

PLACID VIDYA VIHAR SR. SEC. SCHOOL

CHETHIPUZHA

FORMATIVE ASSESSMENT 3 - 2015-16

STD: VIII Time: 1 hr.

Max. Marks: 25

SECTION – A. (READING) (5 Marks)

I. Read the passage given below:-

MONSOON

What causes the monsoon? The monsoon, which is essentially the seasonal reversal in wind direction, causes most of the rainfall received in India and some other parts of the world. The primary cause of monsoon is the difference between annual temperature trends over land and sea. The apparent position of the Sun with reference to the Earth oscillates from the Tropic of Cancer to the Tropic of Capricorn . Thus the low pressure region created by solar heating also changes latitude. The northeast and southeast tradewinds converge in this low pressure zone , which is also known as the Intertropical Convergence Zone or ITCZ. This low pressure region sees continuous rise of moist wind from the sea surface to the upper layers of the atmosphere , where the cooling means the air can no longer hold so much moisture resulting in precipitation. The rainy seasons of East Asia , sub-Saharan Africa , Australia and the southern part of North America coincide with the shift of ITCZ towards these regions.

1.1. On the basis of your reading of the above passage, complete the following statements by choosing the correct option from those given below: (1×5=5)

- a) Monsoon is
 - i) A type of sea wave.
 - ii) A seasonal reversal in wind direction.
 - iii) Very hot wind.
- b) The full form of ITCZ is
 - i) Intertrance Convergence Zone.
 - ii) Intertropical Convergence Zone.
 - iii) Intertropical Conveyance Zone.
- c) The major cause of monsoon is the
 - i) Moisture in the atmosphere
 - ii) Difference between annual temperature trends over land and sea.
 - iii) Difference between day and night temperature.
- d) Low pressure region is created by
 - i) Solar heating.
 - ii) Lunar cooling.
 - iii) Moist wind.
- e) The word in the passage that means opposite to 'unclear' is _____

SECTION – B. (WRITING AND GRAMMAR) (12 marks)

2. You are Abhaya/Abhay, the Sports Captain of Placid Vidya Vihar. Draft a notice in 50 words for the school notice board informing the students about the inter school basket ball match to be played. (5)
3. Choose the most appropriate option from the ones given below to complete the following passage. (1½)
- Neena has returned (a) _____ the U.K and has decided to help her father (b) _____ his business. The father is proud (c) _____ his daughter.
- (a) (i) from (ii) to (iii) with (iv) it
(b) (i) at (ii) in (iii) on (iv) of
(c) (i) to (ii) of (iii) with (iv) off
4. Read the conversation given below and complete the paragraph that follow. (1½)
- Mother: Why has Ravi taken my bag?
Anuj : Ravi was in a hurry to go to the market.
Mother: Why did he go to the market?
The mother asked Anuj (a) _____. Anuj replied (b) _____.
The mother asked (c) _____.
5. Rewrite the following sentences in indirect speech: (4)
- a) You said, “We finished all our work in time.”
b) The Principal will say, “Rules have to be followed at any cost.”
c) Radhika says, “The sky is overcast with thick dark clouds.”
d) I said to the shopkeeper, “The eggs you gave me yesterday turned out to be rotten.”

SECTION – C (LITERATURE) (8 marks)

6. Read the given extract and answer the questions that follow. (1×4=4)
- Macavity’s a Mystery cat: he’s called the Hidden Paw-
For he’s the master criminal who can defy the law.
He’s the bafflement of Scotland Yard, the Flying Squad’s despair:
For when they reach the scene of crime-Macavity’s not there!
- a) What is the other name of the Mystery cat?
b) Why the Scotland Yard is in bafflement?
c) Who reaches the crime scene and who is not found?
d) Name the poem and the poet.
7. Answer the following questions. (2×2=4)
- a) In the chapter ‘The Kidnapping Of Clarissa Montgomery’ how did Clarissa prove that she was cleverer and more intelligent than the kidnappers? Which one of the kidnappers was kind to Clarissa?
b) In the chapter ‘Wedding In Russia’, what explanation does the old Russian give the author regarding the Russian bridegrooms wearing service uniforms for their wedding?

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BASIC SCIENCE

Physics

- I. Name the following. [$\frac{1}{2} \times 4 = 2$]
1. The charge attained by a silk cloth when rubbed with a glass rod.
 2. Device used to protect buildings from the effect of lightning.
 3. The process of transfer of charge from a charged body to earth.
 4. Instrument used to measure the destructive energy of an earthquake.
- II. Answer the following.
5. What are seismic waves? Mention any two seismic zones in India. [1]
 6. Explain the process of lightning. [2]
 7. Describe the working of an instrument, which can be used to detect a charged body, with the help of a diagram. [3]

