



PROFESSIONAL EXAMINATION BOARD

Middle School Teacher Eligibility Test – 2018 25th Feb 2019 02:30 PM

Topic:- Child Development & Pedagogy (CDP)

1) A person's IQ is initially represented by ratio of a person's _____ age divided by his/her _____ age. / किसी व्यक्ति का बुद्धि लब्धि को शुरू में उसकी _____ आयु से विभाजित उस व्यक्ति की _____ आयु के अनुपात से दर्शाया जाता है।

1. Real Intentional, Stereotyping / वास्तविक इरादे, स्टीरियोटाइपिंग
2. Chronological, Neurological/ कालानुक्रमिक, स्नायविक
3. Chronological, Mental/ कालानुक्रमिक, मानसिक
4. Mental, Chronological/ मानसिक, कालानुक्रमिक

Correct Answer :-

- Mental, Chronological/ मानसिक, कालानुक्रमिक

2) Which genetic problem is associated with heart defects? / हृदय विकार के साथ कौन सी आनुवांशिक समस्या है?

1. Turner's syndrome / टर्नर सिंड्रोम
2. Down's syndrome / डाउन सिंड्रोम
3. Autism / ऑटिज्म
4. ADHD / एडीएचडी

Correct Answer :-

- Down's syndrome / डाउन सिंड्रोम

3) Which of the following age ranges is considered early childhood? / निम्नलिखित में से किस आयु सीमा को प्रारंभिक बचपन माना जाता है?

1. 7 to 11 / 7 से 11
2. Birth to 2 / जन्म से 2
3. 3 to 12 / 3 से 12
4. 2 to 6 / 2 से 6

Correct Answer :-

- 2 to 6 / 2 से 6

4) The pain of a shoe bite from a new pair of shoes currently being worn is an example of / वर्तमान में पहने जा रहे जूते की एक नई जोड़ी से जूते के काटने का दर्द इसका एक उदाहरण है:

1. Long-term memory / दीर्घ-काल स्मृति
2. Episodic memory / प्रासंगिक स्मृति
3. Immediate memory / तत्काल स्मृति
4. Sensory memory / संवेदना स्मृति

Correct Answer :-

- Immediate memory / तत्काल स्मृति

5) Ecological System theory, originally formulated by Urie bronfenbrenner, specifies four types of nested environmental systems that are also called _____ . / पारिस्थितिक प्रणाली सिद्धांत, जो मूल रूप से उरी ब्रॉफेनब्रेनर द्वारा तैयार किया गया है, चार प्रकार के नेस्टेड पर्यावरण प्रणालियों को निर्दिष्ट करता है जिन्हें _____ भी कहा जाता है।

1. Influential conceptualization/ प्रभावशाली अवधारणा
2. Human development/ मानव विकास
3. Human ecology/ मानव पारिस्थितिकी
4. Intellectual development/ बौद्धिक विकास

Correct Answer :-

- Human ecology/ मानव पारिस्थितिकी

6) Re-directing energy or aggressive goals toward new aims, often artistic, intellectual or cultural goals is called _____. / नए लक्ष्यों की ओर ऊर्जा या उन आक्रामक लक्ष्यों को पुनः निर्देशित करना, जो अक्सर कलात्मक, बौद्धिक या सांस्कृतिक लक्ष्य होते हैं, _____ कहलाता है।

1. `Sublimation / उदात्तीकरण

2. Compensation / प्रतिकरण
3. Affiliation / संबंधन
4. Rationalization / युक्तिकरण

Correct Answer :-

- `Sublimation / उदात्तीकरण

7) Which of the following agencies is responsible for preparing curriculum framework for school education in India? / निम्नलिखित में से कौन सी एजेंसी, भारत में स्कूली शिक्षा के लिए पाठ्यक्रम रूपरेखा तैयार करने के लिए उत्तरदायी है?

1. NCERT
2. NEUPA
3. NCTE
4. RCI

Correct Answer :-

- NCERT

8) Law of Readiness highlights the need of _____ before learning. / तत्परता का नियम, अधिगम से पूर्व _____ की आवश्यकता पर प्रकाश डालता है।

1. Experience / अनुभव
2. Reinforcement / पुनर्बलन
3. Practice / अभ्यास
4. Maturation / परिपक्वता

Correct Answer :-

- Maturation / परिपक्वता

9) What is the 'magic number' according to Miller's theory on chunking? / चंकिंग पर मिलर के सिद्धांत के अनुसार 'मैजिक नंबर' क्या है?

1. 2 (+/-3)
2. 9 (+/-1)

3. 5 (+/- 2)

4. 7 (+/-2)

Correct Answer :-

- 7 (+/-2)

10) What type of Gardner's multiple intelligences is used during a dance performance? / नृत्य प्रदर्शन के दौरान, गार्डनर के किस प्रकार के बहु बुद्धिमत्ता का उपयोग किया जाता है?

1. Naturalistic intelligence / प्राकृतिक बुद्धि
2. Intrapersonal intelligence / अंतरावैयक्तिक बुद्धि
3. Linguistic intelligence / भाषागत बुद्धि
4. Bodily-kinesthetic intelligence / शारीरिक-गतिसंवेदी बुद्धि

Correct Answer :-

- Bodily-kinesthetic intelligence / शारीरिक-गतिसंवेदी बुद्धि

11) What do individuals scoring highly on neuroticism experience? / स्नायुयीय (न्यूरोटिस्जिम) अनुभव में, व्यक्ति को सर्वाधिक क्या अनुभव होता है?

1. Uncontrollable happiness/ अनियंत्रित प्रसन्नता
2. Mixed emotions/ मिश्रित भाव
3. High stress and anxiety/ उच्च तनाव और घबराहट
4. Positivity/ सकारात्मकता

Correct Answer :-

- High stress and anxiety/ उच्च तनाव और घबराहट

12) As a teacher, what is the best way to help students in a problematic situation? / एक शिक्षक के रूप में, समस्याग्रस्त स्थिति में छात्रों की मदद करने का सबसे अच्छा तरीका क्या है?

1. By reward / इनाम देकर
2. By punishment /दंड देकर
3. By providing solution / समाधान प्रदान करके
4. By giving similar type of problem to solve / हल करने के लिए इसी प्रकार की समस्या देकर

Correct Answer :-

- By giving similar type of problem to solve / हल करने के लिए इसी प्रकार की समस्या देकर

13) Children start experiencing peer group influence by around the age of: / बच्चे तकरीबन इस आयु से सहकर्मी समूह प्रभाव का अनुभव करना शुरू कर देते हैं:

1. Five years / पांच वर्ष
2. Four years / चार वर्ष
3. Three years / तीन वर्ष
4. Six years / छः वर्ष

Correct Answer :-

- Six years / छः वर्ष

14) Which of the following is not a characteristic of working memory? / निम्नलिखित में से कौन सी चलन स्मृति (वर्किंग मेमोरी) की विशेषता नहीं है?

1. It involves rehearsal / इसमें रिहर्सल शामिल है।
2. It is permanent / यह स्थायी है।
3. It is active / यह सक्रिय है।
4. It involves manipulation / इसमें जोड़-तोड़ शामिल है।

Correct Answer :-

- It is permanent / यह स्थायी है।

15) Which of the following best describes 'learning'? / निम्नलिखित में से कौन-सा 'अधिगम' का सबसे अच्छा वर्णन करता है?

1. The process of acquiring knowledge and skills through listening to the teacher. / शिक्षक को सुनने के माध्यम से ज्ञान और कौशल प्राप्त करने की प्रक्रिया।
2. The process of gaining facts and information through rote memorization. / मूल संस्मरण के माध्यम से तथ्यों और जानकारी प्राप्त करने की प्रक्रिया।
3. The process of gathering information by reading and writing. / पढ़ने और लिखने के लिए जानकारी इकट्ठा करने की प्रक्रिया।
4. The process of acquiring knowledge, skills and dispositions through our thoughts, experiences, study, senses and sharing./ अपने विचारों, अनुभवों, अध्ययन, इंद्रियों और साझाकरण के माध्यम से ज्ञान, कौशल और निपटान प्राप्त करने की प्रक्रिया

Correct Answer :-

- The process of acquiring knowledge, skills and dispositions through our thoughts, experiences, study, senses and sharing./ अपने विचारों, अनुभवों, अध्ययन, इंद्रियों और साझाकरण के माध्यम से ज्ञान, कौशल और निपटान प्राप्त करने की प्रक्रिया

16) Which of the following stages of psychosocial development do not occur in childhood? / मनोवैज्ञानिक विकास के निम्नलिखित चरणों में से कौन सा चरण बचपन में नहीं होता है?

