

General Instructions:

- The question paper is divided into two sections: Section A (Objective) and Section B (Subjective).
- All questions are compulsory.
- Read all the questions carefully before attempting.

Section A: Objective (30 Marks)**1. Multiple Choice Questions (MCQs)****[1x10=10]**

- a) Which visualization is best for representing a relation between two variables ?
i. Scatter plot ii. Histogram iii. Pie Chart
- b) What technologies are used by chatbots ?
i. Text Analysis ii. Speech Recognition iii. Both a and b
- c) Which of the following types of learning is used when the machine learns from feedback based on its actions ?
i. Supervised Learning ii. Unsupervised Learning iii. Reinforcement Learning
- d) Teachable Machine can recognize patterns using :
i. Audio only ii. Text only iii. Images, audio, and poses
- e) Which concept involves a computer making decisions based on patterns from data without direct instructions ?
i. Programming ii. Machine Learning iii. Web Development
- f) Which chart is commonly used to compare data values?
i. Pie Chart ii. Bar Chart iii. Flow Chart
- g) What is the main purpose of data visualization?
i. To confuse users ii. To store games iii. To present data clearly
- h) Which of the following is an example of data?
i. Marks of students ii. A drawing iii. A song
- i) What does ML stand for in computers?
i. Machine Learning ii. Memory Load iii. Main Link
- j) Teachable Machine is mainly used to create:
i. Games ii. Machine learning models iii. Documents

2. Fill in the Blank**[1x10=10]**

- a. Survey and questionnaires are _____ source of data.
- b. _____ is a subfield of Artificial Intelligence, where we teach a machine how to learn on the basis of input data.
- c. _____ Learning is the type of machine learning where the algorithm learns from labeled data.
- d. _____ is the process where an algorithm learns from a set of data to identify patterns .
- e. In Teachable Machine, the project type used for recognizing different sounds is the _____ Project.
- f. In cloud computing, users can access and provision computing resources on _____ basis.
- g. Public cloud services are accessible to the _____ over the internet.
- h. Infrastructure as a Service (IaaS) provides virtualized computing resources such as _____, _____ and _____.
- i. Public cloud services accessible to the _____ over the internet.
- j. The maximum data transfer rate or capacity of a network connection is referred to as _____.

3. Write T for true and F for False statement:

[1x10=10]

- a. Continuous data cannot take decimal values.
- b. Information stored in a PDF is not considered data.
- c. Machine Learning requires complex coding for each task.
- d. Teachable Machine is a tool used to build websites.
- e. Data is not essential for machine learning.
- f. TCP/ IP is a set of protocols that enables communication and data transfer within a local network.
- g. IMAP is an email retrieval protocol that allows users to access and manage their email messages on a mail server.
- h. Public cloud services are accessible only to a specific group of users.
- i. In cloud computing, users can access and provision computing resources on a scheduled basis.
- j. Infrastructure as a Service (IAAS) provides virtualized computing resources such as servers, storage, and networking infrastructure.

Section B: Subjective (50 Marks)

4 .Answer the following question in one word .(DO ANY 5)

[3 ×5= 15]

- a) Name one goal of Artificial Intelligence ?
- b) Which Google tool allows users to teach a machine without coding ?
- c) What is the process of checking a model's accuracy with new data ?
- d) Give one example of when you would use a Pie Chart.
- e) What is the use of a legend in a chart ?
- f) You want to build a way to segregate spam emails from good emails. Which algorithm will you use ?

5. Answer the following question in brief . (DO ANY 6)

[5x6=30]

- a.) Define data visualisation ? What is the need for data visualization in Data Science ?
- b.) Explain machine learning and its importance in AI.
- c.) Describe how the Teachable Machine helps us learn machine learning concepts without coding.
- d.) Explain the steps to sort data using multiple columns with an example.
- e) What is formatting a chart ? Why is it important ?
- f) Explain the components of a chart with their functions.
- g) Why is it important to decide when to use AI? Give two scenarios where AI is helpful and two where it is not.

6. Write the full forms.

[1 x 5 = 5]

- a.) RAM
- b.) OS
- c.) CPU
- d.) GPU
- e.) PIN

SAMPLE PAPER– 2026-27(SET–B)
CLASS - VIII
SUBJECT –SANSKRIT

TIME: 3 HOURS

M.M.: 80

निर्देशाः

- प्रश्नपत्रं सम्यक् पठन्तु।
- सम्पूर्ण प्रश्नपत्रं चतुर्धा विभक्तं भवति ।
- यत्र प्रत्येकस्य प्रश्नस्य विरुद्धं अङ्काः सूचिताः सन्ति ।
- उत्तरं लिखितुं पूर्व सम्यक् प्रश्नसङ्ख्यां प्रविशन्तु।

खण्ड 'क' (अपठित अवबोधनम्)

प्रश्न 1- दत्तं खण्डं सम्यक् पठन्तु, तदनन्तरं ये प्रश्नाः सन्ति तेषां उत्तरं ददतु।

(5)

अपठित गद्यांशम्

विद्यालये एकः छात्रः आसीत्। तस्य नाम रोहितः। सः प्रतिदिनं समयेन विद्यालयं गच्छति स्म। सः अध्ययनशीलः एवं विनयी छात्रः आसीत्। सर्वे शिक्षकाः तस्मै स्नेहं कुर्वन्ति स्म। एकदा विद्यालये वृक्षारोपण-कार्यक्रमः अभवत्। रोहितः अपि उत्साहेन वृक्षान् अरोपयत्। सः अवदत् — “वृक्षाः अस्माकं जीवनस्य आधाराः सन्ति।”

प्रश्नाः

- (क) छात्रस्य नाम किम् आसीत् ?
- (ख) रोहितः कुत्र गच्छति स्म ?
- (ग) शिक्षकाः कस्मै स्नेहं कुर्वन्ति स्म ?
- (घ) विद्यालये कः कार्यक्रमः अभवत् ?
- (ङ) “वृक्षाः अस्माकं जीवनस्य आधाराः सन्ति” इति कः अवदत् ?

प्रश्न 2-दत्तं खण्डं सम्यक् पठन्तु, तदनन्तरं ये प्रश्नाः सन्ति तेषां सम्यक् उत्तरं ददतु।

(5)

अपठित पद्यांशम्

उद्यमेन हि सिद्ध्यन्ति

कार्याणि न मनोरथैः।

न हि सुप्तस्य सिंहस्य

प्रविशन्ति मुखे मृगाः॥

प्रश्नाः

- (क) कार्याणि केन सिद्ध्यन्ति ?
- (ख) कार्याणि कस्य द्वारा न सिद्ध्यन्ति ?
- (ग) कः सुप्तः अस्ति ?
- (घ) सिंहस्य मुखे के न प्रविशन्ति ?
- (ङ) अस्य श्लोकस्य मुख्यः उपदेशः कः अस्ति ?

खंड 'ख' (पठित अवबोधनम्)

प्रश्न 3-दत्तं खण्डं सम्यक् पठन्तु, तदनन्तरं ये प्रश्नाः सन्ति तेषां उत्तरं ददतु।।

(5)

गद्यांशं-

विज्ञानस्य एतत् युगम्। यत्र कुत्रापि दृष्टिः गच्छति तत्रैव विज्ञानेन आविष्कृतं किमपि दृश्यते। गृहं स्यात् कार्यालयः वा, आपणं स्यात् उद्योगालयः वा, सर्वत्र विज्ञानस्य चमत्कारान् पश्यामः।

अपि चन्द्रयात्रा भवेत्, मङ्गलयात्रा वा, नानुभूयते किमपि कौतुकमद्य। नवीनेन आविष्कारेण विगतः आविष्कारः अतिक्रान्तः भवति। किं यन्त्रमपि मस्तिष्कयुक्तमिव प्रभवति इति केन पूर्वं चिन्तितम्? परं सत्यमेवैतत्, यत् मस्तिष्कमपि भवति यन्त्रेषु। तानि यन्त्राणि आकर्षयन्ति, विचारयन्ति, विचारस्य पश्चात् च समुचितानि उत्तराण्यपि ददति।

किमेतत् यन्त्रम्? किम् अवगतं युष्माभिः? एतस्याभिधानम् अस्ति 'संगणकम्' इति महत्त्वापणेषु क्रीतवस्तूनां मूल्यगणना, महत्सु जलपानगृहादिषु मूल्यपत्रकाणां च गणः निमिषेणैव संगणकस्य सहायतया भवति।

