



DELHI PUBLIC SCHOOL GAYA

(Under the aegis of the Delhi Public School Society, New Delhi)
Affiliated to C.B.S.E, New Delhi Affiliation No.330530, School Code – 65572

DURGA PUJA HOLIDAY ASSIGNMENT CLASS-XI (ACADEMIC SESSION: 2024-25)

Are you looking for some interesting fun learning assignment to make your learning session interesting and engaging? Here in this assignment, you will find some very interesting and engaging tasks that will be fun solving.

ENGLISH CORE (301)

- The play 'Mother's Day' ends on a happy note with the family gathering for a card game of rummy and the children affirming that they would prepare the night's dinner.
Add another scene, where George, Cyril and Doris discuss the odd behavior of Mrs. Pearson the entire evening, suggesting that Mrs. Fitzgerald might have a role to play in the whole episode. (Remember, Mrs. Pearson will not be present in this scene)
- 'But the particulars of his (Tutankhamen's) passing away and its aftermath are not clear'.
Research on the internet and find out the theories that decades of research and high-tech forensics have come up with regarding the cause/causes of Tutankhamen's untimely death.

Note:

- The assignment must contain a title page (English Durga Puja Vacation Assignment) with your name, class and section.*
- Each assignment must be done on a separate sheet and finally both the assignments must be put in a file and submitted on the day of reopening.*

MATHEMATICS (041)

- There are 4 routes between Delhi and Patna. In how many different ways can a man go from Delhi to Patna and return, if for returning?
 - any of the routes is taken;
 - the same route is taken;
 - The same route is not taken?
- How many words (with or without meaning) of three distinct letters of the English alphabet are there?
- How many different signals can be given by using any number of flags from 4 flags of different colors?
- How many different signals can be given by using any number of flags from 4 flags of different colors?
- In how many ways can a party of 4 men and 4 women be seated at a circular table so that no two women are adjacent?
- A committee of 5 is to be formed out of 6 men and 4 ladies. In how many ways can this be done, when
 - at least 2 ladies are included;
 - at most 2 ladies are included?
- Expand $(1 + x + x^2)^4$ using binomial expansion
- Write down the binomial expansion of $(1 + x)^{(n+1)}$ when $x = 8$. Deduce that $(9^{n+1} - 8n - 9)$ is divisible by 64, where n is a positive integer.

9. The second, third and fourth terms in the binomial expansion of $(x + a)^n$ are 240, 720 and 1080 respectively. Find x , a and n .
10. Using binomial theorem, find the value of $(0.99)^{15}$ up to four places of decimal

BIOLOGY (044)

A. Objective Questions (MCQs/Short Answer)

1. Which of the following is the smallest cell?
- (a) Bacteria (b) Mycoplasma
(c) Red Blood Cell (d) Yeast
2. Who discovered the cell?
- (a) Robert Hooke (b) Schleiden
(c) Schwann (d) Rudolf Virchow
3. Which of the following is not a part of the endomembrane system?
- (a) Endoplasmic reticulum (b) Mitochondria
(c) Golgi complex (d) Lysosomes
4. What is the role of lysosomes?
- (a) Protein synthesis (b) ATP production
(c) Intracellular digestion (d) DNA replication
5. The double membrane-bound organelle that contains its own DNA and ribosomes is:
- (a) Lysosome (b) Golgi body
(c) Mitochondria (d) Endoplasmic reticulum
6. Which structure is responsible for protein synthesis in the cell?
- (a) Golgi apparatus (b) Ribosomes
(c) Mitochondria (d) Peroxisomes
7. In which cell organelle does photosynthesis occur?
- (a) Mitochondria (b) Chloroplast
(c) Golgi apparatus (d) Endoplasmic reticulum
8. The fluid mosaic model of the plasma membrane was proposed by:
- (a) Singer and Nicolson (b) Watson and Crick
(c) Schleiden and Schwann (d) Robert Brown
9. What is the primary component of plant cell walls?
- (a) Cellulose (b) Chitin
(c) Glycogen (d) Starch
10. Plasmodesmata are:
- (a) Connections between adjacent animal cells
(b) Channels between plant cells for exchange of substances
(c) Part of the nuclear membrane
(d) Found in the mitochondria