1. Autonomy vs. shame / स्वायत्तता बनाम शर्म
2. Trust vs. mistrust / विश्वास बनाम अविश्वास
3. Intimacy vs. isolation / अंतरंगता बनाम अलगाव
4. Initiative vs. guilt / पहल बनाम अपराध बोध

Correct Answer :-

- Intimacy vs. isolation / अंतरंगता बनाम अलगाव

17) Which of the following embodies the idea that individuals learn through experience? / निम्नलिखित में से कौन सा विचार मूर्त रूप लेता है जब अनुभव के माध्यम से व्यक्ति सीखता है?

1. Universality / सर्वव्यापकता
2. Nature / प्रकृति
3. Nurture / पोषण
4. Determinism / नियतिवाद

Correct Answer :-

- Nurture / पोषण

18) Language of word is not necessary for: / शब्दों की भाषा इसके लिए आवश्यक नहीं है:

1. Conceptual thinking / वैचारिक चिंतन
2. Perceptual thinking / अवधारणात्मक चिंतन
3. Imaginative thinking / कल्पनाशील चिंतन
4. Associative thinking / साहचर्य चिंतन

Correct Answer :-

- Imaginative thinking / कल्पनाशील चिंतन

19) While Piaget gave importance to biological factors governing development, Vygotsky ascribed importance to _____. / पियाजे ने विकास को नियंत्रित करने वाले जैविक कारकों को महत्व दिया, जबकि वाइगोत्स्की ने इसके महत्व का कारण बताया:

1. Thinking process / चिंतन प्रक्रिया
2. Social interaction / सामाजिक संपर्क
3. Physical factors / भौतिक कारक
4. Environmental factors / पर्यावरणीय कारक

Correct Answer :-

- Social interaction / सामाजिक संपर्क

20) Students from underprivileged background are facing learning difficulty. Most likely factor that is affecting them is -/ वंचित पृष्ठभूमि के छात्रों को सीखने में कठिनाई का सामना करना पड़ रहा है। सबसे संभावित कारक जो उन्हें प्रभावित कर रहा है वह है -

1. Individual needs/ व्यक्तिगत आवश्यकताएं
2. Lack of sleep/ नींद की कमी
3. Stress/ तनाव
4. Cognitive capabilities/ संज्ञानात्मक क्षमता

Correct Answer :-

- Individual needs/ व्यक्तिगत आवश्यकताएं

21) MBTI's approach for a personality assessment is _____. / व्यक्तित्व मूल्यांकन के लिए एमबीटीआई का दृष्टिकोण _____ है।

1. Perception/ धारणा
2. Projective/ प्रक्षेपीय
3. Structured/ संरचित
4. Judging/ आंकना

Correct Answer :-

- Structured/ संरचित

22) The theory of Constructivism was propounded by _____. / निर्माणवाद का सिद्धांत _____ के द्वारा प्रतिपादित किया गया था।

1. Erikson / एरिकसन
2. Bandura / बँडुरा
3. Vygotsky / वाइगोत्स्की
4. Kohlberg / कोहलबर्ग

Correct Answer :-

- Vygotsky / वाइगोत्स्की

23) When new ideas are incorporated into existing ideas they are known as _____. / जब नए विचारों को मौजूदा विचारों में शामिल किया जाता है, तो उन्हें _____ के रूप में जाना जाता है।

1. Accommodation / अनुकूलन
2. Replication / प्रतिकृतियन
3. Assimilation / आत्मसातकरण
4. Reproduction / पुनरुत्पादन

Correct Answer :-

- Assimilation / आत्मसातकरण

24) Using our phones while driving is an example of what kind of attention? / ड्राइविंग करते समय हमारे फोन का उपयोग करना किस प्रकार के अवधान का एक उदाहरण है?

1. Signal attention / सिग्नल अवधान
2. Diffuse attention / विस्तृत अवधान
3. Selective attention / चयनात्मक अवधान
4. Divided attention / विभक्त अवधान

Correct Answer :-

- Divided attention / विभक्त अवधान

25) Which of the following approaches to motivation does not rely on an intrinsic source? / अभिप्रेरण के लिए निम्नलिखित में से कौन सा दृष्टिकोण एक आंतरिक स्रोत पर निर्भर नहीं करता है?

1. Cognitive / संज्ञानात्मक
2. Humanistic / मानववादी
3. Behavioural / व्यवहारवादी

4. Socio-cultural / समाज-सांस्कृतिक

Correct Answer :-

- Behavioural / व्यवहारवादी

26) CANCELLED

Students with learning disabilities have significant _____ in a school related area such as reading, writing, reasoning, listening or math's. / सीखने की अक्षमता वाले छात्र को स्कूल से संबंधित क्षेत्र जैसे पढ़ना, लिखना, तर्क करना, सुनना या गणित में महत्वपूर्ण _____ होती हैं।

1. Grasping / समझ
2. Knowledge / जानकारी
3. Problems / समस्याएं
4. Difficulties / कठिनाईयां

Correct Answer :-

- Difficulties / कठिनाईयां

27) CANCELLED

Physical development in the child slows down by the age range of: / बच्चे में शारीरिक विकास निम्न आयु सीमा में धीमा हो जाता है:

1. 6-9 years / 6-9 वर्ष
2. 3-4 years / 3-4 वर्ष
3. 5-6 years / 5-6 वर्ष
4. 4-5 years / 4-5 वर्ष

Correct Answer :-

- 5-6 years / 5-6 वर्ष

28) CANCELLED

Which of these could be a cause for GDD?

/ इनमें से कौन-सा जीडीडी के लिए एक कारण हो सकता है?

1. Childhood infection / बचपन का संक्रमण

2. Childhood obesity / बचपन का मोटापा
3. Strict parenting / सख्त परवरिश
4. Excessive intake of sugar and additives/ चीनी और एडिटिव्स का अत्यधिक सेवन

Correct Answer :-

- Childhood infection / बचपन का संक्रमण

29) Failure in performance is an essential part of Child learning process because: / प्रदर्शन में असफलता, बच्चे के अधिगम की प्रक्रिया का एक अनिवार्य हिस्सा है क्योंकि:

1. it helps in developing self awareness. / यह आत्म जागरूकता विकसित करने में मदद करता है।
2. it prepares children for unpleasant experiences. / यह बच्चों को बुरे अनुभवों के लिए तैयार करता है।
3. it helps student in re examination. / यह पुनः परीक्षा में छात्र की मदद करता है।
4. it empowers children to understand that taking risks, big or small, is crucial in their learning journey. / यह बच्चों को समझने के लिए सशक्त बनाता है कि जोखिम, बड़ा या छोटा लेना, उनके अधिगम के पथ में महत्वपूर्ण है।

Correct Answer :-

- it empowers children to understand that taking risks, big or small, is crucial in their learning journey. / यह बच्चों को समझने के लिए सशक्त बनाता है कि जोखिम, बड़ा या छोटा लेना, उनके अधिगम के पथ में महत्वपूर्ण है।

30) 'Laura can design a spreadsheet'. This statement is an indicator of which attribute of aptitude test? / 'लौरा, एक स्प्रेडशीट डिजाइन कर सकती है।' यह कथन अभिरुचि परीक्षण की किस विशेषता का सूचक है?

1. Clerical thinking/ कार्यस्थलीय (लिपिकीय) चिंतन
2. Logical thinking/ तर्क शक्ति
3. Organisational thinking/ संगठनात्मक चिंतन
4. Numerical thinking/ अंक चिंतन

Correct Answer :-

- Logical thinking/ तर्क शक्ति

Topic:- General Sanskrit(L1GS)

1) सुदेष्णायाः पुत्री का ?

1. सौभद्रा ।
2. राधा ।
3. कृष्णा ।
4. उत्तरा ।

Correct Answer :-

- उत्तरा ।

2) लङ्घते इत्यस्य पर्यायपदं किम् ?

