# ARMY PUBLIC SCHOOL GWALIOR
## CLASS XII
## ACADEMIC SESSION 2024-25
## WORKSHEET (SELF- ASSESSMENT)

**Subject: English**

**Allotment Date: 31 August 2024**                    **Assignment no.: 3**

| S. NO. | QUESTIONS | MARKS | NATURE |
|---|---|---|---|
| 1 | (A)You are Ruhi/Rahul, head girl/boy of ABC convent school. Your school is going to organize an inter-school singing competition. Write a notice for your school notice board inviting names of all the interested students. | 4 | Information |
| | (B).Write a letter to the Editor of National Herald, New Delhi about water scarcity in your locality suggesting ways to improve the position of water supply. You are Ramnath/ Reema of Ghaziabad. | 6 | UNDERSTANDING |
| 2 | Read the extract given below and answer the questions that follow<br>"And such too is the grandeur of the dooms<br>We have imagined for the mighty dead;<br>Ml lovely tales that we have heard or read;<br>An endless fountain of immortal drink,<br>Pouring unto us from the heaven's brink"<br>Questions<br>(a)Name the poem and the poet of these lines.<br>(b)Explain: 'the grandeur of the dooms'.<br>(c)What is the thing of beauty mentioned in these lines'?<br>(d)What image does the poet use in these lines? | 4 | Understanding |
| 3 | A doctor is supposed to be gentle and humane. How did Sadao show these qualities in the story, "The Enemy"? | 6 | |
| 4 | Answer the following questions in 30-40 words<br>a) What are Geoff Green's reasons for including high school students in the Students on Ice expedition?<br>b)What sort of terror seized Douglas as he went down the water with a yellow glow? How could he feel that he was still alive<br>c) Why was Edla happy to see the gift left by the peddler?<br>d)Which act of the crofter surprised the peddler? Why?<br>e) How did the incident at the YMCA pool affect Douglas? | 2x5=10 | HOT |
| 5 | The story 'The Rattrap' focuses on human loneliness and the need to bond with others. Explain. | 5 | Analytical Skill |
| 6 | 'To choose between professional loyalty and patriotism was a dilemma for Dr.Sadao. How did he succeed in betraying neither? | 5 | Critical Thinking and Problem Solving |

# ARMY PUBLIC SCHOOL GWALIOR
## CLASS XII
## ACADEMIC SESSION 2024-25
## WORKSHEET (SELF- ASSESSMENT)

**Subject: Hindi**

**Allotment Date: 31 August 2024**　　　　　　　　　　　**Assignment no.: 3**

| S. NO. | QUESTIONS | MARKS | NATURE |
|---|---|---|---|
| 1 | स्वास्थ्य –विभाग द्वारा आपके क्षेत्र की सफाई –व्यवस्था की ओर ध्यान न दिए जाने पर किसी दैनिक पत्र के संपादक को पत्र लिखिए| | 5 | Information |
| 2 | "भारत में किसानो की समस्याओं की अनदेखी" विषय पर फीचर लिखिए | | 5 | Understanding |
| 3 | समाचार लेखन का आशय स्पष्ट कीजिए| समाचार लेखन के प्रकारों पर प्रकाश डालिए| | 5 | HOT |
| 4 | 1. विशेषीकृत पत्रकारिता से आप क्या समझते हैं ? <br> 2. हिंदी पत्रकारिता दिवस कब और किस उपलक्ष्य में मनाया जाता है? <br> 3. सपादकीय में लेखक का नाम क्यों नही दिया जाता है ? <br> 4. 'वॉचडॉग पत्रकारिता' किस प्रकार लोकतंत्र का प्रहरी है ? <br> 5. किन्ही चार हिंदी समाचार पत्रों के नाम लिखिए, जिनके इंटरनेट संस्करण भी उपलब्ध है| | 5 | Interdisciplinary |
| 5 | 'पर्यावरण है तो मानव है' विषय पर अनुच्छेद लिखिए| | 5 | Analytical Skill |
| 6 | 'विश्वासपात्र मित्र जीवन कि एक औषधि है' विषय पर फीचर लिखिए| | 5 | Critical Thinking and Problem Solving |
| 7 | कैमरे में बंद अपाहिज कविता के अनुसार मिडिया का समाज में क्या दायित्व होना चाहिए ? | 5 | Evaluation |
| 8 | बढ़ती जनसंख्या ने अनेक प्रकार की समस्याओं को जन्म दिया है-रोटी, कपड़ा, मकान की कमी, बेरोजगारी, निरक्षता, कृषि एवं उद्योगों के उत्पादनों में कमी आदि। हम जितनी अधिक उन्नति करते हैं या विकास करते हैं, जनसंख्या उसके अनुपात में बढ़ जाती है। बढ़ती जनसंख्या के समक्ष हमारा विकास बहुत कम रह जाता है और विकास कार्य दिखाई नहीं देते। बढ़ती जनसंख्या के समक्ष सभी सरकारी प्रयास असफल दिखाई देते हैं। कृषि उत्पादन और औद्योगिक विकास बढ़ती जनसंख्या के सामने नगण्य सिद्ध हो रहे हैं। इन सभी बातों को ध्यान में रखते हुए जनसंख्या वृद्धि पर नियंत्रण की अति आवश्यकता है। इसके बिना विकास के लिए किए गए सभी प्रकार के प्रयत्न अधूरे रह जाएँगे। <br> **प्रश्न** (क) बढ़ती जनसंख्या से किसमें कमी आई है? <br> (i) बेरोजगारी | 5 | Communication Skills |