B. Descriptive Questions.

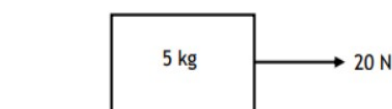
1. Explain the structure and function of the plasma membrane.
Hint: Discuss the fluid mosaic model, composition (lipid bilayer, proteins), and functions like selective permeability, transport, and communication.
2. Describe the structure of mitochondria and its role in cellular respiration.

- Hint: Include details about the outer and inner membranes, cristae, matrix, and explain its role in the production of ATP through oxidative phosphorylation.
- Differentiate between prokaryotic and eukaryotic cells.
Hint: Give at least five points of difference, such as nuclear membrane, size, organelles, ribosome size, and examples.
 - What are the different types of endoplasmic reticulum and their functions?
Hint: Differentiate between smooth and rough ER, and describe their roles in protein and lipid synthesis.
 - Describe the structure and function of the Golgi apparatus.
Hint: Explain its role in modifying, sorting, and packaging proteins and lipids for secretion or delivery to other organelles.
 - Write an essay on the endomembrane system of eukaryotic cells.
Hint: Discuss the roles of the ER, Golgi apparatus, lysosomes, and vesicles in the synthesis and transport of proteins and lipids.
 - What are lysosomes? Explain their role in the cell.
Hint: Define lysosomes, their formation, structure, and function, particularly in intracellular digestion and autophagy.
 - Discuss the functions of the cytoskeleton.
Hint: Explain the roles of microtubules, microfilaments, and intermediate filaments in maintaining cell shape, intracellular transport, and cell division.
 - How do chloroplasts function in photosynthesis? Describe their structure.
Hint: Include details about the outer and inner membranes, stroma, thylakoids, and the role of chlorophyll in trapping light energy.
 - Explain the role of the nucleus in the cell.
Hint: Describe the nuclear envelope, nucleoplasm, chromatin, and nucleolus, and discuss its role in genetic control and cell division.

PHYSICS (042)

- The density of a material in the shape of a cube is determined by measuring three sides of the cube and its mass. If the relative errors in measuring the mass and length are respectively 1.5% and 1%, the maximum error in determining the density is?
(a) 3.5% (b) 4.5%
(c) 6% (d) 2.5%
- $[MLT^{-2}]$ matches with the dimensional formula of _____
(a) Force (b) Modulus of elasticity
(c) Displacement (d) Strain
- A train 200m long crosses a pole in 10 sec. The time taken by the train to cross a bridge 800m long is:
(a) 100 sec (b) 50 sec
(c) 25 sec (d) 75 sec
- The position of a particle is given by $-2x^2 + 4t$. How much time the particle will take to come in rest?
(a) 2sec (b) 3sec
(c) 0.5sec (d) 1sec
- What will be the acceleration of a ball if it falls from a building and covers a distance of 6m in 12sec.?
(a) 0.11 m/s^2 (b) 0.22 m/s^2
(c) 9.81 m/s^2 (d) 0.08 m/s^2
- If $|A-B|=A.B$ what is the angle between A and B?

- (a) 600 (b) 900
(c) 150 (d) 450
7. What will be the net effect on maximum height of a projectile when its angle of projection is Changed from 30° to 60° , keeping the same initial velocity of projection?
(a) Become 3 times (b) become 6 times
(c) become 2 times (d) remains same
8. Two forces 5 and 10 kg wt are acting with an inclination of 120° between them. What is the Angle which the resultant makes with 10kgwt?
(a) 600 (b) 300
(c) 150 (d) 450
9. A block is pulled across a horizontal surface as shown. The mass of the block is 5 kg. The block is travelling at a constant velocity. Calculate the force of friction acting on the block.