प्रश्नाः

- (क) अद्य सर्वत्र कस्य चमत्कारान् पश्यामः ?
- (ख) कस्य सहायतया मूल्यगणना निमिषेण भवति ?
- (ग) यन्त्राणि किं कुर्वन्ति ?
- (घ) 'संगणकम्' इति यन्त्रस्य अभिधानम् अस्ति वा ?
- (ङ) महत्सु जलपानगृहादिषु किं गणना भवति

प्रश्न 4-दत्तं खण्डं सम्यक् पठन्तु, तदनन्तरं ये प्रश्नाः सन्ति तेषां उत्तरं ददतु।

(5)

पद्यांशं-

अनेके प्रदेशाः अनेके च वेषाः

अनेकानि रूपाणि भाषा अनेकाः।

परं यत्र सर्वे वयं भारतीयाः

प्रियं भारतं तत् सदा रक्षणीयम् ।।

वयं भारतीयाः स्वदेशं नमामः

परं धर्ममेकं सदा मानयामः।

तदर्थं धनं जीवनं चार्पयामः

प्रियं भारतं मे सदा वन्दनीयम्।।

प्रश्नाः

- (क) भारते के अनेके सन्ति ?
- (ख) वयं सर्वे के स्मः ?
- (ग) किं सदा रक्षणीयम् अस्ति ?

- (घ) वयं स्वदेशं किं कुर्मः ?
(ङ) कविना भारतं कथं वर्णितम् ?

प्रश्न 5- रिक्तस्थानानि पूरयत।

(5)

- (क) श्रीमद्भागवतं च _____ शोभन्ते।
(ख) नाट्यशास्त्रप्रणेता: _____ नाम को न जानाति ?
(ग) यः न केवलं भारतस्य अपितु _____ प्रवर्तकः अस्ति।
(घ) विश्वविश्रुता: _____ अभवन्।
(ङ) ज्ञानस्य _____ क्षेत्रेषु _____ ग्रन्थभाण्डागारः वर्तते।

प्रश्न 6-दत्तप्रश्नानांकेचन पञ्च प्रश्नाः उत्तराणि एकेनपदेन लिखत।

(5)

- (क) कुत्र अस्माभिः स्नेहेन स्थातव्यम् ?
(ख) दुर्जनैः सह किं न कर्तव्या ?
(ग) किं निष्ठया कर्तव्यम् ?
(घ) परं यत्र सर्वे वयं के ?
(ङ) किं सर्वथा दर्शनीयम् ?
(च) एतत् संगणकं कतिविधं भवति ?
(छ) विश्लेषकेण संगणकेन किं भवति

प्रश्न 7-निम्नलिखितप्रश्नेषु पञ्चसु प्रश्नेषु सम्पूर्णवाक्योतराणि लिखन्तु।

(10)

- (क) समाजे कुत्र अनुशासनम् आवश्यकम् ?
(ख) आङ्गिकेन संगणकेन किं भवति ?
(ग) प्रियं भारतं कथं सर्वथा दर्शनीयम् ?
(घ) प्रियं भारतं कथं सदा पूजनीयम् ?
(ङ) कस्मिन् क्षेत्रे चरकसुश्रुतात्रेयप्रभृतयः सन्ति ?
(च) के अस्माकं वैज्ञानिकसमुन्नतेः निदर्शनभूताः सन्ति?

खंड 'ग' (व्याकरणम् अवबोधनम्)

प्रश्न 8-अधोलिखितानां परस्परं मेलनं कुरुत।

(5)

- मधुरम्प्रमादः नैव
अध्ययनेप्रक्षेप्यम्
अनुशासनं विनावक्तव्यम्
त्रिशूलम्मोहः
नष्टोअव्यवस्था

प्रश्न 9-उदाहरणानुसारं लिखत।

(5)

उदाहरणम् – उत् + घोषयन्तः = उद्घोषयन्तः

- (क) प्र + विशन्ति
- (ख) वि + कासः
- (ग) आ + गच्छतु
- (घ) सम् + ऋद्धये
- (ङ) प्रति + अग्रतया

प्रश्न 10-विभक्तिं वचनं च लिखत ।

(10)

- (क) खगोले
- (ख) प्राचीना
- (ग) विज्ञानस्य
- (घ) विविधेषु
- (ङ) भ्रातरः

खंड 'घ' (रचनात्मकम् कार्यम्)

प्रश्न 11-दत्तेन पदेन रिक्तस्थानं पूरयत ।

(10)

(उद्याने, वृक्षाः, निम्बवृक्षाः, पृच्छन्तु, पश्यन्तु, छायाः, पक्वानि, किञ्चित्, आम्राणि, शोभनम्)

छात्रा : _____ खलु तव उद्यानम्। वयं त्वां _____ प्रष्टुम् इच्छामः।

मालाकारः यथेच्छं _____ भवन्तः।

छात्रा : श्रीमन् ! _____ कस्य कस्य फलस्य _____ अत्र सन्ति ?

मालाकारः अत्र आम्राणां, दाडिमानां, पेरुकाणां, नारङ्गानां, जम्बीराणां बदराणां च वृक्षाः सन्ति।

छात्राः किम् अत्र _____ न सन्ति ?

मालाकारः भवन्तः तत्र _____ । तत्र निम्बवृक्षाः, शिंशपाः, कोविदाराः, अन्ये चापि वृक्षाः सन्ति। ते _____ प्रयच्छन्ति ।

छात्राः श्रीमन् ! _____ अधुना कानि फलानि _____ सन्ति।

मालाकारः – अधुना तु _____ एव पक्वानि सन्ति।

प्रश्न 12- दत्तधातुषु कस्यापि एकस्य रूपं यथानिर्देशं लिखत ।

(10)

(क) दृश् (लृट् लकार)

अथवा

(ख) लभ् (लोटलकार)

निर्देश-

- प्रश्न-पत्र को ध्यानपूर्वक पढ़ें।
- प्रश्न- पत्र चार खण्डों में विभक्त है-खण्ड 'क', 'ख', 'ग' और 'घ' ।
- सभी प्रश्नों के अंक उनके सम्मुख अंकित हैं।
- सभी प्रश्नों के उत्तर देने अनिवार्य हैं।
- उत्तर लिखने से पूर्व सही प्रश्न संख्या अवश्य डालें।

“

खण्ड” – ‘क’ (अपठित अवबोध)

प्रश्न 1- दिए गए “अपठित” गद्य खण्ड को ध्यान पूर्वक पढ़ें और पूछे गए प्रश्नों के सही उत्तर दें:- (5x 1=5)

“अपठित गद्यांश”

चरित्र में कहीं पर किसी तरह का दाग न लगने पाए, इस बात की चौकसी का नाम चरित्रपालन है। हमारे लिए चरित्रपालन की आवश्यकता इसलिए मालूम होती है, क्योंकि चरित्र को यदि हम सुधारने की फिक्र न रखें, तो उसे बिगड़ते देर नहीं लगती। जैसे उर्वरा धरती पर लंबी-लंबी घास तथा कँटीले पेड़ अपने-आप उग आते हैं, परंतु खाद्यान्न और अन्य उपकारी पौधे बड़े यत्न तथा परिश्रम के बाद उगते हैं। प्रकृति ने चरित्र में विकार पैदा करनेवाले बहुत-से प्रलोभन संसार में उपजा दिए हैं, जिनसे आकर्षित होकर मनुष्य को इस प्रकार बिगाड़ा जा सकता है कि वह किसी काम का न रहे।

प्रश्न

- प्र.1 चरित्रपालन से क्या अभिप्राय है?
- प्र.2 चरित्र में सुधार क्यों आवश्यक है?
- प्र.3 कवि ने चारित्रिक विकारों की तुलना किससे की है?
- प्र.4 चारित्रिक पतन के क्या कारण हो सकते हैं?
- प्र.5 चरित्रपालन किस प्रकार संभव है?