| | | | |
|---|---|---|---|
| (ii) गरीबी<br>(iii) निरक्षरता<br>(iv) कृषि एवं उद्योगों के उत्पादनों में<br>(ख) जनसंख्या बढ़ने से किन चीजों में बढ़ोत्तरी हुई है?<br>(i) लोगों के कार्य करने की क्षमता में<br>(ii) शिक्षा में<br>(iii) गरीबी एवं बेरोजगारी में<br>(iv) लोगों के स्वास्थ्य में<br>(ग) हमारा विकास कार्य दिखाई नहीं देता, क्योंकि<br>(i) विकास के अनुपात में जनसंख्या वृधि अधिक है।<br>(ii) जनसंख्या वृद्धि कम हैं।<br>(iii) उपर्युक्त दोनों ।<br>(iv) इनमें से कोई नही | | |

**Subject: Mathematics**                                                                         **Assignment No. :3**
**Allotment Date: 31 August 2024**

| S.NO. | QUESTIONS | MARKS | NATURE |
|---|---|---|---|
| 1 | The rate of change of area of a circle with respect to its radius R at R=6 cm is:<br>(a) $8\pi$         (b) $10\pi$         (c)$11\pi$         (d) $12\pi$ | 1 | Understanding |
| 2 | The function f(x) = $x^3$ +3x is increasing on:<br>(a)$(-\infty, 0)$     (b) $(0,\infty)$         (c) R     (d) (0,1) | 1 | HOT |
| 3 | Suppose f(x) is differentiable at x= a. Then, necessary condition for f(x) to possess local maxima or<br>local minima at x=a is:<br>(a) f(a)= 0       (b)f'(a)= 0       (c) f''(a) = 0     (d)f'''(0) =0 | 1 | HOT |
| 4 | The smallest value of the polynomial $x^3$-$18x^2$+96x in [0,9]<br>(a)126     (b) zero         (c) 135         (d)160 | 1 | Understanding |
| 5 | The point of inflexion for the function f(x) = $x^3$ is:<br>(a) x=0         (b) x = -1       (c) x = 1       (d) x =2 | 1 | Understanding |
| 6 | Maximum slope of curve y = $-x^3$ +$3x^2$ +9x-27 is:<br>(a) zero                 (b) 12             (c) 16   (d) 32 | 1 | Understanding |
| 7 | If x is real, then the minimum value of $x^2$ -8x +17 is :<br>(a) zero                 (b) - 1           (c) 1     (d) 2 | 1 | Understanding |
| 8 | The function f(x) = x - sinx decreases for:<br>(a) all x             (b) x< $\pi/2$     (c) 0< x< $\pi/4$ (d) no value of x | 1 | Information |
| 9 | **Assertion- Reason Type:**<br>**Direction:** The following questions are Assertion-Reason type questions. Each of these questions contains two statements: Assertion (A) and Reason (R). Each of these questions also has four alternative choices, only one of which is the correct answer. You have to select the correct choice.<br>    (a) Both A and R are true and R is the correct explanation of A.<br>    (b) Both A and R are true and R is the not correct explanation of A.<br>    (c) A is true but R is false.<br>    (d) A is false but R is true.<br>Assertion (A): The minimum value of the expression $x^2$+2bx+c is c-$b^2$.<br>Reason (R): The first order derivative of the expression at x =-b is zero. | 1 | Information |
| 10 | Find the maximum value of sinx+ cosx | 2 | Understanding |
| 11 | The side of an equilateral triangle is increasing at the rate of 2 cm/s. Find the rate of increase of the parameter. | 2 | HOT |