- (a) 5 N (b) 20 N
(c) 25 N (d) 0 N
10. A machine gun fires a bullet of mass 40 g with a velocity of 1200ms^{-1} . The man holding it can exert a maximum force on 144 N on the gum. How many bullets can he fire per second at the most?
(a) One (b) four
(c) Three (d) two

CHEMISTRY (043)

- The electrovalent bond is present in(NaCl/CHCl₃)
- The structure (or) shape of water molecule is
- The structure of CO₂ is
- In the formation of a chemical bond between Na and Cl, they attain the stable configuration of
- The mutual sharing of one or more pair of electrons between the two combining atoms results in the formation of
- Formal charge of an atom can be calculated by the formula
- The complete transfer of one or more valence electron from one atom to another leads to the formation of
- The shape of the molecule is determined approximately by
- The unit of bond enthalpy is
- The electronegativity of hydrogen and fluorine on Pauling's scale are
- The unit of dipole moment is
- The dipole moment of CO₂ is
- The shape of sulphur hexafluoride is
- The type of hybridisation takes that place in methane is
- The type of hybridisation takes that place in SF₆ is
- The number of lone pair of electrons on C – atom present in CO₂ are
- In SF₆, the bond angle is

18. In C_2H_4 , type of bonds present are
19. Double bonds as compared to single bonds are
20. Number of chlorine atoms which form equatorial bonds in PCl_5 molecule are/is
21. Bond order of O_2 , F_2 , N_2 respectively are
22. The hybridisation of orbitals of N atom in NO_3^- , NO_3^+ and NH_4^+ are respectively
23. For a stable molecule, the value of bond order must be
24. In acetylene molecule between the carbon atoms there are σ and bonds.
25. Malleability and ductility of metals can be accounted due to the capacity of layers of
To slide over one another.

Multiple Choice Questions

1. In which of the following compounds does the central atom obey the octet rule?
 - (a) XeF_4
 - (b) $AlCl_3$
 - (c) SF_6
 - (d) SCl_2
2. In the molecule $A=O=C=O_B$ the formal charge on O_A , C and O_B are respectively:
 - (a) $-1, 0, +1$
 - (b) $+1, 0, -1$
 - (c) $-2, 0, +2$
 - (d) $0, 0, 0$
3. Which of the following is electron deficient?
 - (a) PH_3
 - (b) $(CH_3)_2$
 - (c) BH_3
 - (d) NH_3
4. Which of the following molecule contain no π bond?
 - (a) SO_2
 - (b) NO_2
 - (c) CO_2
 - (d) H_2O
5. The ratio of number of sigma (σ) and pi (π) bonds in 2-butynal is
 - (a) $8/3$
 - (b) $5/3$
 - (c) $8/2$
 - (d) $9/2$
6. Which one of the following is the likely bond angles of sulphur tetrafluoride molecule?
 - (a) $120^\circ, 80^\circ$
 - (b) $109^\circ, 28^\circ$
 - (c) 90°
 - (d) $89^\circ, 117^\circ$
7. Assertion: Oxygen molecule is paramagnetic.
Reason: It has two unpaired electron in its bonding molecular orbital.
 - (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) Both assertion and reason are false
8. In ClF_3 , NF_3 and BF_3 molecules the chlorine, nitrogen and boron atoms are
 - (a) sp^3 hybridised
 - (b) sp^3, sp^3 and sp^2 respectively
 - (c) sp^2 hybridised
 - (d) sp^3d, sp^3 and sp^2 hybridised respectively
9. When one s and three p orbitals hybridise:
 - (a) four equivalent orbitals at 90° to each other will be formed
 - (b) four equivalent orbitals at $109^\circ 28'$ to each other will be formed.
 - (c) four equivalent orbitals, that are lying the same plane will be formed
 - (d) none of these