प्रश्न 2- दिए गए “अपठित काव्यांश” को ध्यान पूर्वक पढ़ें और पूछे गए प्रश्नों के सही उत्तर दें:- (5x 1=5)

“

अपठित काव्यांश”

लक्ष्मी थी या दुर्गा थी वह स्वयं वीरता की अवतार।
देख मराठे पुलकित होते उसकी तलवारों के वार।।
नकली युद्ध, व्यूह की रचना और खेलना खूब शिकार।
सैन्य घेरना, दुर्ग तोड़ना, ये थे उसके प्रिय खेलवार।।
महाराष्ट्र-कुल-देवी उसकी, भी अराध्य भवानी थी।
बुंदेले हरबोलों के मुँह, हमने सुनी कहानी थी।
खूब लड़ी मर्दानी वह तो झाँसी वाली रानी थी।।

प्रश्न

- प्र.1 प्रस्तुत पद्यांश में ‘मर्दानी’ शब्द किसके लिए प्रयुक्त हुआ है?

प्र.2 रानी लक्ष्मीबाई के प्रिय खेल कौन-कौन से थे ?

प्र.3 रानी लक्ष्मीबाई किसकी उपासक थी ?

प्र.4 रानी लक्ष्मीबाई की किस बात से मराठे पुलकित हो उठते थे?

प्र.5 झाँसी की रानी की बहादुरी की कथा कौन सुनाते हैं?

“खण्ड” – ‘ख’ (पठित अवबोध)

प्रश्न 3-दिए गए “पठित गद्य-खण्ड को ध्यानपूर्वक पढ़ें और पूछे गए प्रश्नों के उत्तर दें:-

(5x 1=5)

“पठित गद्यांश”

इन वृक्षों पर अनेक रंग के पक्षी चहचहाते हैं और नगर के दुष्ट बंधकों से निडर होकर कल्लोल करते हैं। वर्षा के कारण सब ओर हरियाली ही दिखाई पड़ती थी मानो हरे गलीचा की जात्रियों के विश्राम के हेतु बिछायत बिछी थी। एक ओर त्रिभुवन पावनी श्री गंगा जी की पवित्र धारा बहती है जो राजा भगीरथ के उज्ज्वल कीर्ति की लता-सी दिखाई देती है। जल यहाँ का अत्यंत शीतल है और मिष्ट भी वैसा ही है मानो चीनी के पने को बरफ में जमाया है, रंग जल का स्वच्छ और श्वेत है और अनेक प्रकार के जल-जंतु कल्लोल करते हुए। यहाँ श्री गंगा जी अपना नाम नदी सत्य करती हैं अर्थात् जल के वेग का शब्द बहुत होता है और शीतल वायु नदी के उन पवित्र छोटे-छोटे कनों को लेकर स्पर्श ही से पावन करता हुआ संचार करता है। यहाँ पर श्री गंगा जी दो धारा हो गई हैं- एक का नाम नील धारा, दूसरी श्री गंगा जी ही के नाम से, इन दोनों धारों के बीच में एक सुंदर नीचा पर्वत है और नील धारा के तट पर एक छोटा-सा सुंदर चुटीला पर्वत है और उसके शिखर पर चण्डिका देवी की मूर्ति है। यहाँ हरि की पैड़ी नामक एक पक्का घाट है और यहीं स्नान भी होता है। विशेष आश्चर्य का विषय यह है कि यहाँ केवल गंगा जी ही देवता हैं, दूसरा देवता नहीं। यों तो वैरागियों ने मठ मंदिर कई बना लिए हैं। श्री गंगा जी का पाट भी बहुत छोटा है पर वेग बड़ा है, तट पर राजाओं की धर्मशाला यात्रियों के उतरने के हेतु बनी हैं और दुकानें भी बनी हैं पर रात को बंद रहती हैं। यह ऐसा निर्मल तीर्थ है कि इच्छाक्रोध की खानि जो मनुष्य है सो वहाँ रहते ही नहीं।

प्रश्न

(क) वृक्षों पर पक्षी किस प्रकार कल्लोल करते थे?

(ख) वर्षा के कारण चारों ओर क्या दृश्य दिखाई पड़ता था?

(ग) श्री गंगा जी की दो धाराओं के क्या नाम हैं?

(घ) नील धारा के तट पर किस देवी की मूर्ति स्थित है?

(ङ) हरि की पैड़ी क्या है और वहाँ क्या होता है?

प्रश्न 4-दिए गए काव्य खंड को ध्यान पूर्वक पढ़ें और काव्य पर आधारित प्रश्नों के उत्तर दें:-

(5x 1=5)

काव्यांश

साँच बराबर तप नहीं, झूठ बराबर पाप।
जाके हिरदे साँच है, ता हिरदे गुरु आप।।
बड़ा हुआ तो क्या हुआ, जैसे पेड़ खजूर।
पंथी को छाया नहीं, फल लागै अति दूर।।
गुरु गोविंद दोऊ खड़े, काके लागौ पाँय।
बलिहारी गुरु आपने, गोविंद दियो बताय।।
अति का भला न बोलना, अति का भला न चूप।
अति का भला न बरसना, अति की भली न धूप ॥

प्रश्न

- (क) कवि के अनुसार सबसे बड़ा तप किसे कहा गया है?
- (ख) झूठ को किसके बराबर बताया गया है?
- (ग) खजूर के पेड़ का उदाहरण देकर कवि क्या समझाना चाहता है?
- (घ) गुरु और गोविंद दोनों खड़े हों तो पहले किसके चरण स्पर्श करने चाहिए?
- (ङ) कवि ने "अति" के विषय में क्या संदेश दिया है?

प्रश्न 5- नीचे दी गई पंक्तियों में से किसी एक को को ध्यानपूर्वक पढ़िए और विचार कीजिए कि आपको इनका क्या अर्थ समझ में आया है? दोनों पंक्तियों पर अपने विचार लिखिए। (5×1=5)

पंक्तियां

- (क) "कबिरा मन पंछी भया भावै तहवाँ जाय। जो जैसी संगति करै सो तैसा फल पाय"।

अथवा

- (ख) "एक दिन अंदर नहीं घुस पाएँगी, तो घर छोड़ देंगी।"

प्रश्न 6- दिए गए अति लघु उत्तरीय प्रश्नों में से किन्हीं पांच प्रश्नों के उत्तर दें-

(5×1=5)

- (क) लेखक का हरिद्वार अनुभव मुक्ता किस प्रकार का था?
- (ख) पत्र की भाषा का एक मुख्य लक्षण क्या है?
- (ग) "एक आशीर्वाद" कविता में किसे संबोधित किया गया है?
- (घ) कहानी में गौरैया के बार-बार लौटने को जीवन के किस पहलू से जोड़ा जा सकता है?
- (ङ) "स्वदेश" कविता का मुख्य भाव क्या है?
- (च) "भारतेन्दु हरिश्चंद्र" की दो प्रमुख रचनाओं के नाम बताइए।

प्रश्न 7- दिए गए प्रश्न में से किन्हीं दो प्रश्नों के उत्तर दें।

(2×4=8)

- (क) फल, फूल, गंध, छाया, पत्ते, छाल, बीज, लकड़ी और जड़; यहाँ तक कि जले पर भी कोयले और राख से लोगों का मनोर्थ पूर्ण करते हैं। "इस वाक्य के माध्यम से आपको वृक्षों के महत्व के बारे में कौन-कौन सी बातें सूझ रही हैं?
- (ख) "गुरु गोविंद दोऊ खड़े काके लागौ पाँय।" इस दोहे में गुरु को गोविंद (ईश्वर) से भी ऊपर स्थान दिया गया है। क्या आप इससे सहमत हैं? अपने विचार लिखिए।
- (ग) कहानी में गौरैया के व्यवहार में कब और कैसे बदलाव आया यह बदलाव क्यों आया?*
- (घ) "अब मैं हार मानने वाला आदमी नहीं हूँ" इस कथन से पिताजी के स्वभाव के कौन से गुण उभर कर आते हैं।

खंड 'ग' (व्याकरण अवबोधन)

प्रश्न 8- समास विग्रह करके समास का नाम लिखिए।

(5×1=5)

- (क) नीलगगन
- (ख) सप्तर्षि
- (ग) तिरंगा
- (घ) नवग्रह
- (ङ) महाराज

प्रश्न 9-दिए गए अनेक शब्दों के लिए एक शब्द लिखें।

(5×1=5)

- (क) दूसरों पर उपकार करनेवाला
- (ख) सबको प्रिय लगने वाला
- (ग) युग का निर्माण करने वाला
- (घ) जिसकी कोई उपमा न हो
- (ङ) जो सब कुछ जानता हो