| 12 | Find the point on the curve $y^2 = 2x$ which is at a minimum distance from the point (1,4). | **2** | HOT |
|----|------|------|------|
| 13 | Find an angle $\theta$, $0 < \theta < \pi/2$, which increases twice as fast as its sine. | **2** | Analytical Skill |
| 14 | The side of a square sheet is increasing at the rate of 4 cm/min. At what rate is the area increasing when the side is 5 cm long. | **2** | Understanding |
| 15 | Show that f(x) = sinx is neither increasing nor decreasing on $(0,\pi)$. | **3** | Interdisciplinary |
| 16 | Show that the function given by f(x) = $(\frac{1}{x})^x$ , x> 0 has the maximum value $e^{1/e}$ at x= 1/e. | **3** | Understanding |
| 17 | Show that the function f(x) = $x^3$ -3$x^2$+6x-100 is increasing on R. | **3** | Understanding |
| 18 | Find the rate of change of volume of a sphere with respect to its surface area, when the radius is 2 cm. | **3** | Critical Thinking and Problem Solving |
| 19 | Case Study: <br>(i) Anadvertisementfirmissuppliedwithdecorativewirepieces of34meachandisaskedtocut thewireintotwopieces.Fromonepieceacircularsignboardist obemadeandfromothera square one and the idea is to keep the sumof the areas enclosed by a circle and square to beminimumforwritingslogans. The wireiscut atxmfromoneendandmadeacircle. Keepingtheaboveunder considerationanswer thefollowing: <br>(i) Find the areaenclosedbythecircularring. <br>(ii) Find the areaenclosedbythesquareframe. <br>(iii) For what value of x , combined area is minimum? | **4** | Critical Thinking and Problem Solving |
| 20 | If the length of three sides of a trapezium other than base is 10 cm each, then find the area of the trapezium when it is maximum. | **5** | Critical Thinking and Problem Solving |
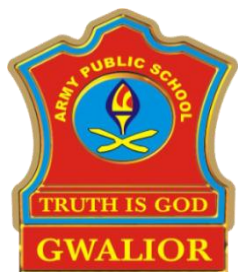
# ARMY PUBLIC SCHOOL GWALIOR
## CLASS XII
## ACADEMIC SESSION 2024-25
### WORKSHEET (SELF ASSESSMENT)

**Subject: Physics**             **Assignment No.: 3**

**Allotment Date: 31 August 2024**

| S. NO. | QUESTIONS | MARKS | NATURE |
|---|---|---|---|
| 1 | Show on a graph, the variation of resistivity with temperature for a typical semiconductor. | 2 | Understanding |
| 2 | When a charged particle moves in a magnetic field, its kinetic energy remains the same. Explain why? | 2 | Analytical Skill |
| 3 | In what respect does a wire carrying a current differ from a wire which carries no current? | 2 | HOT |
| 4 | Write two factors by which voltage sensitivity of a galvanometer can be increased | 2 | Interdisciplinary |
| 5 | How does the random motion of free electrons in a conductor get affected when a potential difference is applied across its ends ? | 2 | Understanding |
| 6 | What happens when a diamagnetic substance is placed in a varying magnetic field? | 2 | Information |
| 7 | Discuss the motion of a charged particle moving in a direction making an angle theta with the direction of the uniform magnetic field. | 3 | HOT |
| 8 | How will the magnetic field intensity at the centre of the of a circular coil carrying current change, if the current through the coil is doubled and the radius of the coil is halved? | 3 | Analytical Skill |
| 9 | The angle of dip and total magnetic field of the earth at a given place are $\theta$ and B respectively. Write down the expression for horizontal and vertical components of the Earth's magnetic field at the place in terms of $\theta$ and B . | 3 | Critical thinking and Problem |
| 10 | a)A small magnet is pivoted to move freely in the magnetic meridian .At what place on the earth will the magnet be vertical?b) Define the term 'conductivity' of a metallic wire. Write its S.I unit | 3 | Interdisciplinary |