1. गीयते ।
2. विलपते ।
3. आलापते ।
4. आप्लवते ।

Correct Answer :-

- आप्लवते ।

3) सम्प्रदानविभक्तिः का ?

1. पञ्चमी ।
2. तृतीया ।

3. सप्तमी ।

4. चतुर्थी ।

Correct Answer :-

• चतुर्थी ।

4) नदि धातोः लोट्-उत्तमपुरुष-बहुचनरूपं किम् ?

1. अनन्दत् ।

2. नदीमहे ।

3. नादयामः ।

4. नन्दाम ।

Correct Answer :-

• नन्दाम ।

5) योऽपाम् इत्यस्य सन्धिविच्छेदं कुरुत ।

1. यो अपाम् ।

2. यः पाम् ।

3. यो पाम् ।

4. यः अपाम् ।

Correct Answer :-

• यः अपाम् ।

6) भारतस्य राजधानि का ?

1. भोपालः ।

2. देहली ।

3. उदयपुरम् ।

4. त्रिवेन्द्रम् ।

Correct Answer :-

• देहली ।

7) हृषीकेशः इत्यस्य का व्युत्पत्ति ?

1. ऋषीकाणां ईशः ।

2. हृषीकाणां ईशः ।

3. हृषिकाणां ईशः ।

4. हृषीकाणां इशः ।

Correct Answer :-

. हृषीकाणां ईशः ।

8) करण शब्दस्य धातुः कः ?

1. कृ ।
2. कर ।
3. कु ।
4. क्रया ।

Correct Answer :-

. कृ ।

9) संहत्य इति कीदृशं पदम् ?

1. अव्ययम् ।
2. नपुंसकम् ।
3. स्त्रीलिङ्गम् ।
4. पुलिङ्गम् ।

Correct Answer :-

. अव्ययम् ।

10) कस्य पुत्रः शान्तनवः ?

1. शामदेवस्य ।
2. षण्मातुरस्य ।
3. शन्तनोः ।
4. शकुनेः ।

Correct Answer :-

• शन्तनोः ।

11) १९६० इति संख्यां शब्दैः लिखत ।

1. षष्ट्युत्तर-एकानविंशतिशतम् ।
2. षष्ट्युत्तर-एकोनविंशतिः ।
3. षष्ट्युत्तर-एकविंशतिशतम् ।
4. षष्ट्युत्तर-एकोनविंशतिशतम् ।

Correct Answer :-

• षष्ट्युत्तर-एकोनविंशतिशतम् ।

12) नीचैः इत्यस्य विरुद्धार्थकपदं किम् ?

1. प्राच्यैः ।

2. उच्चैः ।

3. प्रतीच्यैः ।

4. उदीच्यैः ।

Correct Answer :-

• उच्चैः ।

13) शुद्धं वाक्यं चिनुत ।

1. शीलं परां भूषणम् ।

2. शीलं परं भाषणम् ।

3. शीलां परं भूषणम् ।

4. शीलं परं भूषणम् ।

Correct Answer :-

• शीलं परं भूषणम् ।

14) गीतान्ते इत्यस्य विग्रहवाक्यं किम् ?

1. गीतया अन्ते ।

2. गीतायाः अन्ते ।
3. गीतायाः आनन्ते ।
4. गीतायाः अनन्ते ।

Correct Answer :-

. गीतायाः अन्ते ।

15) आत्मभूः शब्दस्य पर्यायपदं किम् ?

1. शिवः ।
2. विष्णुः ।
3. ब्रह्मा ।
4. कृतिक्यः ।

Correct Answer :-

. ब्रह्मा ।

16) सर्वैश्वर्यम् इत्यस्य सन्धिः कः ?

1. वृद्धिः ।
2. गुणः ।
3. यण् ।

4. वान्तादेशः।

Correct Answer :-

. वृद्धिः ।

17) सिंहः कुत्र वसति ?

1. अरण्ये ।

2. नगरे ।

3. सैकते ।

4. ग्रामे ।

Correct Answer :-

. अरण्ये ।

18) प्रवास उद्यमः - अस्य सन्धिं कुरुत ।

1. प्रयासोद्यमः ।

2. प्रवासोद्यमः ।

3. प्रवासाद्यमः ।

4. प्रवासौद्यमः ।

Correct Answer :-

• प्रवासोद्यमः ।

19) द्वाशीतिः इति शब्दं शोधयत ।

1. द्व्यशीति ।

2. द्वयशीतिः ।

3. द्विशीतिः ।

4. द्व्यशीतिः ।

Correct Answer :-

• द्व्यशीतिः ।

20) क्रदि धातोः क्त्वा प्रत्यये रूपं किम् ?

1. क्रदित्वा ।

2. क्रन्दित्वा ।

3. कन्दित्वा ।

4. क्रन्दयित्वा ।

Correct Answer :-

• क्रन्दित्वा ।

21) वर्षे कति अयने स्तः ?

1. पञ्च ।
2. चत्वारि ।
3. त्रीणि ।
4. द्वे ।

Correct Answer :-

• द्वे ।

22) मूर्धन्यवर्णाः के ?

1. इचुयशाः ।
2. रुटुरषाः ।
3. लृतुलसाः ।
4. अकुहविसर्गाः ।

Correct Answer :-

• रुटुरषाः ।

23)

‘पर्वतराजः’ इत्यस्य वर्णान् पृथक् पृथक् लिखत ।

1. प् अ र् व् अ त् अ र् आ ज् अः।

2. प अ र व अ त अ र आ ज अः ।

3. प र व त रा जः ।

4. प् र् व् त् र् ज् अः ।

Correct Answer :-

1. प् अ र् व् अ त् अ र् आ ज् अः।

24) आशङ्क्य इत्यत्र प्रत्ययः कः ?

1. तुमन् ।

2. ल्यप् ।

3. क्त्वा ।

4. अनियर् ।

Correct Answer :-

1. ल्यप् ।

25) रुच्याः पदस्य मूलरूपं किम् ?

1. रुचि ।
2. रुच् ।
3. रच ।
4. रुचा ।

Correct Answer :-

1. रुचि ।

26) अपत्य शब्दस्य अर्थः कः ?

1. पापः ।
2. पात्रः ।
3. पत्नी ।
4. पुत्रः ।

Correct Answer :-

1. पुत्रः ।

27) लोकृ इत्यस्य लिट् रूपं किम् ?

1. ललोके ।
2. लिलोके ।

3. लुलोके ।

4. लेकये ।

Correct Answer :-

. लुलोके ।

28) चक्रन्द इति कस्मिन् पुरुषे अस्ति ?

1. मध्यम ।

2. मध्यमोत्तम ।

3. उत्तम ।

4. प्रथम ।

Correct Answer :-

. प्रथम ।

29) ८.०५ इति घण्टाम् अक्षरैः लिखत ।

1. पञ्चनिमेषोत्तरवादनम् ।

2. पञ्चानिमेषोत्तर-अष्टवादनम् ।

3. पञ्चनिमेषोत्तर-अष्टवदनम् ।

4. पञ्चनिमेषोत्तर-अष्टवादनम् ।

Correct Answer :-

पञ्चनिमेषोत्तर-अष्टवादनम् ।

30)

भीमसेनं के बबन्धुः ?

1. यादवाः ।

2. कौरवाः ।

3. पाण्डवाः ।

4. पौलस्त्याः ।

Correct Answer :-

कौरवाः ।

Topic:- General English(L2GE)

1) Read the poem carefully and answer the question given below:

It is futile to look for rainbows,

In the darkest of the night

As it is fruitless to look for stars-

In the brightness of day light

Whatever needs to be seen

Will be revealed by and by

Just wait patiently for the right moment,

Soon you will be ready to fly

The speaker implies that looking for rainbows in the night is_____.