प्रश्न 10-वाक्य में आए प्रत्यययुक्त शब्द को रेखांकित कर प्रत्यय लिखिए।

(5×1=5)

- क. रसोइया काम के बोझ से थक गया था।
- ख. सँपेरा बीन बजाकर साँप को काबू में कर रहा था।
- ग. दुनियाभर की खबरें इस पत्रकार के पास हैं।
- घ. जादूगर जादू के करतब दिखा रहा था।
- ङ. बरतन से चिकनाहट हटाने में बड़ी देर लगी।

प्रश्न 11-दिए गए प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर दें।

(3 × 5 = 15)

- (क) कारक किसे कहते हैं? यह कितने प्रकार का होता है ?
- (ख) सर्वनाम की परिभाषा तथा इसके प्रकार बताइए।
- (ग) द्विगु समास और बहुव्रीहि समास में क्या अंतर है?
- (घ) लिंग किसे कहते हैं? यह कितने प्रकार का होता है? उदाहरण के साथ स्पष्ट करें।

खंड 'घ' (रचनात्मक कार्य)

प्रश्न 12-दिए गए विषय में से किसी एक विषय पर पत्र लिखें।

(6×1=6)

(क) आप राजकीय माध्यमिक विद्यालय, शेख सराय के विद्यार्थी हैं। अपने प्रधानाचार्य को वार्षिक सहायता प्राप्त करने के लिए पत्र लिखिए।

अथवा

(ख) पशु पक्षियों के प्रति प्रेम पूर्वक व्यवहार की सीख देते हुए अपने छोटे भाई को एक पत्र लिखें।

प्रश्न 13-किसी एक विषय पर लगभग 80 शब्दों में अनुच्छेद लिखें।

(6×1=6)

- (क) पॉलिथीन
अथवा
- (ख) जल ही जीवन है

SAMPLE PAPER– 2026-27(SET–B)
CLASS - VIII
SUBJECT –ENGLISH

TIME: 3 HOURS

M.M.: 80

General Instructions:

1. The Question paper contains three sections:

- Sec A: Reading
- Sec B: Writing + Grammar
- Sec C: Literature

2. Attempt questions based on specific instructions for each part.

Section A - Reading

Q 1: Read the Passage given below:

(10 marks)

The Mughals who ruled over India for over three centuries have a tremendously rich history and influence over India. From Babar to Aurangzeb, each Mughal Emperor has his own unique significance.

With six rulers namely Babur, Humayun, Akbar, Jehangir, Shahjahan and Aurangzeb, the Mughal empire reached its peak and some of the famous architecture India enjoys today, was built under their reign. The last Mughal emperor was Bahadur Shah II. The first Mughal emperor to rule over India was Babur, who descended from the Turko - Mongol conqueror Timur and the founder of the Mongol Empire, Genghis Khan. Babur established supreme control over northern India after winning the Battle of Panipat in 1526.

Based on your reading of the passage given above, answer the following Questions .

1. Who was the first Mughal emperor of India?

- A) Akbar
- B) Babur
- C) Humayun
- D) Aurangzeb

2. Which battle helped Babur establish control over northern India?

- A) Battle of Plassey
- B) Battle of Panipat
- C) Battle of Buxar
- D) Battle of Haldighati

3. How many main Mughal rulers are mentioned in the passage?

- A) Five
- B) Six
- C) Seven
- D) Eight

4. Who was the last Mughal emperor?

- A) Aurangzeb
- B) Shah Jahan
- C) Bahadur Shah II

D) Jahangir

5. Babur was a descendant of which two famous conquerors?

A) Ashoka and Chandragupta

B) Timur and Genghis Khan

C) Alexander and Napoleon

D) Akbar and Humayun

Here's the text from your image, transcribed correctly:

Q2:- Read the poem given below?

(10 marks)

My next door neighbour, Mrs Jones,
has got a garden full of stones:
A crazy path, a lily pond,
a rockery and just beyond
A sundial with a strange device,
which Mrs. Jones thinks is rather nice.

My next door neighbour, Mrs Jones,
puts little plants between the stones
They are so delicate a small,
they do not mean anything at all.
I can not think how she gets
them in,
Unless she plants them with a pin.

Answer the following questions in your own words:*

a-What is Mrs. Jones' garden full of?

a) Flowers

b) Stones

c) Trees

d) Grass

b-What is mentioned as being in the garden?

a) A swing

b) A fountain

c) A lily pond

d) A bench

c-What does Mrs. Jones think is nice?

a) The flowers

c) The path

b) The strange device on the sundial

d) The pond

d-Where does Mrs. Jones put little plants?

a) In pots

c) Near the pond

b) Between the stones

d) On the path

e-How does the speaker imagine Mrs. Jones plants the tiny plants?

a) With a shovel

c) With a pin

b) With her hands

d) With a stick

Sec - B (Grammar + Writing)

Q3:- Attempt any ten of the following:

(10 marks)

Change the following:

(i) Ramesh had been studying English for many years. **(Interrogative)**

(ii) He is O.K. ***(Interrogative)***

(iii) Have they been trying hard since morning? **(Simple sentence.)**

Do as directed:

(iv) Dipak is selling newspaper. **(Passive)**

(v) These have been finished by Mohan and his team. **(Active voice)**

:Use proper article

(vi) This is ----- person who motivated us alot. **(a, an, the)**

(vii) Shyam is one of ----- best friends. **(a, an, the)**

(viii) ----- Apple a day, Keep the Doctors away. **(a, an, the)**

(ix) --- Man is a bundle of errors.

(x) She is going to buy --- things she loves very much. **(a, an, the)**

Q4: Write down a paragraph in about 150 words

(10 marks)

OR

Write a letter of enquiry. Your school wishes to organise a visit to a memorial in your state/region. Write the letter to the in-charge regarding available dates for visits.

Section-C

Q5: Read the following lines. Give the answer to it?

(8 marks)

(i) The Vijayanagara Empire was renowned for its glory, wealth.

i- Give the name of the Empire renowned for its glory?

(ii) Krishnadeva Raya's court was home to eight celebrated poets.

(How many poets were in the court?)

(iii) Even the wisest rulers face moments of disharmony.

(What is the sense of it?)

(iv) She began, her voice trembling.

It was filled with vague expressions.

(Who wrote this sentence?)

Q.6: Give the answer:

(8 marks)

(i) Why do you think Major Somnath's story continues to inspire soldiers and civilians today?

(ii) According to Dr. Kurien, "Life is a privilege and it is wrong to waste it." What is your opinion on this?

(iii) What is the significance of the man slipping the brush into Gopi's hand?

(iv) Why does the poet refer to things painted by Gopi's paintbrush as 'magic gains'?

Q.7: Give the answer in 30-40 words:

(10 marks)

(i) How does the poet show the helplessness of the old woman?

(ii) Why does the boy decide to help the old woman?

- (iii) 'Somebody's Mother' — the title. How can one justify it?
- (iv) Give information about Dr. Kurien.
- (v) What was the Benchmark statement of Dr Kurien for all the people?

Q.8) Give the answer of the following Questions:

Answer in (80-100 words)

(14 marks)

- (i) What might be the old woman's fears as she waited for a long time at the Crossing?
- (ii) How was the boy's approach towards the old lady different from the other boys in the group?

SAMPLE PAPER– 2026-27(SET–B)
CLASS - VIII
SUBJECT –SOCIAL SCIENCE

TIME: 3 HOURS

M.M.: 80

General Instructions:

All questions are compulsory.

Read the questions carefully before answering.

Write neat and clean answers.

Draw labelled diagrams wherever necessary.

Marks are indicated against each question.

1. Multiple Choice Questions.

10

1. Which of the following is a renewable natural resource?

- (a) Coal (b) Petroleum (c) Solar energy (d) Natural gas

2. Which authority is responsible for conducting elections in India?

- (a) Supreme Court (b) Parliament (c) Election Commission of India (d) Planning Commission

3. Who among the following was the founder of the Maratha kingdom?

- (a) Balaji Vishwanath (b) Shivaji Maharaj (c) Sambhaji (d) Bajirao I

4. Which European power first reached India by sea route?

- (a) British (b) Dutch (c) Portuguese (d) French

5. Which factor of production includes machinery, tools and buildings?

- (a) Land (b) Labour (c) Capital (d) Enterprise

6. **Assertion (A):** Colonial rule changed the Indian economy.