| 11 | If two bar magnets are placed with their axes parallel and opposite pole facing each other, show the position of neutral point neglecting the effect of earth. | 3 | | Information |
|---|---|---|---|---|
| 12 | a) .The earth's core is known to contain iron, but geologists do not regard this as a source of magnetic field. Why? <br><br> b) Toroid is a closed solenoid having field lines enclosed within it only. Why is it not so in the case of linear solenoid? | 3 | | HOT |
| 13 | a) Drive an expression for the force per unit length between two long straight parallel conductors carrying current in the same direction and hence define the unit of current. <br><br> b) Name The device used to change the speed of an electric fan . | 5 | | Interdisciplinary |
| 14 | From biot-Savart's law obtain an expression for magnetic field at a point situated at a distance x meters from the centre of a circular coil of n turns and of a meter radius carrying current I amperes. | 5 | | Critical thinking and Problem |

**Subject: Chemistry**
**Allotment Date: 31 August 2024**                          **Assignment No.: 3**

| S.NO. | QUESTIONS | MARKS | NATURE |
|---|---|---|---|
| 1 | **Multiple choice questions** <br> 1. According to IUPAC nomenclature, sodium nitroprusside is named as <br>    a. Sodium pentacynonitrosyl ferrate (II) <br>    b. Sodium pentacynonitrosyl ferrate (III) <br>    c. Sodium nitroferricyanide <br>    d. Sodium nitroferrocyanide <br> 2. The cell constant of a conductivity cell <br>    a. Changes with change of electrolyte <br>    b. Changes with change of concentration of electrolyte <br>    c. Changes with temperature of electrolyte <br>    d. Remains constant for a cell | 1 <br><br><br><br><br><br><br> 1 | Analytical Skills |
| 2 | . **Assertion-Reason** <br> In the following questions, a statement of assertion is followed by a corresponding statement of reason. Of the following statements, choose the correct one. <br>   a. Both assertion and reason are correct statements and reason is the correct explanation of the assertion. <br>   b. Both assertion and reason are correct, but reason is not the correct explanation of the assertion. <br>   c. Assertion is correct, but the reason is incorrect statement. <br>   d. Assertion is incorrect but reason is correct statement. <br>  1.Assertion Zr and Hf have same radii. <br>   Reason Both are member of same series <br>  2.Assertion: Actinoid metals display a variety of structures <br>   Reason: Structural variability of actinoids has no relationship with their metallic radii. | <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br> 1 <br><br> 1 | Understanding |
| 3 | What are the factors which effect rate of reaction? | 2 | Information |
| 4 | Define the following terms <br>    a.Colligative property <br>    b.Azeotropes | 2 | Interdisciplinary |
| 5 | (i).The decomposition of dimethyle ether leads to the formation of $CH_4$, $H_2$ and CO and the reaction rate is given by rate $=K[CH_3OCH_3]^{3/2}$. The rate of reaction is followed by increases in pressure in a closed vessel, so the rate can also be expressed in terms of partial pressure of dimethyl ether, i.e. rate $= k[p_{CH3OCH3}]^{3/2}$. If the pressure is measured in bar and time in minutes, then what are the units of rate and rate constant? <br> (ii) Can a reaction have negative activation energy? | 2 | HOT |
| 6 | How Roult's law is similar to Henry's law.Write their mathematical expressions | 2 | Information |
| 7 | How secondary cells are charged?Write chemical equations | 3 | Understanding |
| 8 | Draw graph to show effect of catalyst on reaction.. | 3 | Interdisciplinary |
| 9 | What is activation energy?Draw graph showing role of activation | 3 | Information |

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| | energy. | | |
| 10 | How will you distinguish between Battery and cell? | 3 | HOT |
| 11 | What is lanthanoid contraction? What is the reason of lanthanoid contraction? | 3 | HOT |
| 12 | Write all the isomers of <br> (i) $[Co(NH_3)_6]$ $[Cr(C_2O_4)_3]$ <br> (ii)$[Co(NH_3)_5SO_4]Br$ | 3 | Understanding |
| 13 | Write down main postulates of Werner"s Theory. | 5 | Information |
| 14 | (i)A reaction is of second order with respect to a reactant. How is the rate of reaction affected, if the concentration of the reactant is (a) doubled? <br> (b) Reduced to half? <br> (ii) What is the effect of temperature on the rate constant of a reaction? | 5 | Evaluation |
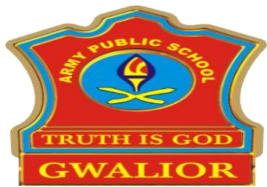
# ARMY PUBLIC SCHOOL GWALIOR
## CLASS XII
## ACADEMIC SESSION- 2024-2025
## WORKSHEET (SELF- ASSESSMENT)