10. Hybridisation of central atom in PCl_5 involves the mixing of orbitals:
 (a) s, px, py, dx^2 , dx^2-y^2 (b) s, px, py, pxy, dx^2-y^2
 (c) s, px, py, pz, dx^2-y^2 (d) px, py, pxy, dx^2-y^2
11. Bond order of a species is 2.5 and the number of electrons are in its bonding molecular orbital is found to be
12. The no. of electrons in its anti-bonding molecular orbital is
 (a) three (b) four
 (c) zero (d) cannot be calculated from the given information.
12. Shape and hybridisation of IF_5 are
 (a) Trigonal bipyramidal, sp^3d^2 (b) Trigonal bipyramidal, sp^3d
 (c) Square pyramidal, sp^3d^2 (d) Octahedral, sp^3d^2
13. The percentage of s-character of the hybrid orbitals in methane, ethane, ethene and ethyne are respectively
 (a) 25, 25, 33.3, 50 (b) 50, 50, 33.3, 25
 (c) 50, 25, 33.3, 50 (d) 50, 25, 25, 50
14. According to VSEPR theory, the repulsion between different parts of electrons obey the order
 (a) $l.p - l.p > b.p - b.p > l.p - b.p$ (b) $b.p - b.p > b.p - l.p > l.p - b.p$
 (c) $l.p - l.p > b.p - l.p > b.p - b.p$ (d) $b.p - b.p > l.p - l.p > b.p - l.p$
15. Shape of ClF_3 is
 (a) Planar triangular (b) Pyramidal
 (c) 'T' Shaped (d) none of these

ACCOUNTANCY (055)

1. Enter the following transactions in two-column cash book with cash and bank column of Ms. pranali :

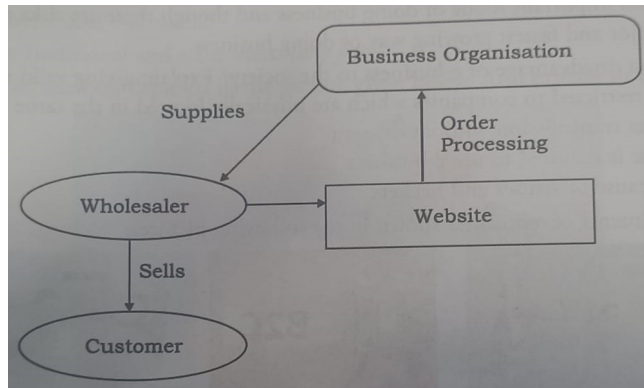
2023	Particulars	Rs.(₹)
1-Jan	Cash in hand	₹70,000
	Bank overdraft	₹50,000
4-Jan	Sold goods	₹50,000
5-Jan	Cash deposited into bank	₹80,000
7-Jan	Cheque issued to Meena in full settlement	₹30,000
8-Jan	Withdrawn from bank for personal use	₹5000
12-Jan	Sold goods to Ajay and cheque received from him	₹25,000
17-Jan	Cheque received from Ajay deposited into bank	
20-Jan	Bank charges	₹500
22-Jan	Interest charged by bank	₹2500
23-Jan	Received cash from Ramesh	₹28000
28-Jan	Paid Sunita's life insurance premium by cheque	₹15000
30-Jan	Deposited into bank the entire balance after retaining Rs. cash in business.	₹5,000

2. Rectify the following errors by passing journal entries, using a suspense account.
- (a) The purchase of Rs 400 from X was entered into sales book but X's personal account was rightly credited.
- (b) The sale of Rs 430 to Y was credited in his account as Rs 340
- (c) The sale of old furniture of Rs 540 was credited to sales account as Rs 450