1. useful
2. pointless
3. enjoyable
4. exciting

Correct Answer :-

- pointless

2) Read the poem carefully and answer the question given below:

It is futile to look for rainbows,

In the darkest of the night

As it is fruitless to look for stars-

In the brightness of day light

Whatever needs to be seen

Will be revealed by and by

Just wait patiently for the right moment,

Soon you will be ready to fly

When the speaker asks the reader to wait, he is suggesting that the reader ought to:

1. Wait for a rainy day to see the rainbow
2. Wait for the seasons to change
3. Wait for a friend to tell him what to do
4. Wait patiently for God to reveal His plan

Correct Answer :-

- Wait patiently for God to reveal His plan

3) Read the poem carefully and answer the question given below:

**It is futile to look for rainbows,
In the darkest of the night
As it is fruitless to look for stars-
In the brightness of day light**

**Whatever needs to be seen
Will be revealed by and by
Just wait patiently for the right moment,
Soon you will be ready to fly**

The word that rhyme with wait is:

1. gate
2. right
3. kite
4. bright

Correct Answer :-

- gate

4) Read the poem carefully and answer the question given below:

**It is futile to look for rainbows,
In the darkest of the night
As it is fruitless to look for stars-
In the brightness of day light**

**Whatever needs to be seen
Will be revealed by and by
Just wait patiently for the right moment,
Soon you will be ready to fly**

The speaker says that _____ is a good quality to have.

1. creativity

2. confidence
3. imagination
4. patience

Correct Answer :-

- patience

5) Read the passage carefully and answer the question given below:

It was 2060. Jessica and James were walking in air. They were in the Black Eye Galaxy.

They had crossed the Andromeda, The Milky way and Whirlpool galaxies before they got here. It was thundering loudly and they heard weird noises unlike those we hear on planet earth. There was an occasional interstellar vibration and a distant cry; there were sharp noises which weren't very pleasant to the ear. They were petrified and were wandering around in search of the space ship they had come in. In fear, the children floated around in space, looking for some sign of their space ship. As they moved around in zero gravity, they saw some of the most mysterious looking surfaces and creatures and frightened as they were, they began feeling like a bad dream had come true...would they reach home or were they to be here forever?

What does the word *sharp* mean in this passage?

1. High pitched
2. Attentive
3. Pointed
4. Like a knife

Correct Answer :-

- High pitched

6) Read the passage carefully and answer the question given below:

It was 2060. Jessica and James were walking in air. They were in the Black Eye Galaxy.

They had crossed the Andromeda, The Milky way and Whirlpool galaxies before they got here. It was thundering loudly and they heard weird noises unlike those we hear on planet earth. There was an occasional interstellar vibration and a distant cry; there were sharp noises which weren't very pleasant to the ear. They were petrified and were wandering around in search of the space ship they had come in. In fear, the children floated around in space, looking for some sign of their space ship. As they moved around in zero gravity, they saw some of the most mysterious looking surfaces and creatures and frightened as they were, they began feeling like a bad dream had come true...would they reach home or were they to be here forever?

Which Galaxy did Jessica and James find themselves in?

1. The Milky way Galaxy
2. The Whirlpool Galaxy
3. The Black Eye Galaxy
4. The Andromeda Galaxy

Correct Answer :-

- The Black Eye Galaxy

7) Read the passage carefully and answer the question given below:

It was 2060. Jessica and James were walking in air. They were in the Black Eye Galaxy.

They had crossed the Andromeda, The Milky way and Whirlpool galaxies before they got here. It was thundering loudly and they heard weird noises unlike those we hear on planet earth. There was an occasional interstellar vibration and a distant cry, there were sharp noises which weren't very pleasant to the ear. They were petrified and were wandering around in search of the space ship they had come in. In fear, the children floated around in space, looking for some sign of their space ship. As they moved around in zero gravity, they saw some of the most mysterious looking surfaces and creatures and frightened as they were, they began feeling like a bad dream had come true...would they reach home or were they to be here forever?

The above passage is about:

1. A journey into the unknown
2. The dream
3. The year 2060
4. Jessica and Jasper's journey

Correct Answer :-

- A journey into the unknown

8) Read the passage carefully and answer the question given below:

It was 2060. Jessica and James were walking in air. They were in the Black Eye Galaxy.

They had crossed the Andromeda, The Milky way and Whirlpool galaxies before they got here. It was thundering loudly and they heard weird noises unlike those we hear on planet earth. There was an occasional interstellar vibration and a distant cry, there were sharp noises which weren't very pleasant to the ear. They were petrified and were wandering around in search of the space ship they had come in. In fear, the children floated around in space, looking for some sign of their space ship. As they moved around in zero gravity, they saw some of the most mysterious looking surfaces and

creatures and frightened as they were, they began feeling like a bad dream had come true...would they reach home or were they to be here forever?

What does the word *petrified* mean?

1. Making a Petri-dish
2. Frightened
3. Excited
4. Elated

Correct Answer :-

- Frightened

9) Choose the appropriate conjunction for the sentence given.

It's very cold today, _____ you should wear a sweater.

1. but
2. so
3. because
4. though

Correct Answer :-

- so

10) Fill in the blank with the correct option in the given sentence:

The children displayed all their exhibits _____ before their parents on the Annual Day.

1. enthusiasm
2. enthusiastically
3. enthuse
4. enthusiasts

Correct Answer :-

- enthusiastically

11) Fill in the blanks with the appropriate suffix in the given sentence:

David was a success-- salesman as he was extremely persu--.

1. --ing , --ing
2. --less, --asion
3. --ful, --asive
4. --fully, --ade

Correct Answer :-

- --ful, --asive

12) Which of the following options best combines the given two sentences?

I was disappointed. I was not able to find a suitable life partner.

1. I was disappointed as I was not able to find a suitable life partner.
2. I was disappointed and I was not able to find a suitable life partner.
3. I was disappointed, yet I was not able to find a suitable life partner.
4. As I was disappointed, I was not able to find a suitable life partner.

Correct Answer :-

- I was disappointed as I was not able to find a suitable life partner.

13) Complete the sentence with the suitable pronouns in the given sentence.

_____ heard someone knocking at _____ door and wondered who _____ would be.

1. You, our, that
2. They, their, they
3. I, my, it
4. We, our, its

Correct Answer :-

- I, my, it

14) Choose appropriate articles for the given sentence:

We reached our destination for ___ day, ___ small town at _____ waterfront.

1. a, the, no article required

2. the, no article required, the

3. the, a, the

4. no article required, a, a

Correct Answer :-

- the, a, the

15) Choose the appropriate option that rewrites the given sentence in its passive voice.

The priests will clean the temple after an eclipse.

1. The temple is cleaned by the priests after eclipse.
2. The temple will be cleaned by the priests after an eclipse.
3. The priests will be cleaning the temple after an eclipse.
4. By whom the temple will be cleaned after an eclipse?

Correct Answer :-

- The temple will be cleaned by the priests after an eclipse.

16) Choose the appropriate synonym for the highlighted word in the given sentence.

The naughty boy continued to play so many pranks that everyone agreed that he was incorrigible

1. amendable
2. powerful
3. irreparable
4. arrogant

Correct Answer :-

- irreparable

17) Choose the appropriate tenses to fill in the blanks in the given sentence :

I _____ for Rahul. Do you _____ where he is?

1. will look, knowing
2. am looking, know
3. look, knew

4. Looked, known

Correct Answer :-

- am looking, know

18) Choose the appropriate antonym for the highlighted word in the given sentence.

Hari's relatives were so gullible that they fell into the trap.

1. guilty
2. susceptible
3. vulnerable
4. street-smart

Correct Answer :-

- street-smart

19) Choose the appropriate prefix to fill in the blank in the given sentence.

She is now a --fledged member of the teaching profession.

1. full--
2. demi--
3. semi--
4. non--

Correct Answer :-

- full--

20) Choose the appropriate prepositions for the given sentence:

Success _____ life depends _____ good health.

1. of, for
2. for, on
3. by, in
4. in, on

Correct Answer :-

- in, on

21) Choose the option that best explains the highlighted expression:

A: The other day, when the Board was discussing the financial situation of the company, the Chairman moved a resolution to congratulate the victory of the cricket team sponsored by the company.

B: I know the Chairman. His speech was a red herring.

What does B mean here?

1. The Chairman wanted to enliven the otherwise dull meeting.
2. The chairman was eager to share the news of the victory.
3. The Chairman wanted to escape from the critical scrutiny of company finances.
4. The Chairman is very enthusiastic about the cricket match.

Correct Answer :-

- The Chairman wanted to escape from the critical scrutiny of company finances.