**Subject: Biology**

**Allotment Date: 31 August 2024**　　　　　　　　**Assignment No.: 3**

| S.NO. | QUESTIONS | MARKS | NATURE |
|---|---|---|---|
| 1. | Write the dual purpose served by deoxyribonucleoside triphosphates in polymerisation | 2 | Analytical Skills |
| 2. | Why does hnRNA undergo splicing? Where does splicing occur in the cell? | 2 | Understanding |
| 3. | Name the enzyme that transcribes hnRNA in eukaryotes. | 2 | Analytical Skills |
| 4. | Why is RNA more reactive in comparison to DNA? | 2 | Interdisciplinary |
| 5. | Name the negatively charged and positively charged components of a nucleosome. | 2 | Understanding |
| 6. | What will happen if DNA replication is not followed by cell division in a eukaryotic cell? | 2 | Information |
| 7. | Why is it not possible for an alien DNA to become part of chromosome anywhere along its length and replicate normally? ( | 3 | Information |
| 8. | Describe the structure of a nucleosome | 3 | HOT |
| 9. | How do histones acquire positive charge? | 3 | Understanding |
| 10. | Discuss the role enzyme DNA ligase plays during DNA replication | 3 | HOT |
| 11. | In a typical nucleus, some regions of chromatin are stained light and others dark. Explain why is it so and what is its significance | 3 | Interdisciplinary |
| 12. | Explain the two factors responsible for conferring stability to double helix structure of DNA. | 3 | Interdisciplinary |
| 13. | State the difference between the structural genes in a transcription unit of prokaryotes and eukaryotes | 5 | Understanding |
| 14. | Draw a labelled diagram of a nucleosome. Where is it found in a cell? | 5 | HOT |

**Subject: Accountancy**                    **Assignment No.:3**
**Allotment Date: 31 August 2024**

| S. NO. | QUESTIONS | MARKS | NATURE |
|---|---|---|---|
| 1. | Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R):<br>Assertion (A): In case of shares issued on Pro-rata basis, excess money received at the time of application can be utilised till allotment only.<br>Reason (R): Company has to pay interest on calls in advance @12% p.a. for amount adjusted towards calls (if any). In the context of the above two statements, which of the following is correct? Codes:<br>(a) Both (A) and (R) are true, but (R) is not the explanation of working capital management.<br>(b) Both(A) and (R) are true and (R) is a correct explanation of (A).<br>(c) Both (A) and (R) are false.<br>(d) (A) is false, but (R) is true. | 1 | Remembering |
| 2. | Pooja, Nita and Anita were partners in a firm sharing profits and losses in the ratio of 3 : 2 : 1. Pooja retired and her share is taken up by Nita and Anita equally. The new profit sharing ratio of Nita and Anita will be :<br>(a) 2 : 1<br>(b) 7 : 5<br>(c) 1 : 1<br>(d) 3 : 2 | 1 | Application |
| 3. | P, Q and R were partners in a firm sharing profits and losses in the ratio of 4 : 3 : 1. P died on 1st September, 2022. On the date of P's death profits of the firm were calculated as Rs.80,000. share of profit will be adjusted by :<br>(a) Debiting Profit and Loss Account with Rs.40,000.<br>(b) Debiting Profit and Loss Appropriation Account by Rs.40,000.<br>(c) Debiting Profit and Loss Suspense Account with Rs.80,000.<br>(d) Debiting Profit and Loss Suspense Account with Rs.40,000. | 1 | Understanding |
| 4. | Which of the following will be transferred to Realisation Account at the time of dissolution of firm ? (i) Provision for Doubtful Debts (ii) Partners (iii) General Reserve (iv) Goodwill<br>(a) (i) and (iv)<br>(b) (i), (ii) and (iv)<br>(c) (i), (iii) and (iv)<br>(d) (i), (ii) and (iii) | 1 | Application |
| 5. | Nidhi, Kunal and Kabir are partners in a firm sharing profits in the ratio of 2 : 1 : 2. Kunal retired and the balance in his capital account after making necessary adjustments on account of reserves, revaluation of assets and reassessment of liabilities was Rs.80,000. Nidhi and Kabir agreed to pay him Rs.1,00,000 in full settlement of his claim. Kunal's share of goodwill of the firm, on his retirement was :<br>(a) Rs.4,000<br>(b) Rs.20,000 | 1 | Remembering |