Chemistry

- I. Fill in the blanks. [$\frac{1}{2} \times 4 = 2$]
1. Increased concentration of carbon dioxide in atmosphere leads to _____ .
 2. Fuel must be heated to its _____ before it starts burning.
 3. Incomplete burning of fuels produces _____ gas.
 4. Amount of heat produced on complete combustion of 1 kg of fuel is called _____ .
- II. Answer the following.
5. What is the difference between the burning of a candle and the burning of charcoal? [1]
 6. When water is poured on fire, which condition of combustion is not fulfilled? And why it is not used to control oil fire? [2]
 7. Give reason.
 - a) Paper cup containing water not catch fire on heating.
 - b) LPG is better domestic fuel than wood.
 - c) Outer most zone of a flame appears blue. [3]

Biology

- I. Name the following. [$\frac{1}{2} \times 4 = 2$]
1. The scientist who discovered cells.
 2. The green coloured plastid present in the cytoplasm of plant cells.
 3. The unit of inheritance in living organisms.
 4. The stage of the embryo in which all body parts can be identified.
- II. Write short notes. [1×2=2]
5. Metamorphosis
 6. Nucleus of a cell
- III. Distinguish the following. [1×2=2]
7. Prokaryotes and Eukaryotes
 8. Viviparous animals and Oviparous animals
- IV. Answer the following. [1½×2=3]
9. Plant cells need cell wall, whereas animal cells do not need a cell wall. Give reason.
 10. Define asexual reproduction. Describe two methods of asexual reproduction.

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SOCIAL SCIENCE

General Instructions.

- a) *There are 11 questions in all.*
- b) *Questions from serial number 1 to 5 are questions of 1 mark each.*
- c) *Answers of 3 marks questions should not exceed 80 words each.*
- d) *Answer of 5 marks question should not exceed 120 words.*

1. What do you mean by domestic violence? (1)
2. Give the ultimate aim of agricultural development. (1)
3. Mention the inputs of farming. (1)
4. Point out the idea of Sedition Act of 1870. (1)
5. What do you mean by arable land? (1)
6. How did the development of cotton industries in Britain affect textile producers in India? (3)
7. Write a short note on subsistence farming. (3)
8. How do the views of Tagore and Mahatma Gandhi differ on education? (3)
9. Name the fibre crops and their climatic requirements. (3)
10. What do you understand by the term 'rule of law'? (3)
11. Briefly describe the report of William Adam on the progress of education in vernacular schools. (5)

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MATHEMATICS

I. Questions 1 - 5 carry 1 mark each.

(5×1=5)

1. Find the volume of a rectangular box with length $2xy^2$, breadth $2x^2y$ and height xy .
2. 72% of 25 students are good in Mathematics. How many are not good in Mathematics?
3. Find the product of (x^2+5) and (x^2-5) using identity.
4. If $\frac{7}{3}\%$ of a number is 84, find the number.
5. Subtract $3p^2 - 6pq$ from $3p(p+2q)$

II. Questions 6 - 10 carry 2 marks each.

(5×2=10)

6. The population of a town increases 5% annually. If the present population is 94,500, find its population a year ago.
7. Simplify $4a^2+(3a-b)(3a+b+b^2)$
8. A dealer offers 20% discount on an article with a marked price Rs. 450. How much should a buyer pay for it?
9. Find the sum of $(4x+5y)^2$ and $(4x-5y)^2$.
10. A T.V is available for Rs 13,915 including sales tax. If the rate of sales tax is 10% find the price of the T.V without tax.

III. Questions 11 & 12 carry 3 marks each.

(2×3=6)

11. Using suitable identity evaluate $(99.5)^2$
12. Find the product of $(2x-3y)(2x+3y)(4x^2+9y^2)$

IV. Question 13 carries 4 marks.

(4)

13. Find the difference between the compound interest and the simple interest on Rs 12000 at 9% per annum for 2 years, the compound interest is payable annually.

