٹرو میگنیٹس کے چار استعمال لکھ کر کریں۔
- Q.37.(a) How the use of fertilizers is beneficial for the growth of plants?
(2)
فیروزائزنگ کا استعمال پودوں کی گرتھ کے لیے کیوں ضروری ہے؟
(b) Write the main four steps of preparing yogurt from the raw milk.
(4)
دودھ سے یوگرت تیار کرنے کے چار اہم اقدام لکھ کر کریں۔
(c) How does a solar oven work to convert solar energy into heat energy?
(4)
سولر اوون سولر انرجی کو تھپ میں تبدیل کرنے کے لیے کس طرح کام کرتا ہے؟