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| | (c) Rs.16,000<br>(d) Rs.1,80,000 | | |
| 6. | Aman, Aadhar and Avinash were partners and sharing profits in the ratio of 3 : 2 : 1. Avinash retired from the firm on 1st July, 2022. On the date of Avinash's retirement, the Balance sheet showed debit balance of Rs.1,20,000 in the Profit and Loss Account. For calculating the amount payable to Avinash, this balance will be transferred :<br>(a) To the debit side of the capital accounts of Aman and Aadhar in old profit sharing ratio.<br>(b) To the debit side of the capital accounts of Aman, Aadhar and Avinash in old profit sharing ratio.<br>(c) To the credit side of the capital accounts of Aman and Aadhar in new profit sharing ratio.<br>(d) To the credit side of the capital accounts of Aman and Aadhar in their gaining ratio. | 1 | Remembering |
| 7. | A company forfeited 400 shares of Rs.10 each, Rs.8 per share called up for non-payment of first call of Rs.2 per share. On forfeiture of these shares, share capital account debited with :<br>(a) Rs.4,000<br>(b) Rs.800<br>(c) Rs.3,200<br>(d) Rs.2,000 | 1 | Knowledge |
| 8. | Maira Ltd. took over assets of Rs.12,00,000 and liabilities of Rs.4,00,000 of Subav Ltd. for an agreed purchase consideration of Rs.9,00,000. The amount was payable by issue of 11% debentures of Rs.100 each at 10% discount. The number of debentures issued will be :<br>(a) 9,000<br>(b) 10,000<br>(c) 8,000<br>(d) 11,000 | 1 | Remembering |
| 9. | Akshita Ltd. issued fully paid shares of Rs.5,00,000 in purchase consideration of net assets of Rs.4,70,000. The balance of Rs.30,000 will be _____ to _____ account.<br>(a) debited, Goodwill<br>(b) debited, Capital Reserve<br>(c) credited, Capital Reserve<br>(d) credited, General Reserve | 1 | Computation |
| 10. | P, Q and R were partners in a firm. On 31st March, 2018 R retired. The amount payable to R ` 2,17,000 was transferred to his loan account. R agreed to receive interest on this amount as per the provisions of Partnership Act, 1932. State the rate at which interest will be paid to R. | 1 | Knowledge |
| 11. | Suman, Vivek and Vinod were partners in a firm sharing profits and losses in the ratio of 5 : 3 : 2. Suman retired on 1st April, 2022. After making all adjustments relating to revaluation, goodwill and accumulated profits, etc., the capital accounts of Vivek and Vinod showed credit balances of Rs.3,60,000 and Rs.1,40,000 respectively. It was decided to adjust the capitals of Vivek and Vinod in their new profit sharing ratio. Pass necessary journal entries for bringing in or withdrawal of the necessary amounts. Show your working clearly. | 3 | Application |
| 12. | Annex Ltd. issued 1,00,000 shares of Rs.10 each at a premium of 10% to the public for subscription. The whole amount was payable on application. Applications were received for 3,00,000 shares and the board decided to allot shares to all shareholders on pro-rata basis. Pass necessary journal entries for the above transactions in the books of Annex Ltd. | 3 | Computation and knowledge |