- (d) Goods worth Rs 100 were taken by the proprietor which was not recorded
 - (e) The sales of Rs 296 to P was entered in sales books as Rs 269
 - (f) Sales return books balance of Rs 210 was not included in the accounts.
3. On 30th June, 2014, the bank column of Mohan Kapoor's Cash Book showed a debit balance of ₹ 12,000. On checking the Cash Book with bank statement you find that:-
- (a) Cheques paid into Bank ₹ 8,000, but out of these only cheques of ₹ 6,500 were cleared and credited by the Bankers upto 30th June.
 - (b) Cheques of ₹ 9,200 were issued but out of these only cheques of ₹ 7,000 were presented for payment upto 30th June.
 - (c) The receipt column of the Cash Book has been under cast by ₹ 200.
 - (d) The Pass Book shows a credit of ₹ 330 as interest on investments collected by bankers and debit of ₹ 60 for bank charges.
 - (e) On 29th June a Customer deposited ₹ 3,000 direct in the bank account but it was entered only in the Pass Book.
- Prepare a Bank Reconciliation Statement.
4. Journalise the following transactions
- (a) Harish started business with cash Rs 1,00,000 and a building valued at Rs 5,00,000.
 - (b) An old machine with the book value of Rs 80,000 is exchanged for a new machine of Rs 2,40,000. The old machine is valued at Rs 50,000 for exchange purposes by Machine Tools Ltd.
 - (c) A cheque from a customer amounted to Rs 5,000 deposited in the bank was returned dishonoured.
 - (d) Paid landlord Rs 1,500 for rent. One third of the premises is occupied by the proprietor for his own residence.
 - (e) Goods costing Rs 500 given as charity (Sales price Rs 600).

BUSINESS STUDIES (054)

1. Statement I: The requirements of funds by Business to carry out its various activities is called Business Finance.
Statement II: the initial capital contributed by the entrepreneur is not always sufficient to take care of all the financial requirements of the business.
2. Statement I: Financing through debenture is less costly. Statement II: Debenture carries voting rights.
3. Abhimanyu limited is manufacturing cotton shirts for men it is planning to expand its business by opening one more unit in another City it has been consistently earning good profit so there are sufficient reserves. State the most appropriate source of finance for the company. Explain its features.
4. Shobhit has Rs. 50,000 for investment purposes. Should he invest in equity shares, preference shares, public deposits or debentures? Justify your answer.
5. 'Rudra Limited ' is a successful company dealing in shoe making. Though it has enough reserved yet the directors of the company opted for debentures as a source of finance. Is the decision right? Give reasons to support your answer.
6. Identify and explain the type of e-commerce shown in the following chart:



7. Distinguish between E-Business and E-Commerce.
8. Nishad and Manish formed a private limited company. Nishad believe that their role as a business is to maximise profits and their contribution to the society is by the taxes that they pay Nishad believes that merely paying taxes is not enough. They should also take care of other aspects like the working condition of the workforce and the environmental protection. Whom do you agree with and why? Give three reasons in support of your answer.

ECONOMICS (030)

1. What are the precautions to be kept in mind while using secondary data?
2. Explain briefly essential requirements of a good sample.
3. Explain purposive sampling. Give its merits and demerits (two each).
4. Convert the following cumulative series into an inclusive series:

Wages (in Rs.)	No. of workers
More than 0	100
More than 1000	80
More than 2000	68
More than 3000	43
More than 4000	38
More than 5000	20
5. State three limitations of diagrammatic presentation.
6. Explain the concept of 'Frequency Polygon' with the help of suitable illustration.
7. Define histogram. Explain its types.
8. Market economies promote disparities in income distribution even when resources are optimally used. Substantiate this observation.
9. Would a consumer equate price of a commodity with total utility or marginal utility? Give reason in support of your answer.
10. How does a consumer reach equilibrium position when he is buying only one commodity? Explain with the help of marginal utility schedule.
11. Show diagrammatically consumer's equilibrium with indifference curve analysis. Also, analyse the conditions of consumer's equilibrium.
12. Why do central problems arise? Explain the central problems of an economy.
13. Define the following terms-
 - (a) Normative Economics
 - (b) Macroeconomics
 - (c) Scarcity

- (d) Economics
14. Explain the functions of Statistics.