Reason (R): British policies encouraged Indian handicrafts and local industries.

- (a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false
(d) A is false but R is true

7. Which house of Parliament is known as the Upper House?

- (a) Lok Sabha (b) Vidhan Sabha (c) Rajya Sabha (d) Legislative Council

8. **Assertion (A):** Natural resources should be used carefully.

Reason (R): Excessive use of resources can lead to depletion.

- (a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false

(d) A is false but R is true

9. Which voting method is followed in India?

- (a) Open voting (b) Universal Adult Franchise
(c) Limited franchise (d) Property-based voting

10. What was the main aim of the British East India Company in India?

- (a) Spread education (b) Promote democracy
(c) Expand trade and political control (d) Protect Indian industries

2. Fill in the blanks.

10

- Resources that can be replaced naturally are called _____ resources.
- The right to vote is known as _____.
- The capital of Shivaji Maharaj was _____.
- The British East India Company came to India mainly for _____.
- The two houses of Parliament are Lok Sabha and _____.
- The executive branch implements the _____ made by legislature.
- Human effort used in production is called _____.
- The Election Commission ensures free and _____ elections.
- Coal and petroleum are examples of _____ resources.
- The policy of using local goods is known as _____.

3. True or False.

5

- Petroleum is a renewable resource.
- Shivaji Maharaj promoted Swarajya.
- The British encouraged Indian traditional industries to grow rapidly.
- Every adult citizen above 18 years has the right to vote in India.
- Capital is one of the factors of production.

4. Match the following.

5

	Column I		Column II
1	Shivaji Maharaj	A	Conduct elections
2	Election Commission	B	Human effort in production
3	Labour	C	Founder of Maratha Kingdom
4	Coal	D	Upper house of parliament
5	Rajyasabha	E	Non renewable resources

5. Very Short Answer Type Questions.

(2×5=10)

1. Why are forests important natural resources?
2. What is meant by universal adult franchise?
3. Name any two European powers that came to India during colonial rule.
4. Why is capital important in production?
5. What is questions hour?

6. Short Answer Type Questions.

(3×4=12)

1. Explain any three features of the parliamentary system in India.
2. How did colonial rule affect Indian farmers and artisans?
3. Describe the role of Shivaji Maharaj in strengthening the Maratha Empire.
4. Explain the importance of sustainable use of natural resources.

7. Long Answer Type Questions.

(4×4=16)

1. Explain the structure and functions of the Indian Parliament.
2. Describe the major causes behind the rise of the Marathas.
3. Explain the different factors of production with suitable examples.
4. Discuss the impact of British economic policies on India.

8. Read the following passage and answer the questions that follow.

4

The Constitution of India gives every adult citizen the right to vote regardless of caste, religion, gender or wealth. Elections are conducted regularly so that people can choose their representatives. The Election Commission supervises the entire election process to ensure fairness and transparency. Voting helps citizens participate in governance and strengthens democracy in India.

Questions:

- (a) What is the minimum age for voting in India? (1)
- (b) Which body conducts elections in India? (1)
- (c) Why is voting important in a democracy? (2)

9. Observe the image and answer the questions that follow.

4



1. Identify the natural resource shown in the image.

2. Mention three way to conserve this resource.

10. Look at the map given below and answer the following questions.

4



1. Identify the region associated with the rise of the Marathas. (1)

2. Name the capital fort of Shivaji Maharaj. (1)

3. Which sea lies to the west of the Maratha region? (1)

4. Name one important Maratha ruler after Shivaji. (1)

SAMPLE PAPER– 2026-27(SET–B)
CLASS - VIII
SUBJECT – MATHEMATICS

TIME: 3 HOURS

M.M.: 80

General Instructions:

1. This question paper contains 38 questions divided into five sections: A, B, C, D, and E.
2. Section A comprises 20 MCQs (Q1 to Q20) of 1 mark each. Q19 and Q20 are Assertion-Reason questions.
3. Section B comprises 5 Very Short Answer questions of 2 marks each with 2 internal choices.
4. Section C comprises 6 Short Answer questions of 3 marks each with 2 internal choices.
5. Section D comprises 4 Long Answer questions of 5 marks each with 2 internal choices.
6. Section E comprises 3 Case-Based integrated units of assessment of 4 marks each.
7. All questions are compulsory. Internal choice has been provided in some questions.

SECTION A: MULTIPLE CHOICE QUESTIONS (20 × 1 = 20 Marks)

Q1. What is the smallest number by which 252 must be multiplied to make it a perfect square?

- (a) 2 (b) 3 (c) 7 (d) 11

Q2. Evaluate the value of the cube root of integer expression: -343.

- (a) 7 (b) -7 (c) 17 (d) -17

Q3. Find the simplified outcome value for the exponential expression: $(4/5)^{-2} \times (5/4)^{-3}$.

- (a) 4/5 (b) 5/4 (c) 16/25 (d) 25/16

Q4. Express the fractional unit dimension 0.00000361 in standard scientific base-10 format:

- (a) 3.61×10^{-6} (b) 3.61×10^{-5} (c) 36.1×10^{-7} (d) 0.361×10^{-5}

Q5. How many structural non-square natural numbers lie precisely between 19^2 and 20^2 ?

- (a) 38 (b) 39 (c) 40 (d) 19

Q6. The cube of any even natural integer will always yield an:

- (a) Odd number (b) Even number (c) Prime number (d) Perfect number

Q7. If a three-digit integer layout is modeled as $100x + 10y + z$, reversing all its digits fields the structural math notation:

- (a) $100z + 10y + x$ (b) $100x + 10z + y$ (c) xyz (d) zyx

Q8. A regular convex quadrilateral whose all interior boundary angles measure 90 degrees each and all sides are equal is a:

- (a) Rectangle (b) Rhombus (c) Square (d) Trapezium

Q9. If opposite interior angles of a parallelogram are represented by $(3x - 10)$ degrees and $(2x + 20)$ degrees, find x:

- (a) 10 (b) 20 (c) 30 (d) 40

Q10. If a placeholder value integer $4X25$ is completely divisible by 3, what is the smallest single-digit option for X?

- (a) 1 (b) 4 (c) 7 (d) 0

Q11. Determine the true degree of the operational algebraic polynomial: $4a^2b^3c - 7ab^2 + 2$:

- (a) 5 (b) 6 (c) 3 (d) 1

Q12. Multiply the monomial operations: $(-5x^3y) \times (-2x^2y^4)$. The simplified outcome product matches:

- (a) $10x^5y^5$ (b) $-10x^5y^5$ (c) $10x^6y^4$ (d) $-7x^5y^5$

Q13. If ratio $x:y = 3:4$ and ratio $y:z = 8:9$, calculate the missing continuous ratio $x:z$:

- (a) 1:3 (b) 2:3 (c) 3:2 (d) 4:3

Q14. Twelve matching water pumps can drain a quarry reservoir layout in 60 minutes. How long will 15 pumps take?

- (a) 75 mins (b) 48 mins (c) 45 mins (d) 36 mins

Q15. Divide the algebraic polynomial statement $(20a^3b^2 + 15a^2b^3)$ by the monomial component $(5a^2b^2)$:

- (a) $4a + 3b$ (b) $4a - 3b$ (c) $4 + 3$ (d) $5a + b$

Q16. Under basic number play algorithms, if an integer ends with the digit 0, it must always be divisible by both:

- (a) 3 and 5 (b) 2 and 5 (c) 4 and 5 (d) 6 and 5

Q17. Subtract the polynomial block $(4a^2 - 3ab)$ from $(2a^2 + 5ab)$. The resulting expression matches:

- (a) $-2a^2 + 8ab$ (b) $2a^2 - 8ab$ (c) $-2a^2 - 8ab$ (d) $6a^2 + 2ab$

Q18. If the sum of all interior angles of a regular convex polygon layout is 1080 degrees, how many sides does it have?

- (a) 6 (b) 7 (c) 8 (d) 10

Direction for Q19 & Q20: Choose the correct option:

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
 (b) Both (A) and (R) are true but (R) is not the correct explanation of (A).
 (c) (A) is true but (R) is false.
 (d) (A) is false but (R) is true.