22) Choose the option that best explains the highlighted expression:

It was such a strange story that I could not make head or tail of it.

1. recognize
2. belief
3. understand
4. visualize

Correct Answer :-

- understand

23) Choose the option that best transforms the sentence into its Indirect form:

My sister said, "What about having a party on Sunday?"

1. My sister wanted to have a party on Sunday.
2. My sister suggested to having a party on Sunday.
3. My sister suggested having a party on Sunday.

4. My sister asks how about having a party on Sunday?

Correct Answer :-

- My sister suggested having a party on Sunday.

24) Choose the option that substitutes the given phrase appropriately.

A government by the nobles

1. Oligarchy
2. Anarchy
3. Plutocracy
4. Aristocracy

Correct Answer :-

- Aristocracy

25) Choose the most appropriate article in the given sentence.

Call me if you have _____ question.

1. any
2. the
3. a
4. no article

Correct Answer :-

- a

26) Read the sentence carefully and choose the option that has an error in it:

We had to work in high pressure to meet the deadline.

1. in high pressure
2. to meet the deadline.
3. We had to work
4. No error

Correct Answer :-

- in high pressure

27) Change the given statement to indirect speech.

She said, "I met my friend yesterday."

1. She said she has met her friend the previous day.
2. She said that she had met her friend the previous day.
3. She said that she met her friend the previous day.
4. She said that she had met her friend yesterday.

Correct Answer :-

- She said that she had met her friend the previous day.

28) Choose the right tag:

Growing children need a lot of vitamins, _____?

1. are they
2. do they
3. won't they
4. don't they

Correct Answer :-

- don't they

29) Choose an appropriate modal for the given sentence:

There are so many good books. Which book _____ I buy?

1. cannot
2. might
3. shall
4. may

Correct Answer :-

- shall

30) Fill in the blank with the most appropriate preposition in the given sentence.

Tina travelled all _____ the world when she was young.

1. over
2. across
3. above
4. through

Correct Answer :-

- over

Topic:- Mathematics (MAT)

1) Write the cubic polynomial whose sum of zeros, sum of product of its zeros taken two at a time and product of zeroes respectively are 4, 1, and -6 : /

वह घन बहुपद बताएं, जिसके शून्यकों का योग, उसके शून्यकों के गुणनफल का योग एक बार में दो लिया गया और शून्यकों का गुणनफल क्रमशः 4, 1 और -6 है:

1. $x^3 + 4x^2 + x - 6$
2. $x^3 - 4x^2 + x + 6$
3. $x^3 + 4x^2 + x + 6$
4. $x^3 - 4x^2 + x - 6$

Correct Answer :-

- $x^3 - 4x^2 + x + 6$

**2) If $a > 0$ and $b < 0$, then the point $P(a,b)$ lies in: /
यदि $a > 0$ एवं $b < 0$ है, तो बिंदु $P(a,b)$ स्थित है:**

1. 2nd quadrant / द्वितीय चतुर्थांश
2. 4th quadrant / चतुर्थ चतुर्थांश
3. 3rd quadrant / तृतीय चतुर्थांश
4. 1st quadrant / प्रथम चतुर्थांश

Correct Answer :-

- 4th quadrant / चतुर्थ चतुर्थांश

3) A figure on a graph sheet covers 10 fully filled squares, 8 half-filled squares, 3 more than half filled squares and 6 less than half-filled squares. Find the total area. /

एक ग्राफ शीट पर एक आंकड़ा 10 वर्गों को पूर्ण रूप से, 8 वर्गों को आधा, 3 वर्गों को आधे से अधिक और 6 वर्गों को आधे से कम भरता है। कुल क्षेत्रफल ज्ञात करें।

1. $15\frac{1}{2}$ sq units / $15\frac{1}{2}$ वर्ग इकाई

2. 21 sq units / 21 वर्ग इकाई

3. 23 sq units / 23 वर्ग इकाई

4. 17 sq units / 17 वर्ग इकाई

Correct Answer :-

- 17 sq units / 17 वर्ग इकाई

4) If the CSA of a solid right circular cylinder of height 'h' and radius 'r' is one-third of its total surface area, then the correct formula is: /

यदि 'h' ऊँचाई तथा 'r' त्रिज्या वाले एक ठोस लंब वर्तुल बेलन का वक्र पृष्ठीय क्षेत्रफल इसके कुल पृष्ठीय क्षेत्रफल का एक-तिहाई है, तो इसका सही सूत्र है:

1. $h = \frac{1}{3}r$

2. $h = \frac{1}{4}r$

3. $2h = r$

4. $h = 2r$

Correct Answer :-

- $2h = r$

5) Four equal rectangles with length 'a' and breadth 'b' are joined to form a bigger rectangle. Denote the area of bigger rectangle as x. /

लंबाई 'a' और चौड़ाई 'b' वाले चार समान आयतों को एक बड़ा आयत बनाने के लिए मिलाया जाता है। x के रूप में बड़े आयत के क्षेत्रफल को दर्शाएं।

1. $x = 4ab$

2. $ab = 4x$

3. $x = 4a + 4b$

4. $x = 4 + ab$

Correct Answer :-

• $x = 4ab$

6) What are the additive identity, additive inverse and multiplicative identity of -1? /

-1 के योगात्मक तत्समक, योगात्मक प्रतिलोम और गुणात्मक तत्समक क्या हैं?

1. 0, 1, 1

2. 0, 1, -1

3. 0, -1, -1

4. 0, -1, 1

Correct Answer :-

• 0, 1, 1

7) What is the predecessor of 218010? /

218010 की पूर्ववर्ती संख्या कितनी है?

1. 228010

2. 218011

3. 218009

4. 218000

Correct Answer :-

• 218009

8) Which property can be used to solve this problem? Find the solution. /

इस प्रश्न को हल करने के लिए किस गुण का उपयोग किया जा सकता है? हल ज्ञात करें।

$98654.7 \times 726 + 98654.7 \times 274 = ?$

1. Associative; 98654700 / साहचर्य गुण; 98654700

2. Both associative and commutative; 98654700 / साहचर्य एवं क्रम-विनिमेय गुण दोनों ; 98654700

3. Distributive; 98654700 / वितरणात्मक गुण; 98654700

4. Commutative; 986547000 / क्रम-विनिमेय गुण; 986547000

Correct Answer :-

- Distributive; 98654700 / वितरणात्मक गुण; 98654700

9) A triangle and a parallelogram are on the same base and between the same parallels. The ratio of the area of triangle and parallelogram is _____ . /

एक त्रिभुज तथा समानांतर चतुर्भुज समान आधार पर तथा समान समानांतर रेखाओं के बीच स्थित हैं। त्रिभुज तथा समानांतर चतुर्भुज के क्षेत्रफल का अनुपात _____ है।

1. 1 : 3

2. 1 : 2

3. 2 : 3

4. 3 : 4

Correct Answer :-

- 1 : 2

10) For an equilateral ΔPQR , the vertices Q and R are $(-3,0)$ and $(3,0)$ respectively, then the 3rd vertex P is: /

एक समबाहु ΔPQR के लिए, शीर्ष Q एवं R क्रमशः $(-3,0)$ एवं $(3,0)$ हैं, तो तीसरा शीर्ष P है:

1. $(0,3\sqrt{3})$

2. $(0,9\sqrt{3})$

3. $(0,3)$

4. $(0,4)$

Correct Answer :-

- $(0,3\sqrt{3})$

11) If \bar{x} is the mean of n observations $x_1, x_2, x_3, \dots, x_n$, then $\sum_{i=1}^n (x_i - \bar{x}) = \underline{\hspace{2cm}}$ /

यदि n प्रेक्षणों $x_1, x_2, x_3, \dots, x_n$ का माध्य \bar{x} है, तो $\sum_{i=1}^n (x_i - \bar{x}) = \underline{\hspace{2cm}}$ ।

1. n

2. \bar{x}

3. 1

4. 0

Correct Answer :-

• 0

12) The polygon having interior angles $117^\circ, 63^\circ, 52^\circ, 128^\circ$ is: /

$117^\circ, 63^\circ, 52^\circ, 128^\circ$ आंतरिक कोण वाला बहुभुज है:

1. Concave / अवतल

2. Regular / सम

3. Convex / उत्तल

4. Convex and Regular / उत्तल और सम

Correct Answer :-

• Convex / उत्तल

13)

In $\triangle ABC$, D and E are points on AB and AC respectively such that $DE \parallel BC$, $AD = x$, $DB = x - 2$, $AE = x + 2$, and $EC = x - 1$, then $x = \underline{\hspace{2cm}}$ /

$\triangle ABC$ में, AB और AC पर क्रमशः D और E बिंदु इस प्रकार हैं कि $DE \parallel BC$, $AD = x$, $DB = x - 2$, $AE = x + 2$, तथा $EC = x - 1$ है, तो $x = \underline{\hspace{2cm}}$ ।

1. 1

2. 3

3. 0

4. 4

Correct Answer :-

- 4

14) One angle of a decagon is 90° and all the remaining nine angles are equal. Then the measure of the other angles is: /

एक दशभुज का एक कोण 90° और शेष सभी नौ कोण बराबर हैं, तो अन्य कोणों की माप है:

1. 150°
2. 120°
3. 95°
4. 115°

Correct Answer :-

- 150°

15) In ΔPQR , $PQ=3$ cm, $QR=4$ cm then which of the following is not the side of a triangle : /

ΔPQR में, $PQ=3$ सेमी, $QR=4$ सेमी है, तो निम्नलिखित में से कौन-सी त्रिभुज की भुजा नहीं है:

1. 7 cm / 7 सेमी
2. 3 cm / 3 सेमी
3. 2 cm / 2 सेमी
4. 5 cm / 5 सेमी

Correct Answer :-

- 7 cm / 7 सेमी

16) If $a+b=2ab$ then the value of $\frac{1}{a} + \frac{1}{b}$ is: /

यदि $a+b=2ab$ है, तो $\frac{1}{a} + \frac{1}{b}$ का मान है:

1. $\frac{1}{2}$

2. $\frac{1}{4}$

3. 2

4. 4

Correct Answer :-

- 2

17) Given $\triangle ABC \cong \triangle DEF$ and $\triangle ABC \not\cong \triangle FDE$ then which of the following is not true? /

$\triangle ABC \cong \triangle DEF$ और $\triangle ABC \not\cong \triangle FDE$ दिया गया है, तो निम्नलिखित में से कौन-सा सही नहीं है?

1. $CB=EF$
2. $BC=FE$
3. $AB=DF$
4. $AC=FD$

Correct Answer :-

- $AB=DF$

18) Find who spends second least on fencing from the given table.

Name	Shape of land	Length of one side
Abhi	Equilateral triangle	50 m
Sanal	square	70 m
Mohan	Regular pentagon	60 m
Suresh	Regular hexagon	30 m

दी गई तालिका से जात करें कि बाड़ लगाने पर दूसरा सबसे कम व्यय कौन करता है?

नाम	भूमि का आकार	एक भुजा की लंबाई
अभि	समबाहु त्रिभुज	50 मीटर
सनल	वर्ग	70 मीटर
मोहन	सम पंचभुज	60 मीटर
सुरेश	सम षटभुज	30 मीटर

1. Abhi / अभि
2. Suresh / सुरेश
3. Mohan / मोहन
4. Sanal / सनल

Correct Answer :-

- Suresh / सुरेश

19) In a triangle PQR, $\angle P=59^\circ$, $\angle Q=60^\circ$ and $\angle R=61^\circ$. The largest side of the triangle is: /

एक त्रिभुज PQR में, $\angle P=59^\circ$, $\angle Q=60^\circ$ और $\angle R=61^\circ$ है। त्रिभुज की सबसे बड़ी भुजा है:

1. $\angle P$
2. $\angle R$
3. PQ
4. QR

Correct Answer :-

- PQ

20) Find the 3rd zero of the polynomial $x^3+7x^2-2x-14$, if two of its zeroes are $-\sqrt{2}$ and $\sqrt{2}$. /

बहुपद $x^3+7x^2-2x-14$ का तीसरा शून्यक ज्ञात करें, यदि इसके दो शून्यक $-\sqrt{2}$ एवं $\sqrt{2}$ हैं।

1. -7
2. 3
3. 5
4. 7

Correct Answer :-

- -7

21)

If $x = -3$, $y = \frac{1}{5}$ is the solution of the equation $-2x + 5y = k$ then the value of 'k' is: /

यदि $x = -3$ एवं $y = \frac{1}{5}$ समीकरण $-2x + 5y = k$ के हल हैं, तो 'k' का मान है:

1. -7
2. -5
3. 7
4. 5

Correct Answer :-

- 7

22) Choose the digits from the options to fill the blank space of the following number so that the number formed is not divisible by 3:

___ 9745 /

निम्नलिखित संख्या के रिक्त स्थान को भरने के लिए विकल्पों में से अंकों का चयन करें जिससे कि बनने वाली संख्या 3 से विभाजित न हो:

___ 9745

1. 9 8 6
2. 8 7 5
3. 7 6 8
4. 3 9 2

Correct Answer :-

- 7 6 8

23) Choose a set of like terms from $9a^2b$, $4ab$, $4a$, $5ba^2$, $7b^2a$, $9b$, $3ab$, $4b$. /

$9a^2b$, $4ab$, $4a$, $5ba^2$, $7b^2a$, $9b$, $3ab$, $4b$ से सदृश पदों के एक समुच्चय का चयन करें।

1. $9a^2b$, $5ba^2$
2. $9a^2b$, $4ab$, $5ba^2$, $7b^2a$, $3ab$
3. $4ab$, $4a$, $4b$
4. $9a^2b$, $5ba^2$, $7b^2a$,

Correct Answer :-

- $9a^2b, 5ba^2$

24) ABCD is a parallelogram and E and F are the centroids of triangles ABD and BCD respectively. If AC=12 cm, then EF=?/

ABCD एक समानांतर चतुर्भुज है और E और F क्रमशः त्रिभुज ABD और BCD के केन्द्रक हैं। यदि AC = 12 सेमी है, तो EF =?

1. 2 cm / 2 सेमी
2. 6 cm / 6 सेमी
3. 4 cm / 4 सेमी
4. 8 cm / 8 सेमी

Correct Answer :-

- 4 cm / 4 सेमी

25) Ajay has a plot in the shape of a regular hexagon. He buys a plot that shares a side with one of the sides of the hexagon. The new plot is in shape of a square with area ' $4a^2$ ' m². Find the total cost of fencing land owned by Ajay at rate of Rs. 453/m? /

अजय के पास सम षटभुज आकार के भूमि का एक टुकड़ा है। वह एक अन्य भूमि का टुकड़ा खरीदता है जो सम षटभुज के किनारों में से किसी एक किनारे के साथ किनारा साझा करता है। नए भूमि का टुकड़ा वर्गाकार है जिसका क्षेत्रफल ' $4a^2$ ' मी² है। अजय के स्वामित्व वाली भूमि में 453 रुपये/मीटर के दर से बाड़ लगाने की कुल लागत ज्ञात करें।

1. Rs. 7248a / 7248a रुपये
2. Rs. 9060a / 9060a रुपये
3. Rs. 8607a / 8607a रुपये
4. Rs. 7482 / 7482 रुपये

Correct Answer :-

- Rs. 7248a / 7248a रुपये

26) _____ are logical consequences of the accepted axioms. /

_____ स्वीकृत सिद्धांतों के तार्किक परिणाम हैं।

1. Conjectures / अनुमान
2. Theorems / प्रमेय

3. Postulates / अभिधारणा

4. Corollaries / उपप्रमेय

Correct Answer :-

- Theorems / प्रमेय

27) The price of 12 plates and 8 glasses is Rs. 528. If price of one glass is Rs. 18, then what is the price of 6 plates? /

12 प्लेटों और 8 गिलासों का मूल्य 528 रुपये है। यदि एक गिलास का मूल्य 18 रुपये है, तो 6 प्लेटों का मूल्य कितना है?