HISTORY (027)

1. Map Work:
 - (a) Map of West Asia – marking the Mesopotamian cities that became prominent in different points of time
 - (b) Extent of Roman Empire highlighting key cities
 - (c) Extent of Mongol Empire highlighting important political centers.
2. List the sources through which we come to know about the Mongol History.
3. Do you agree with the view that rise of feudal society was a direct outcome of the disintegration of Roman Empire. Give reasons for your answer.
4. Analyse India's relations with-
 - (a) Mesopotamia
 - (b) Roman EmpireAlso list the evidences that prove India's relations with above mentioned civilizations.

POLITICAL SCIENCE (028)

1. On Political Map of India locate the following places-
 - (a) Undivided Bihar before 2000
 - (b) Telangana
 - (c) Course of Kaveri River
 - (d) Belgaum
 - (e) Prayagraj
2. Create a Mind Map on-73rd Amendment of India's Constitution
3. India's democracy is maintained by the twin offices of the Prime Minister and the President of India. Justify

GEOGRAPHY (029)

1. Map Work:
 - (a) Major Oceans of the world: Indian Ocean, Pacific Ocean, Atlantic Ocean, Arctic Ocean, Southern Ocean
 - (b) Major lithospheric plates and Minor lithospheric plates, Ring of fire (Pacific Ocean), Mid-Atlantic Ridge.
 - (c) Major Hot Deserts of the world: Mojave Desert- Nevada US, Patagonian Desert- Argentina, Sahara- Africa, Gobi Desert- Mongolia, Asia, Thar desert- India, Great Victoria desert-Australia
 - (d) Major Seas: Black sea, Baltic sea, Caspian Sea, Mediterranean Sea, North Sea, Red sea, Bay of Fundy (Canada)
2. Make a list of different forms of condensation and precipitation and define them.
3. Explain the heat budget of the planet earth.
4. Explain different types of winds. Describe the permanent pressure belts and the prevailing winds.

PSYCHOLOGY (037)

1. Suppose you want to examine a person's anxiety and low mood what type of questions you would ask list such standardized questions by following the standardized interview method.
2. Make a chart on the different theories of learning.
3. Make a case profile on Human Development by using a method of enquiry: Interview (Project)

Note:

- Kindly use chart paper for making the chart on the different theories of learning.
- Kindly use A4 size pages for completing the project work.

COMPUTER SCIENCE (083)

1. Write a program in Python to input the marks of Physics, Chemistry and Biology out of 100. Calculate the average marks and display the grade as follows:

Average Marks	Grade
>=90	A
>=75 & <90	B
>=60 & <75	C
>=40 & <60	D
<40	FAIL

2. Write a program in Python to input three sides of a right angle triangle and calculate the area and hypotenuse of the same.

Area of Right Angle Triangle = $\frac{1}{2} * \text{base} * \text{height}$

Length of Hypotenuse: $\text{Hypotenuse}^2 = \text{Base}^2 + \text{Height}^2$

3. What will be the output of the following code:

```
a,b,c=2,3,4
```

```
a,b,c=a*a,a*b,a*c
```

```
print(a,b,c)
```

4. Write the output of following code:

```
DValue= 3.59 + 4j
```

```
DValue += 2 + 4j
```

```
print(DValue.real)
```

```
print(DValue.imag)
```

5. What will be value of x after evaluation of each of following separately?

(a) $x = 29 / 5$

(b) $x = 39 // 4 * 2$

(c) $x = 3 ** 2 ** 2$

(d) $x = 2 ** 5 \% 3 - 5$

6. What will be the output of following code:

```
A= 3 + int (5/2)
```

```
B= A/2
```

```
print( A, B)
```

INFORMATICS PRACTICES (065)

1. Write a program in Python to display the list of the perfect numbers between 1 to 100.

A perfect number is a positive integer that is equal to the sum of its positive proper divisors, that is, divisors excluding the number itself. For instance, 6 has proper divisors 1, 2 and 3, and $1 + 2 + 3 = 6$, so 6 is a perfect number. The next perfect number is 28, since $1 + 2 + 4 + 7 + 14 = 28$.