| 13. | Shovan Limited took over the assets of Rs.60,00,000 and liabilities of Rs.10,00,000 from Swami Limited for an agreed purchase consideration of Rs.45,00,000. The amount was payable by issuing 10% debentures of Rs.100 each at 25% premium. Pass necessary journal entries for the above transactions in the books of Shovan Limited. | 4 | Computation and knowledge |
|---|---|---|---|
| 14. | Ankit, Bobby and Kartik were partners in a firm sharing profits in the ratio 4 : 3 : 3. The firm was dissolved on 31-3-2018. Pass the necessary Journal entries for the following transactions after various assets (other than cash and bank) and third party liabilities had been transferred to Realisation Account : (i) The firm had stock of Rs.80,000. Ankit took over 50% of the stock at a discount of 20% while the remaining stock was sold off at a profit of 30% on cost. (ii) A liability under a suit for damages included in creditors was settled at Rs.32,000 as against only Rs.13,000 provided in the books. Total creditors of the firm were Rs.50,000. (iii) Bobby's sister's loan of Rs.20,000 was paid off along with interest of Rs.2,000. (iv) Kartik's Loan of Rs.12,000 was settled at Rs.12,500. | 4 | Computation and knowledge |
| 15. | Giriija, Yatin and Zubin were partners sharing profits in the ratio 5 : 3 : 2. Zubin died on 1st August, 2015. Amount due to Zubin's executor after all adjustments was Rs.90,300. The executor was paid Rs.10,300 in cash immediately and the balance in two equal annual instalments with interest @ 6% p.a. starting from 31st March, 2017. Accounts are closed on 31st March each year. Prepare Zubin's Executors Account till he is finally paid. | 4 | Application |
| 16. | DF Ltd. invited applications for issuing 50,000 shares of Rs.10 each at a premium of Rs.2 per share. The amount was payable as follows : On Application : Rs.3 per share (including premium Rs.1) On Allotment : Rs.3 per share (including premium Rs.1) On First call : Rs.3 per share On Second and Final Call : Balance amount Application for 70,000 shares were received. Allotment was made on the following basis. Applications for 5,000 shares – Full Applications for 50,000 shares – 90% Balance of the applications were rejected. Rs.1,11,000 were received on account of allotment. The amount of allotment due from the shareholders to whom shares were allotted on prorata basis was fully received. A few shareholders to whom shares were allotted in full, failed to pay the allotment money. Rs.1,20,000 were received on first call. Directors decided to forfeit those shares on which allotment and call money was due. Half of the forfeited shares were re-issued @ Rs.8 per share fully paid up. Final call was not made. Pass the necessary journal entries for the above transactions in the book of DF Ltd. | 6 | Computation and knowledge |
| 17. | Akul, Bakul and Chandan were partners in a firm sharing profits in the ratio of 2 : 2 : 1. On 31st March, 2018 their Balance Sheet was as follows : Balance Sheet of Akul, Bakul and Chandan as on 31-3-2018 | 6 | Computation and knowledge |

Balance Sheet of Akul, Bakul and Chandan as on 31-3-2018

| Liabilities | Amount (₹) | Assets | | Amount (₹) |
|---|---|---|---|---|
| Sundry Creditors | 45,000 | Cash at Bank | | 42,000 |
| Employees Provident Fund | 13,000 | Debtors | 60,000 | |
| General reserve | 20,000 | Less : Provision | | |
| Capitals : | | for doubtful debts | 2,000 | 58,000 |
| Akul | 1,60,000 | Stock | | 80,000 |
| Bakul | 1,20,000 | Furniture | | 90,000 |
| Chandan | 92,000 | 3,72,000 | Plant and Machinery | | 1,80,000 |
| | 4,50,000 | | | 4,50,000 |

Bakul retired on the above date and it was agreed that : (i) Plant

| | and Machinery was undervalued by 10%. (ii) Provision for doubtful debts was to be increased to 15% on debtors. (iii) Furniture was to be decreased to Rs.87,000. (iv) Goodwill of the firm was valued at Rs.3,00,000 and Bakul's share was to be adjusted through the capital accounts of Akul and Chandan. (v) Capital of the new firm was to be in the new profit sharing ratio of the continuing partners. Prepare Revaluation account and Partners' Capital accounts. | | |
|---|---|---|---|

**Subject: Business Studies**                                             **Assignment No.: 3**
**Allotment Date: 31 August 2024**