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MALAYALAM

- I. ബ്രായ്ക്കറ്റിൽ നിന്നും ശരിയായ ഉത്തരം തിരഞ്ഞെടുത്തെഴുതുക. (½×4=2)
- ഉള്ളൂരിന്റെ മഹാകാവ്യം ഏത്?
(പിംഗള, കർണഭൂഷണം, ഉമാകേരളം)
 - ഭാവനയിൽ നിന്നു രൂപം കൊടുക്കുന്നതും സ്വാതന്ത്ര്യം ഒട്ടുമില്ലാത്തതുമായ സാഹിത്യവിഭാഗം ഏത്?
(ജീവചരിത്ര നോവൽ, കഥ, നാടകം)
 - “താപസമന്ത്രത്തിൻ തത്ത്വപരീക്ഷയാം
പാപത്തിൽ പെട്ടുപോയ് പ ു കുന്തി” - ഇവിടെ സൂചിപ്പിക്കുന്ന താപസൻ ആര്?
(നാരദൻ, വിശ്വാമിത്രൻ, ദുർവാസാവ്)
 - ദസ്തയേവ്സ്കിയുടെതല്ലാത്ത കൃതി ഏത്?
(യുദ്ധവും സമാധാനവും, കുറ്റവും ശിക്ഷയും, ചുതുകളിക്കാരൻ)
- II. അർത്ഥം എഴുതുക. (½×2=1)
- ഗഹനമായ
 - പാസ്ഡരം
- III. പര്യായപദം എഴുതുക. (1×2=2)
- അടുക്കള
 - കീർത്തി
- IV. നാനാർത്ഥം എഴുതുക. (1×2=2)
- മട്ട്
 - മൂലം
- V. അർത്ഥവ്യത്യാസം എഴുതുക. (1)
- വൈരം - വൈരി
- VI. പിരിച്ചെഴുതി സന്ധി നിർണ്ണയിക്കുക. (½×4=2)
- അതവിടെ
 - പാലാഴിപ്പെട്ടതൽ
 - ഭംഗിയുള്ള
 - പാരിജാതത്തെ
- VII. വിഗ്രഹിച്ചു സമാസം നിർണ്ണയിക്കുക. (½×4=2)
- അത്ഭുതാദരങ്ങൾ
 - താപസമന്ത്രം
 - സുതകുലം
 - രത്നാകരം
- VIII. വാക്യത്തിൽ പ്രയോഗിക്കുക. (1)
- ഹൃദയസ്പൃക്ക്
- IX. പ്രയോഗം മാറ്റുക. (½×2=1)
- രാധ കർണനെ എടുത്തു വളർത്തി
 - ചെറുശ്ശേരി കുഷ്ണഗാഥ രചിച്ചു
- X. പാഠപുസ്തകത്തിലേതുപോലെ പൂരിപ്പിക്കുക. (3)
- “ആരോമൽ
- പെറ്റിടുന്നു?” (6 വരി)
- XI. നാലോ അഞ്ചോ വാക്യത്തിലുത്തരമെഴുതുക. (1½×4=6)
- തന്റെ വരവ് വ്യർഥമായിപ്പോയെന്ന് അന്നയ്ക്ക് തോന്നാൻ കാരണമെന്ത്?
 - കുന്തിദേവി കർണനെ ഉപേക്ഷിക്കാൻ കാരണമെന്ത്?
 - അന്ന ക ദസ്തയേവ്സ്കിയുടെ രൂപം എങ്ങനെയായിരുന്നു?
 - “ഞാനിപ്പോൾ ഒരു വിഷമസന്ധിയിലാണ്.” - ആർ ആരോട് പറഞ്ഞ വാക്കുകളാണിത്? എന്താണ് വിഷമ സന്ധി?
- XII. സന്ദർഭവും ആശയവും വ്യക്തമാക്കി അലങ്കാരം നിർണ്ണയിക്കുക. (2)
- “വെൺനൂരവൈരക്കൽക്കാപ്പണിഞ്ഞീടിന
തന്നലക്കൈകളാൽ താങ്ങിത്താങ്ങി”

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HINDI

- I. अर्थ लिखिए 1
क) किरदार ख) दुपटी
- II. एक शब्द लिखिए 1
क) पाँव की चमड़ी का फटना ख) जिसे लोग चाहते हो
- III. विलोम शब्द लिखिए 1
क) लौकिक ख) सजीव
- IV. दो-दो अनेकार्थी शब्द लिखिए 1
फल
- V. दो-दो पर्यायवाची शब्द लिखिए 1
गंगा
- VI. निम्नलिखित लोकोक्ति का अर्थ लिखिए 1
थोथा चना बाजे घना
- VII. 'स' उपसर्ग से बननेवाले दो शब्द लिखिए। 1
- VIII. हिन्दी अक्षरों में लिखिए 1½
क) 59 ख) 64 ग) 75
- IX. उचित कारकीय रूप कोष्ठक से चुनकर वाक्य की पूर्ति कीजिए 2
(में, ने, का, पर)
क) एक आदमी को सोने ----- बहुत लालच था।
ख) वह भागता हुआ उस दुकान ----- घुसा।
ग) नौकरानी ----- खाना पकाया।
घ) उसने बकरी को पटरी ----- लेटे हुए देखा।
- X. निम्नलिखित मुहावरे का अर्थ कोष्ठक से चुनकर लिखिए 2
(डरकर भाग जाना, पास न आने देना, मर जाना)
क) दम तोड़ना ख) दुम दबाकर भागना
- XI. पद्य की पूर्ति कीजिए 4
सीस पगा
..... नाम सुदामा।।
- XII. निम्नलिखित प्रश्नों के उत्तर लिखिए
- क) 'सुदामा चरित' कविता के कवि कौन हैं? 1
- ख) 'चोरी की बान में हौ जू प्रवीने' - उपर्युक्त पंक्ति कौन, किससे कह रहा है? 1
- ग) सुदामा की दीन दशा देखकर श्रीकृष्ण की क्या मनोदशा हुई? 1½
- घ) पहला बोलता सिनेमा बनाने के लिए फिल्मकार अर्देशिर एम ईरानी को प्रेरणा कहाँ से मिली? उन्होंने आलम आरा फिल्म के लिए आधार कहाँ से लिया? 2½
- ङ) पहली सवाक् फिल्म के निर्माता निर्देशक अर्देशिर को जब सम्मानित किया गया तब सम्मानकर्ताओं ने उनके लिए क्या कहा था? और इस प्रसंग में लेखक ने क्या टिप्पणी की है? 2½