Q19. Assertion (A): The square root of the decimal metric 5.76 is 2.4.

Reason (R): Squaring an odd root integer will always preserve individual numerical factors.

Q20. Assertion (A): Every square is structurally a rhombus and a rectangle.

Reason (R): A square possesses all properties of a rhombus along with all interior corner angles equal to 90 degrees.

SECTION B: VERY SHORT ANSWER QUESTIONS (5 × 2 = 10 Marks)

Q21. Find the square root of 11.56 using the prime factorization layout configuration method. [2 Marks]

Q22. Simplify and express the index value with a positive exponent format:

$$(2^{(-4)} \times 15^{(-4)} \times 3^2) / (3^{(-6)} \times 10^{(-4)}).$$

[2 Marks]

OR

Find the value of variable m to satisfy the mathematical identity statement: $(3/7)^5 \times (3/7)^{(-9)} = (3/7)^{(3m-1)}$.

[2 Marks]

Q23. If a four-digit number pattern 45A2 is completely divisible by 9, find all single-digit options for digit A. [2 Marks]

Q24. In a parallelogram PQRS, if adjacent interior angle P = 110 degrees, calculate the measurements of remaining angles. [2 Marks]

OR

The diagonals of a rectangle layer cross-section measure equal values. If one diagonal is 15 cm and width is 9 cm, find its length. **[2 Marks]**

Q25. Divide the polynomial expression statement: $(18x^4y^3 - 12x^3y^2)$ by the monomial divisor $(6x^2y)$. **[2 Marks]**

SECTION C: SHORT ANSWER QUESTIONS (6 × 3 = 18 Marks)

Q26. Find the smallest number by which 500 must be divided so that the quotient becomes a perfect cube. **[3 Marks]**

Q27. Find the square root of 5184 using the structural long division method layout. Show steps. **[3 Marks]**

Q28. Simplify the following expression sequence by expanding the polynomial components and combining like items: $(3x - 4)(2x + 5) - (4x^2 - 2x + 9)$. **[3 Marks]**

OR

Subtract the sum of $(-2a^2 + 4ab - b^2)$ and $(5a^2 - ab + 3b^2)$ from the polynomial block $(6a^2 + 2ab - y^2)$. **[3 Marks]**

Q29. In a cryptarithm block puzzle (Number Play), determine the unique digit values for variables X, Y, and Z to solve: $4X6 + 27Y = Z13$. **[3 Marks]**

Q30. A construction project yard has food provisions to sustain 150 builders for 30 days. If 30 builders leave the project site, calculate how many days the remaining food provisions will last. **[3 Marks]**

OR

An automated industrial loom produces 240 metres of fabric yarn in 6 hours under continuous tracking.

(i) How many metres will it weave in 10 hours?

(ii) Calculate the hours needed to finish a contract of 600 metres. **[3 Marks]**

Q31. Prove algebraically that for any general four-digit integer arrangement abcd, the subtraction operational layout expression $(abcd - dcba)$ is always completely divisible by 9. **[3 Marks]**

SECTION D: LONG ANSWER QUESTIONS (4 × 5 = 20 Marks)

Q32. Find the square root of 31.36 using long division layout, and evaluate the final calculation value of: $\sqrt{31.36} + \sqrt{3136}$. **[5 Marks]**

OR

Determine the smallest 5-digit natural number which forms a perfect square block. Show clear division layout steps. **[5 Marks]**

Q33. The structural profile perimeter of an executive office yard forms an isosceles trapezium layout. The parallel sides are in the ratio 3:5, and the perpendicular height distance separating them is 12 m. If the total grid surface area equals 480 m^2 , calculate the length of both parallel boundaries. **[5 Marks]**

Q34. Divide the polynomial expression statement $(2x^2 + 11x + 15)$ by the binomial factor $(x + 3)$ using polynomial long division. Show checking steps. **[5 Marks]**

OR

Simplify the following multi-group polynomial operational layout sequence: $x(y - z) + y(z - x) + z(x - y) + (x + y)(x - y)$. **[5 Marks]**

Q35. A manufacturing steel framing bar of uniform layout operates under direct proportional reasoning parameters. If a 12-metre segment of this structural profile tracks a mass weight of 8 kg, calculate:

- (i) The weight of a 42-metre segment of the same framing bar.
- (ii) The total length required if a structural engineer orders a total mass of 30 kg. **[5 Marks]**

SECTION E: CASE-BASED INTEGRATED QUESTIONS (3 × 4 = 12 Marks)

Q36. Case Study 1: Commercial Cold Storage Engineering

A refrigeration logistics layout uses automated modular preservation lockers. An engineer designs a high-capacity cubical conservation vault block whose internal operational volume layout measures exactly $5.832 \times 10^3 \text{ cm}^3$.

- 1. Calculate the precise edge side length measurement of the internal preservation vault workspace. Write your answer as a regular decimal or whole value. **[2 Marks]**
- 2. Express the total outer surface area of one structural side wall of this cubical locker in standard exponential scientific notation format with base 10. **[2 Marks]**

Q37. Case Study 2: Marine Drone Coordinate Tracking Boundaries

A coastal tracking station maps out an environmental sanctuary coordinate loop grid. The perimeter path forms a geometric kite shape PQRS where structural tracking diagonals PR and QS cross each other at a central junction anchor point O. The length of diagonal PR = 30 m, QS = 16 m, and the intersection divides QS equally such that QO = OS.

- 1. What is the measure of the angle formed at the central junction intersection anchor point O? State the geometric property that dictates this layout. **[2 Marks]**
- 2. If the length of coordinate boundary side PQ = 17 m, calculate the length of the coordinate segment line PO. **[2 Marks]**

Q38. Case Study 3: Hydroelectric Plant Spillway Flow

An automated water management spillway gate system releases fluid into irrigation canal lines. A master intake valve runs under direct proportion rules. The data management log shows that discharging 600 kilolitres of river water takes 24 minutes of continuous tracking operation.

- 1. Find the rate of water discharge in kilolitres per minute. How many kilolitres will be released if the intake valve runs continuously for an hour? **[2 Marks]**
- 2. If a downstream crop basin layout requires exactly 3,750 kilolitres of river water to achieve safety saturation levels, for how many hours must the intake valve run? **[2 Marks]**

SAMPLE PAPER– 2026-27(SET–B)
CLASS - VIII
SUBJECT – G.K.

TIME: 3 HOURS

M.M.: 80

GENERAL INSTRUCTIONS TO CANDIDATES:

1. This question paper is structured into three sections: Section A (40 Marks), Section B (20 Marks), and Section C (20 Marks).
2. All questions are mandatory. Marks allocated for each question are indicated against it.
3. Read each question carefully before writing down the final answers.
4. For objective items, ensure clarity. Overwriting or ticking multiple options will result in zero marks for that question.
5. For Section B (Question 5), identify the specific visual plates from your text chapters and write names legibly in the line provided.
6. Maintain neat, legible handwriting and tidy presentation across the answer scripts.

SECTION A: OBJECTIVE & RECALL (40 Marks)

Q1. Multiple Choice Questions (MCQs)

(5 × 2 = 10 Marks)

1. India's Mangalyaan mission successfully entered the orbit of Mars on its very first attempt in which year?
 - a) 2010
 - b) 2014
 - c) 2018
 - d) 2022
2. Which legendary Indian scientist discovered that plants have life and can feel emotions?
 - a) Sir J.C. Bose
 - b) Dr. C.V. Raman
 - c) Dr. Homi Bhabha
 - d) Srinivasa Ramanujan
3. Jim Corbett National Park, India's oldest national park established to protect the endangered Bengal tiger, is located in:
 - a) Rajasthan
 - b) Uttarakhand
 - c) Assam
 - d) Karnataka
4. Giant ocean waves caused by underwater earthquakes or volcanic eruptions are called:
 - a) Cyclones
 - b) Hurricanes
 - c) Tsunamis
 - d) Tornadoes
5. Sharks possess a special sensory ability called 'electroreception'. What does this help them detect?
 - a) Water temperature changes
 - b) Electrical fields produced by nearby prey
 - c) Sunlight directions
 - d) Plant habitats

Q2. Fill in the Blanks**(5 × 2 = 10 Marks)**

1. The smallest indivisible unit of ordinary matter that forms a chemical element is called an _____.
2. The headquarters of the World Health Organization (WHO) is located in _____, Switzerland.
3. Acclaimed Indian author Kiran Desai won the Man Booker Prize for her famous book The Inheritance of _____.
4. Rainforests are dense forest habitats found near the equator that receive immense rainfall; they are often called the 'Lungs of the _____'.
5. In political terms, a system of government where power is held by elected representatives and an elected leader rather than a monarch is called a _____.