1. Rs. 292 / 292 रुपये
2. Rs. 192 / 192 रुपये
3. Rs. 200 / 200 रुपये
4. Rs. 384 / 384 रुपये

Correct Answer :-

- Rs. 192 / 192 रुपये

28) The area of a circle that can be inscribed in a square of side 8 cm is ____ /

8 सेमी भुजा वाले एक वर्ग के अंतर्गत बने एक वृत्त का क्षेत्रफल ____ है।

1. 24π sq cm / 24π वर्ग सेमी
2. 16π sq cm / 16π वर्ग सेमी
3. 36π sq cm / 36π वर्ग सेमी
4. 6π sq cm / 6π वर्ग सेमी

Correct Answer :-

- 16π sq cm / 16π वर्ग सेमी

29) The word 'Jiva'- half-chord from Aryabhatiyam translated into Arabic also means ____ . /

आर्यभट्टम से शब्द 'जीवा' – हॉफ़ कार्ड को अरबी में अनुवादित करने पर इसका अर्थ ____ भी होगा।

1. Tan / स्पज्या (टैन)
2. Secant / सेकन्ट
3. Cos / कोज्या (कॉस)
4. Sinus / ज्या (साइनस)

Correct Answer :-

- Sinus / ज्या (साइनस)

30) The ratio between any two adjacent Fibonacci numbers (after 3) is about 1:1.6. This ratio is called as _____ . /

किसी भी दो आसन्न फिबोनैकी संख्याओं (3 के बाद) के बीच का अनुपात, लगभग 1: 1.6 है। इस अनुपात को _____ कहा जाता है।

1. Golden ratio / गोल्डन रेशियो
2. Fibonacci sequence / फिबोनैकी अनुक्रम
3. Golden triangle / गोल्डन त्रिभुज
4. Liber Abaci / लिबर अबेसी

Correct Answer :-

- Golden ratio / गोल्डन रेशियो

31) The distance between the points $(8, -2)$ and $(3, -6)$ is _____./

बिन्दु $(8, -2)$ तथा $(3, -6)$ के बीच की दूरी _____ है।

1. $\sqrt{40}$ units / $\sqrt{40}$ इकाई
2. $\sqrt{41}$ units / $\sqrt{41}$ इकाई
3. $\sqrt{31}$ units / $\sqrt{31}$ इकाई
4. $\sqrt{46}$ units / $\sqrt{46}$ इकाई

Correct Answer :-

- $\sqrt{41}$ units / $\sqrt{41}$ इकाई

32) The graphic representation of the equations $3x + 2y = 5$ & $9x + 6y = 6$ gives a pair of: /

समीकरण $3x + 2y = 5$ एवं $9x + 6y = 6$ के आलेखी निरूपण युग्म देते हैं:

1. Intersecting lines / प्रतिच्छेदी रेखाएं
2. Perpendicular lines / लंबवत रेखाएँ
3. Coincident lines / संपाती रेखाएँ
4. Parallel lines / समानांतर रेखाएं

Correct Answer :-

- Parallel lines / समानांतर रेखाएं

33) The ordinate of all points on y-axis is:/

y-अक्ष पर सभी बिन्दुओं के कोटि अंक है:

1. Any number / कोई संख्या
2. 0
3. 2
4. 1

Correct Answer :-

- Any number / कोई संख्या

34) Perimeter of rectangle with length 76 meter and breadth 48 meter: /

76 मीटर लंबी और 48 मीटर चौड़ी एक आयत का परिमाण है:

1. 240 मीटर
2. 124 मीटर
3. 248 मीटर
4. 126 मीटर

Correct Answer :-

- 248 मीटर

35) The number of times a particular item occurs in a given data is called its _____ . /

दिए गए आंकड़ा में एक विशेष पद के प्राप्त होने वाली संख्या को इसका _____ कहा जाता है।

1. cumulative frequency / संचयी बारंबारता
2. variation / भिन्नता
3. frequency / बारंबारता
4. class size / वर्ग अंतराल

Correct Answer :-

- frequency / बारंबारता

36) The following sizes of shoes were sold in a day. Calculate the mode.

5, 8, 9, 5, 6, 4, 9, 3, 9, 3, 6, 1, 9, 7, 1, 2, 9 and 5

निम्नलिखित आकार के जूते एक दिन में बेचे गए। बहुलक की गणना करें।

5, 8, 9, 5, 6, 4, 9, 3, 9, 3, 6, 1, 9, 7, 1, 2, 9 एवं 5

1. 3
2. 6
3. 5
4. 9

Correct Answer :-

- 9

37) A circle has two parallel chords of lengths 6 cm and 8 cm .If the chords are 1cm apart and the centre is on the same side of the chords, and then find the length of diameter of the circle. /

एक वृत्त में 6 सेमी और 8 सेमी लंबाई की दो समानांतर जीवा हैं। यदि जीवा 1 सेमी दूर है और केंद्र जीवा के तरफ है, तो वृत्त के व्यास की लंबाई ज्ञात करें।

1. 12 cm / 12 सेमी
2. 10 cm / 10 सेमी
3. 5 cm / 5 सेमी
4. 6 cm / 6 सेमी

Correct Answer :-

- 10 cm / 10 सेमी

38) Choose the number not divisible by 3. /

3 से विभाजित नहीं होने वाली संख्या का चयन करें।

1. 67890
2. 453627
3. 99999
4. 75286

Correct Answer :-

- 75286

39) Find the additive inverse of integer 97. /

पूर्णांक 97 का योगात्मक प्रतिलोम ज्ञात करें।

1. 79
2. 97
3. -97
4. -79

Correct Answer :-

- -97

40) Find the cost of fencing an equilateral triangle of side 64 m at the rate of Rs. 9 per metre. /

64 मीटर भुजाओं वाले एक समबाहु त्रिभुज में 9 रुपये की दर से बाड़ लगाने की लागत ज्ञात करें।

1. Rs. 1728 / 1728 रुपये
2. Rs. 2880 / 2880 रुपये
3. Rs. 1862 / 1862 रुपये
4. Rs. 1674 / 1674 रुपये

Correct Answer :-

- Rs. 1728 / 1728 रुपये

41) Behavioral objectives are also known as _____ . /

व्यवहारिक उद्देश्यों को _____ के रूप में भी जाना जाता है।

1. Developmental objectives / विकासात्मक उद्देश्य
2. Specific objectives / विशिष्ट उद्देश्य
3. Mastery objectives / दक्षतापूर्ण उद्देश्य
4. Performance objectives / प्रदर्शन उद्देश्य

Correct Answer :-

- Performance objectives / प्रदर्शन उद्देश्य

42) Reliability of a test means _____ . /

एक परीक्षा की विश्वसनीयता का अर्थ है _____

1. Accuracy of test scores / परीक्षा अंकों की परिशुद्धता
2. Development of test scores / परीक्षा अंकों का विकास
3. Consistency of test scores / परीक्षा अंकों की संगतता
4. Rating of test scores / परीक्षा अंकों की रेटिंग

Correct Answer :-

- Consistency of test scores / परीक्षा अंकों की संगतता

43) Choose the expression which shows the distributive property of whole number. /

पूर्ण संख्या के वितरणात्मक गुण दर्शाने वाली व्यंजक का चयन करें।

1. $441 \times (352 \times 568) = (441 \times 352) \times 568$
2. $241(367+543) = 241 \times 367 + 543 \times 241$
3. $831+511 = 511+831$
4. $198+158+217 = 158+217+198$

Correct Answer :-

- $241(367+543) = 241 \times 367 + 543 \times 241$

44) _____ is the creator of logarithm. /

_____ लघुगणक के निर्माता है।

1. Cantor / कैंटर

2. John Napier / जॉन नेपियर
3. Newton / न्यूटन
4. Sylvester / सिलवेस्टर

Correct Answer :-

- John Napier / जॉन नेपियर

45) 'Folk algorithms' of mentally performing number operations, also for measurement, estimation, understanding of shapes and aesthetics prevailed in the _____. /

मानसिक रूप से क्रियाशील अंक संक्रिया का 'फोक एल्गोरिदम', जो कि मापन, अनुमान, आकृतियों और रुचिपूर्ण समझ के लिए भी है, _____ में प्रचलित है।

1. Formal Education/औपचारिक शिक्षा
2. Universities / विश्वविद्यालय
3. Villages / गांव
4. Schools / विद्यालय

Correct Answer :-

- Villages / गांव

46) 'Bija Ganita' and 'Siddhanta Siromani' are the two important works of _____. /