2. Write a program in Python to input three sides of a triangle and calculate the area of the same.

Area of Triangle $\sqrt{s(s-a)(s-b)(s-c)}$

3. What will be the output of the following code:

```
a,b,c=2,3,4
a,b,c=a*a,a*b,a*c
print(a,b,c)
```

4. Write the output of following code:

```
DValue= 3.59 + 4j
DValue += 2 + 4j
print(DValue.real)
print(DValue.imag)
```

5. What will be value of x after evaluation of each of following separately:

- (a) $x = 29 / 5$
- (b) $x = 39 // 4 * 2$
- (c) $x = 3 ** 2 ** 2$
- (d) $x = 2 ** 5 \% 3 - 5$

6. Predict the output of the following code if value of a is entered as 5:

```
a = int( input("Enter break code ")) # line first
num = 10
while num > 0:
    sum += num
    num -= 2
    if num < a :
        break;
else :
    sum += num
print( sum)
```

PHYSICAL EDUCATION (048)

1. A committee has been formed to advice government on Fit India, consisting of
 - (A) Various government officials
 - (B) Members of Indian Olympic Association
 - (C) National Sports Federation
 - (D) All of the above
2. The foundation of physical education was laid in
 - (A) England
 - (B) Greece
 - (C) USA
 - (D) Italy
3. What does the term 'Citius' mean?
 - (A) Stronger
 - (B) Faster
 - (C) Higher
 - (D) Slower
4. The International Olympic Committee was established by whom?
 - (A) Baron Pierre de Coubertin
 - (B) Carl Lewis
 - (C) Jesse Owens
 - (D) Jim Thorpe

5. From where do we derive the elements of yoga?
 (A) Bhagwat Gita (B) Yoga-Sutra
 (C) Upanishads (D) Ramayana
6. The yogic elements that includes the study of self is
 (A) Pratyahara (B) Dhyana
 (C) Swadhyana (D) Rechaka
7. Regular physical exercises results in _____
 (A) Improved function status (B) Quality of life
 (C) Improved cognitive abilities (D) All of the above
8. The aim of adaptive physical education is to help whom?
 (A) Adults (B) Differently abled students
 (C) Athletes (D) All of the above
9. Which of the following is not the component of wellness?
 (A) Muscular strength (B) Emotional
 (C) Physical (D) Nutritional
10. Which of the following is/are the indigenous sports in India?
 (A) Kho -Kho (B) Kabaddi
 (C) Archery (D) All of the above
11. Test is generally used to measure
 (A) A specific skill (B) A specific body type
 (C) The level of skill (D) The abilities of a sportsperson
12. Which among the following human physiques is marked by greater than average muscular appearance?
 (A) Mesomorph (B) Endomorph
 (C) Ectomorph (D) None of these
13. Which qualifications are required by physical instructors to teach in schools?
14. Who started Modern Olympic Games?
15. What are the constituents of pranayama?
16. How does a Physiotherapist help a child with disability?
17. Define physical fitness.
18. What do you understand by Waist hip ratio?
19. Elucidate the Harvard Step Test to measure the cardiovascular fitness?
20. Define wellness and explain the component of wellness in detail.
21. Discuss various techniques of yoga in managing stress in detail.

हिन्दी (302)

1. नवदुर्गा के नौ रूपों से संबंधित पौराणिक कथाओं का सचित्र वर्णन कीजिए।
2. पहाड़ी जीवन/ग्रामीण जीवन पर लगभग 1000 शब्दों में सचित्र परियोजना तैयार कीजिए।

HINDUSTANI MUSIC (VOCAL) (034)

1. Write the introduction of Raga – Bhimpalasi & the notation of it's DrutKheyal.
2. Write the biography of V. D. Paluskar.

PAINTING (049)

1. Draw a still life using 3-4 objects.
2. Paint a landscape using watercolors.

YOGA (841)

1. Students will prepare a Chart on Concept of 'Aahara'.