Q3. Match the Following**(5 × 2 = 10 Marks)**

Match the items in Column A with their correct options in Column B:

Column A	Column B
1. Sunderlal Bahuguna	A. Kathak (India)
2. Mary Kom	B. Mariana Trench
3. Famous Global Indian	C. Chipko Movement
4. Deepest Point in Marine Life	D. Satya Nadella (CEO, Microsoft)
5. Traditional Dance Form	E. Six-Time World Boxing Champion

Q4. True or False**(5 × 2 = 10 Marks)**

1. UNICEF is an international organization that works primarily to protect children's rights and well-being worldwide. (True / False)
2. Dr. C.V. Raman won the Nobel Prize in Physics for his ground-breaking work on the scattering of light. (True / False)
3. Coral reefs are dead rock structures that do not support marine life biodiversity. (True / False)
4. Earthquakes can be accurately predicted weeks in advance using modern weather satellites. (True / False)
5. The mascot and motto of the Asian Games are selected to represent the cultural heritage of the host nation. (True / False)

SECTION B: VISUAL & CURRENT EVENTS (20 Marks)**Q5. Picture Identification****(5 × 2 = 10 Marks)**

1. Identify the following image and write its correct name below:



Answer: _____

2. Identify the following image and write its correct name below:



Answer: _____

3. Identify the following image and write its correct name below:



Answer: _____

4. Identify the following image and write its correct name below:



Answer: _____

5. Identify the following image and write its correct name below:



Answer: _____

Q6. Current Affairs

(5 × 2 = 10 Marks)

1. Smt. Droupadi Murmu currently holds which constitutional post in India? _____
2. Which Indian space agency recently launched advanced satellite exploration missions into orbit?

3. What is the name of the capital city of India? _____
4. Which global sporting event or trophy is currently dominating recent international sports news?

5. Name any international organization (like UN, WHO, UNESCO) currently in the news for global welfare.

SECTION C: SHORT ANSWER & LOGIC (20 Marks)

Q7. Answer the following questions in 1-2 sentences:

(5 × 4 = 20 Marks)

1. Why was the success of the Mangalyaan launch considered a landmark historic achievement for ISRO globally?
2. Give two distinct examples of how animals use their specialized senses to protect themselves from predators.
3. Explain the difference between 'Imports' and 'Exports' in a country's trade economy.
4. Name two major Indian national parks and specify which wild animal they are primarily famous for protecting.
5. What basic precautions should communities take immediately during an unexpected Earthquake?

SAMPLE PAPER– 2026-27(SET–B)
CLASS - VIII
SUBJECT – SCIENCE

TIME: 3 HOURS

M.M.: 80

General Instructions

- i-This question paper consists of 39 questions in 5 sections.
- ii. All questions are compulsory. However, an internal choice is provided in some questions. A student is expected to attempt only one of these questions.
- iii. Section A consists of 20 objective type questions carrying 1 mark each.
- iv. Section B consists of 6 Very Short questions carrying 02 marks each.
- v. Section C consists of 7 Short Answer type questions carrying 03 marks each.
- vi. Section D consists of 3 Long Answer type questions carrying 05 marks each.
- vii. Section E consists of 3 Questions case study-based Questions of 04 marks each.

SECTION A: Multiple Choice Questions (MCQs)

(20 × 1 = 20 Marks)

Q1. Which of the following is an example of a multicellular organism?

- (a) Bacteria (b) Amoeba (c) Paramecium (d) Human

Q2. The cell was discovered by:

- (a) Robert Boyle (b) Charles Darwin (c) Robert Koch (d) Robert Hooke

Q3. Which of the following increases the fertility of soil?

- A. Lactobacillus bacteria | B. Rhizobium bacteria | C. Spirogyra algae | D. Blue-green algae
(a) A and B (b) B and C (c) A and D (d) B and D

Q4. A large spherical organelle present in almost all cells that controls cellular activities is:

- (a) protoplasm (b) ribosome (c) mitochondria (d) nucleus

Q5. The carrier of malaria-causing protozoan is:

- (a) Female Anopheles mosquito (b) Cockroach
(c) Housefly (d) Spider

Q6. Which of the following is NOT caused by bacteria?

- (a) Cholera (b) Typhoid (c) Tuberculosis (d) Measles

Q7. One of the following is a disease caused due to deficiency of vitamin in the diet. This one is:

- (a) Goitre (b) Marasmus (c) Beri-beri (d) Anaemia

Q8. The vaccine given to treat and prevent Tuberculosis (TB) is:

- (a) DPT (b) Covaxin (c) Polio drops (d) BCG

Q9. When electric current is passed through the filament of a bulb, it gives off: A. Sound | B. Heat | C. Magnetism | D. Light

- (a) A and B (b) B and C (c) B and D (d) Only D

Q10. In a filament-type bulb, a lot of electric energy is wasted in the form of:

- (a) magnetism (b) sound (c) light (d) heat

Q11. A compact fluorescent electric lamp (CFL) has:

- (a) nichrome filament (b) chromium filament

(c) tungsten filament (d) no filament

Q12. When an electric current flows through a nichrome wire for a short time: A. The wire becomes warm. | B. A magnetic compass placed below the wire is deflected.

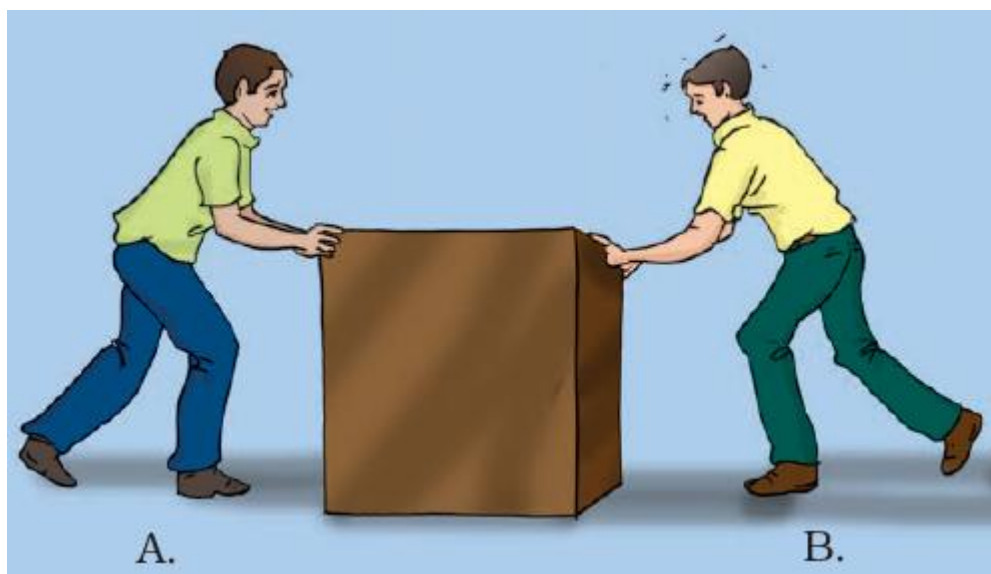
- (a) Only A is correct (b) Only B is correct
(c) Both A and B are correct (d) Both A and B are not correct

Q13. Which of the following is NOT an example of the force of gravity?

- (a) A leaf falling from a tree (b) A boy pushing a cart on a level plane
(c) A diver jumping into a swimming pool (d) A stone falling from the top of a cliff

Q14. In Fig 11.1, two boys A and B are shown applying force on a block. If the block moves towards the right, which one of the following statements is correct?

- (a) The magnitude of force applied by A is greater than that of B.
(b) The magnitude of force applied by A is smaller than that of B.
(c) The net force on the block is towards A.
(d) The magnitude of force applied by A is equal to that of B.



Q15. A comb attracts tiny bits of paper due to:

- (a) friction (b) electrostatic force (c) gravitational force (d) magnetic force

Q16. Which of the following factors does NOT contribute directly to the development of a thunderstorm?