'बीज गणित' और 'सिद्धान्त शिरोमणि' _____ के दो महत्वपूर्ण कार्य हैं।

1. Bhaskara-2 / भास्कर-2
2. Narayana panditha / नारायण पंडित
3. Varahamihira / वराहमिहिर
4. Mahavira / महावीर

Correct Answer :-

- Bhaskara-2 / भास्कर-2

47) The classification of Audio-Visual aids was done by _____. /

श्रव्य-दृश्य (ऑडियो-विजुअल) सहायकों का वर्गीकरण _____ द्वारा किया गया था।

1. Krathwohl / क्रथ्वोल
2. Edgar Dale / एडगर डेल

3. Bloom / ब्लूम

4. Anderson / एंडरसन

Correct Answer :-

- Edgar Dale / एडगर डेल

48) The main logical tool used in establishing the truth of an unambiguous statement is _____. /

स्पष्ट कथन की सच्चाई को स्थापित करने में प्रयुक्त मुख्य तार्किक साधन _____ है।

1. Deductive reasoning / निगमनात्मक तर्क

2. Axiomatic reasoning / स्वयंसिद्ध तर्क

3. Logical reasoning / तार्किक तर्क

4. Inductive reasoning / आगमनात्मक तर्क

Correct Answer :-

- Deductive reasoning / निगमनात्मक तर्क

49) If the co-ordinate of a point is (2, -3), then which quadrant it belongs to? /

यदि एक बिंदु का निर्देशांक (2, -3) है, तो यह किस चतुर्थांश से संबंधित है?

1. I quadrant / I चतुर्थांश

2. IV quadrant / IV चतुर्थांश

3. II quadrant / II चतुर्थांश

4. III quadrant / III चतुर्थांश

Correct Answer :-

- IV quadrant / IV चतुर्थांश

50) Number of tickets sold for 5 football matches are 20378, 19872, 20417, 32473 and 23473. Which number is closest to 20000? /

5 फुटबॉल मैचों के लिए बेचे गए टिकटों की संख्या- 20378, 19872, 20417, 32473 और 23473 हैं। कौन-सी संख्या 20000 के निकटतम है?

1. 20417

2. 19872

3. 32473

4. 20378

Correct Answer :-

- 19872

51) A car takes 2 hours to reach a destination by travelling at 60 km/hour. How long will it take while travelling at 90 km/hour. /

एक कार को 60 किमी/घंटा की गति से यात्रा करते हुए गंतव्य स्थान तक पहुंचने में 2 घंटे लगते हैं। 90 किमी/घंटा की गति से यात्रा करते हुए इसे कितना समय लगेगा।

1. 1 hour 20 minutes / 1 घंटा 20 मिनट
2. 2 hours 40 minutes / 2 घंटा 40 मिनट
3. 2 hours / 2 घंटे
4. 1 hour 30 minutes / 1 घंटा 30 मिनट

Correct Answer :-

- 1 hour 20 minutes / 1 घंटा 20 मिनट

52) The circumference of a playground is 44 cm. A circular track of width 4 cm lay outside around it. The area of the circular track is: / एक खेल के मैदान की परिधि 44 सेमी है। इसके चारों ओर बाहर से 4 सेमी की चौड़ाई वाला एक वृत्तीय पथ है। वृत्तीय पथ का क्षेत्रफल है:

1. 72π
2. 43π
3. 25π
4. 26π

Correct Answer :-

- 72π

53) If the difference between the numbers obtained on dividing a positive number x by 5 and by 3 is 1. Then: /

यदि एक धनात्मक संख्या x को 5 और 3 से विभाजित करने पर प्राप्त संख्याओं के बीच का अंतर 1 है, तो:

1. $\frac{x}{3} = 1 - \frac{x}{5}$

2. $\frac{x}{3} - \frac{x}{5} = 1$

3. $\frac{x}{5} - \frac{x}{3} = 1$

4. $\frac{x}{3} = \frac{x}{5} - 1$

Correct Answer :-

• $\frac{x}{3} - \frac{x}{5} = 1$

54) CANCELLED

0, 1, 1, 2, 5, 8, 13, 21, 34, 55... and so on is a sequence named after the mathematician _____.

0, 1, 1, 2, 5, 8, 13, 21, 34, 55... और इसी तरह आगे, एक अनुक्रम है जो गणितज्ञ _____ के नाम पर है।

1. Euclid / यूक्लिड
2. Thales / थेल्स
3. Fibonacci / फाइबोनैचि
4. Pythagoras / पाइथागोरस

Correct Answer :-

- Fibonacci / फाइबोनैचि

55) CANCELLED

If $3x + 3x + \dots + 100$ times = 150, then $x =$ /

यदि $3x + 3x + \dots + 100$ गुना = 150 है, तो $x =$

1. $\frac{1}{2}$

2. $\frac{1}{3}$

3. 1

4. 2

Correct Answer :-

• $\frac{1}{2}$

56) Siya attended a mathematical ability test where (+3) marks are given for every correct answer, (-2) marks are given for every incorrect answer and (-1) mark for every unattended question. Siya scored 80 marks though she got 34 correct answers and left 10 questions. What was the total number of questions for the test? /

सिया ने एक गणितीय क्षमता परीक्षण में भाग लिया जहाँ प्रत्येक सही उत्तर के लिए (+3) अंक दिए जाते हैं, प्रत्येक गलत उत्तर के लिए (-2) अंक दिए जाते हैं और प्रत्येक प्रश्न अनुत्तरित प्रश्न के लिए (-1) है। सिया ने 80 अंक प्राप्त किए, हालांकि उसने 34 सही उत्तर दिए और 10 प्रश्न बिना हल किए छोड़ दिए। परीक्षा में प्रश्नों की कुल संख्या कितनी थी?

1. 48 questions / 48 प्रश्न

2. 50 questions / 50 प्रश्न

3. 75 questions / 75 प्रश्न

4. 60 questions / 60 प्रश्न

Correct Answer :-

• 50 questions / 50 प्रश्न

57) Continuous evaluation is meant to emphasize on _____ . /

सतत मूल्यांकन _____ पर जोर देने के लिए होता है।

1. retesting and feedback of evidence to teachers and students only / केवल शिक्षकों और छात्रों के लिए साक्ष्य का पुनःपरीक्षण और प्रतिक्रिया

2. diagnosis of learning gaps, use of corrective measures only / केवल अधिगम अंतरालों का निदान, सुधारात्मक उपायों का उपयोग

3. all of the above / उपरोक्त सभी

4. regulation of assessment in total teaching-learning purpose only / केवल संपूर्ण शिक्षण-अधिगम में मूल्यांकन का विनियमन

Correct Answer :-

- all of the above / उपरोक्त सभी

58) An Autocratic style of teaching is also known as _____ . /

शिक्षण की एक निरंकुश (ऑटोक्रैटिक) शैली को _____ के रूप में भी जाना जाता है।

1. Informal style / अनौपचारिक शैली
2. Integrative style / एकीकृत शैली
3. Student-centered style / छात्र-केन्द्रित शैली
4. Teacher-centered style / शिक्षक-केन्द्रित शैली

Correct Answer :-

- Teacher-centered style / शिक्षक-केन्द्रित शैली

59) Negative Reinforcement precedes the response and _____ succeeds the response. /

नकारात्मक पुनर्बलन प्रतिक्रिया से पहले होता है और _____ प्रतिक्रिया के पश्चात होता है।

1. punisher / दंड दाता (दंड देने वाला)
2. prover / सिद्ध करने वाला
3. prediction / पूर्वकथन
4. investigator / अन्वेषक (जांच करने वाला)

Correct Answer :-

- punisher / दंड दाता (दंड देने वाला)

60) p:5+4 = 9(T)

q:5x(-12)<-100(f)

The truthfulness or the falsity of statements we use in daily life is called its _____ .

/ p:5+4 = 9(T)

q:5x(-12)<-100(f)

दैनिक जीवन में हमारे द्वारा उपयोग किए जाने वाले कथन की सत्यता या असत्यता को _____ कहा जाता है।

1. truth value / सत्य मान
2. conjunction / संयोजन
3. connectiveness / संयोजकता (कनेक्टिवनेस)

4. falsity / असत्यता

Correct Answer :-

- truth value / सत्य मान