- (a) temperature (b) wind speed (c) humidity (d) rotation of Earth

Q17. Some mustard oil is kept in a beaker. It will exert pressure:

- (a) downwards only (b) sideways only (c) upwards only (d) in all directions

The questions below consist of an assertion and a reason. Use the following key to choose the appropriate answer.

- A. Both Assertion and Reason are true, and Reason is the correct explanation of Assertion.
B. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion.

C. Assertion is true, but Reason is false.

D. Assertion is false, but Reason is true

18-Assertion: Electric fuse is a safety device.

Reason: It protects electrical appliances from damage due to high current.

19-Assertion: Balanced forces can change the shape of an object.

Reason: Balanced forces always keep objects at rest.

20-Assertion: Air pressure decreases with increase in altitude.

Reason: The density of air decreases at higher altitudes.

SECTION B: Very Short Answer Type Questions

(6 × 2 = 12 Marks)

Q21. Name any two diseases caused by **Fungi** and **Protozoa** respectively.

Q22. Mention two ways or suggests you can give to a person suffering from chronic diabetes to help him control his sugar levels.

Q23. What is an electric fuse? Of what material is its wire generally made?

Q24. State the SI units of **Mass** and **Weight**.

Q25. Give two examples from everyday life to show that friction is necessary or useful in our lives.

Q26. Why do gases mix or diffuse easily into each other, while solids do not?

SECTION C: Short Answer Type Questions

(7 × 3 = 21 Marks)

Q27. Which water-borne diseases can spread if drinking water gets contaminated by the excreta of an infected person? Name any four such diseases from the text.

Q28. What do you understand by:

(a) Deficiency disease

(b) Chronic disease

Give one example of each.

Q29. Figure shows a car sticking to an electromagnet. Name the forces acting on the car? Which one of them is larger?



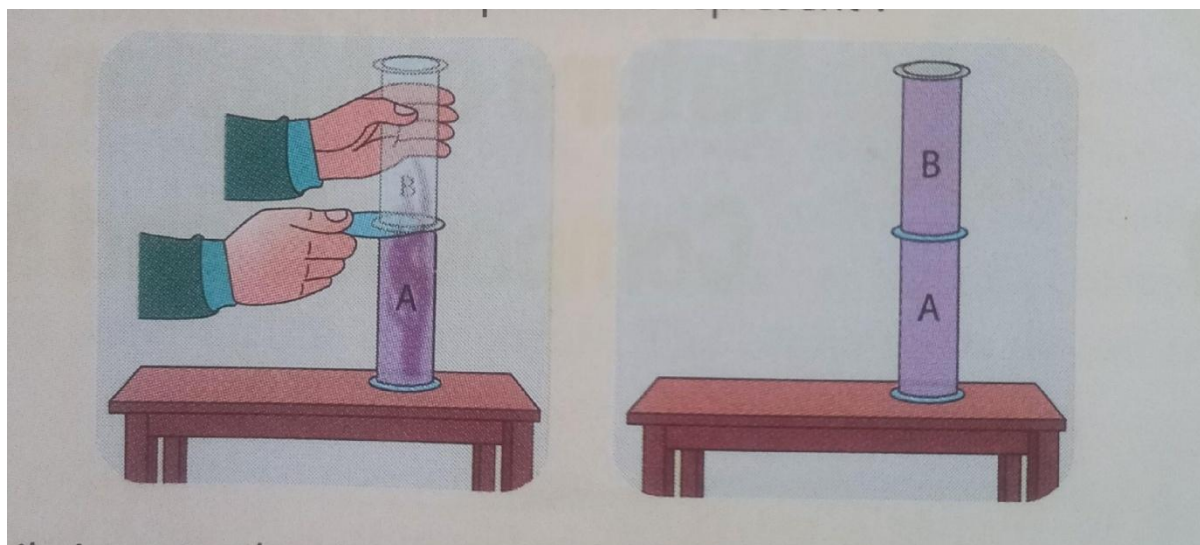
Q30. Explain what might happen to household electrical appliances if a proper fuse is not inserted in the household electric wiring.

Q31. Look at the figure given ahead. Two jars A and B are taken. The jar B contains a solid and jar A is empty. The two gas jars are separated by a glass plate placed between them.

(a) Name the Contents of jar A and B.

(b) What will happen when the glass plate is removed?

(c) What properties of matter does the experiment represent?



Q32. Why do we sometimes slip or find it extremely difficult to walk on smooth, polished floors or wet ice? Explain scientifically.

Q33. What would happen if high-speed winds blow over a house having a weak tin or thatched roof? Give a scientific reason.

SECTION D: Long Answer Type Questions

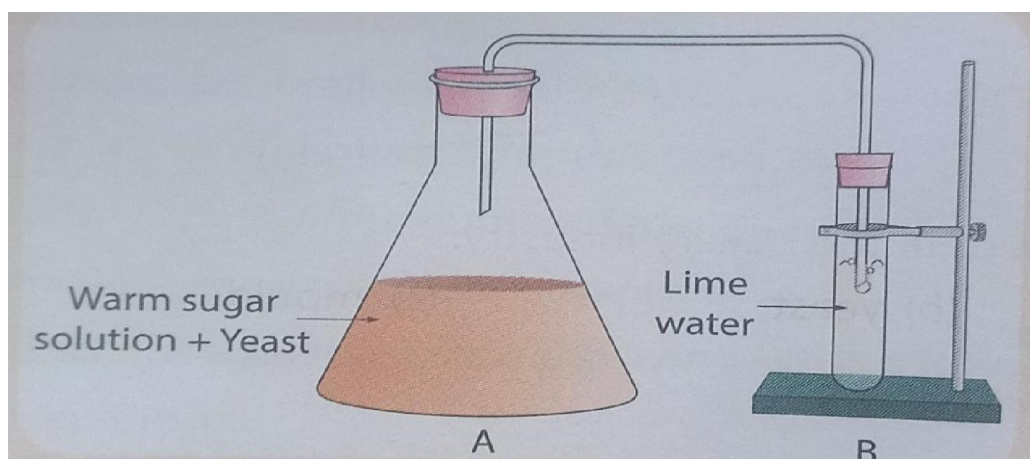
(3 × 5 = 15 Marks)

Q34. Observe the set up given in the figure and answer the following questions.

(a) what happens to the sugar solution in flask A?

(b) What do you observe in test tube B after 4 hours? Why do you think this happened?

(c) What would you have pain if it was not added in flask A?



Q35. (a) Compare Mass and Weight.

(b) The weight of an object on the Moon becomes one-sixth of its weight on the Earth. What causes this change? Does the mass of the object also change on the Moon?

(c) Why are the tires of heavy trucks or tractors made much wider than normal car tires?

Q36. (a) State two distinct properties each of a Solid, a Liquid, and a Gas.

(b) When we heat camphor or ammonium chloride in a corner of a room, it directly changes into gas and its fragrance spreads. What is this process called? Explain how energy changes the state of particles here.

Section-E

Case based study type of question

(3 × 4 = 12 Marks)

37-A weather report warned people living near the coast about a strong cyclone approaching the area. Heavy rainfall and fast winds were expected. The government advised fishermen not to go into the sea and asked people to stay indoors.

Questions:

(a) What is a cyclone?

(b) Why are cyclones usually formed over oceans?

(c) Which of the following conditions helps in cyclone formation?

(a) Cold air and high pressure

(b) Warm air and low pressure

(c) Dry winds

(d) Snowfall

(d) Name any two precautions people should take during a cyclone.

38- One day, many electrical appliances were switched on together in a house. Suddenly, the fuse wire melted and the electricity supply stopped. The electrician explained that excessive current caused overheating.

Questions:

(a) What is the function of an electric fuse?

(b) Why did the fuse wire melt?

(c) Fuse wire is generally made of:

(a) Copper

(b) Aluminium

(c) Alloy of tin and lead

(d) Iron

(d) What can happen if there is no fuse in a circuit?

39- Ice cubes were taken out from a freezer and kept in a bowl. After some time, the ice melted into water. On further heating, the water changed into steam.

Questions:

(a) Name the process in which ice changes into water.

(b) What is the process of changing water into steam called?

(c) Which state of matter has a fixed shape?

(a) Liquid

(b) Gas

(c) Solid

(d) Steam

(d) Why do gases spread easily in all directions?