| S. NO. | QUESTIONS | MARKS | NATURE |
|--------|-----------|-------|--------|
| 1. | Contract of employment contains _____ information.<br>(a) Job Title<br>(b) Responsibilities<br>(c) Allowances<br>(d) All of these | 1 | Understanding |
| 2. | Under training the employees are trained in _____ field/fields.<br>(a) A particular<br>(b) Two<br>(c) Three<br>(d) All of these | 1 | Knowledge |
| 3. | _____ is the merit of internal recruitment.<br>(a) Increase in motivation<br>(b) Industrial Peace<br>(c) Both (a) and (b)<br>(d) Stopping the entry of young blood | 1 | Knowledge |
| 4. | To which source of recruitment the direct recruitment from educational institutions is related?<br>(a) Employment Exchange<br>(b) Campus Recruitment<br>(c) Management Consultants<br>(d) Direct Recruitment | 1 | Remembering |
| 5. | Vegatech Enterprises was a company manufacturing refrigerators. The company had a functional structure with four main functions—Production, Marketing, Finance and Human Resource. As the demand for the products grew, the company decided to hire more employees. Identify the concept which will help the Human Resource Manager in identifying the types of human resources necessary for the performance of various jobs and accomplishment of organisational objectives.<br>(a) Workload Analysis<br>(b) Staffing<br>(c) Workforce Analysis<br>(d) Both (b) and (c) | 1 | Knowledge |
| 6. | Every manager, from top executive to supervisor performs the function of directing. The directing takes place wherever superior-subordinates relations exist. Which characteristic of directing is highlighted here.<br>(a) Directing initiates action<br>(b) Directing takes place at every level of management<br>(c) Directing is a continuous process<br>(d) Directing flows from top to bottom | 1 | Knowledge |
| 7. | It is the highest level of need in the Maslow's need hierarchy. It refers to the drive to become what one is capable of becoming. These needs include growth, self-fulfillment and achievement of goals. Which type of need of Maslow's Need Hierarchy is explained here:<br>(a) Security needs<br>(b) Belonging needs | 1 | Analyzing |

| | | | |
|---|---|---|---|
| | (c) Self actualisation needs<br>(d) Esteem needs | | |
| 8. | Congratulating the employee for good performance and rewarding an employee for giving valuable suggestions are the example of which type of non-financial incentives.<br>(a) Job enrichment<br>(b) Career advancement opportunity<br>(c) Employee Recognition programmes<br>(d) Employee Empowerment | 1 | Knowledge |
| 9. | If there is no match between what is said and what is expressed in body movements, communication may be wrongly perceived. Name the type of semantic barrier highlighted here<br>(a) Technical jargon<br>(b) Body language and gesture decoding<br>(c) Faulty translations<br>(d) Unclarified assumptions | 1 | Understanding |
| 10. | In an organisation, employees always feel that they are under enormous unnecessary stress, as the manager does not provide any information about future plans but simply instructs them what to do. He also does not listen to any of the suggestions given by the subordinates. Name the leadership style being followed here:<br>(a) Autocratic Leadership Style<br>(b) Democratic Leadership Style<br>(c) Laissez-faire Leadership Style<br>(d) (b) and (c) both | 1 | Knowledge |
| 11. | M/s Beta Ltd. deals in consumer goods. It employs 100 workers and 10 operative managers who give guidance and support to the workers while operating the machinery. The company has a policy of granting leave as per the requirement of the workers. Workers are generally granted leave on festivals and special occasions. Recently on Puja festival, it received a big order. Workers are keen to take Puja holidays while management is pressing hard for overtime. This matter was placed before the Personnel Manager who called the meeting of operative managers and workers to inform them about the changes in the incentive plan which states payment of double wages for working overtime and triple wages for working on holidays. Workers without any pressure voluntarily took limited holidays and were able to increase their earning by working overtime and on holidays. During Board of Directors meeting, Personnel Manager was asked to update the management for achieving higher output, meeting timely supplies without any confrontation with workers. Personnel Manager replied, "I just used a carrot with no sticks approach". By quoting the lines from above paragraph state any two elements of directing. | 3 | Understanding and analyzing |
| 12. | Resolutions Pvt. Ltd. is a publishing company. Its book on Business Studies for class XII is in great demand. As a result, the employees in the marketing department are always racing against time. The employees have to work overtime and on holidays to cater to the demand. Managers in the marketing department are under stress as they have to handle more than two territories. The work stress has led to dissatisfaction among the employees and managers. a) Name and explain the step of staffing process which has not been performed properly. b) State the next two stages immediately following the step identified in part „a". | 3 | Understanding and knowledge |
| 13. | Jaideep recently joined as the Managing Director of 'Tivori Ltd.', an apparel designing company. He observed that the company had a number of experienced fashion designers on its payroll. They regularly offered useful suggestions which were neither appreciated nor rewarded by the company. Instead the company outsourced its services to some renowned fashion designers and paid them a good compensation for their services. Because of this the | 4 | Analyzing and Remembering |

| | | | |
|---|---|---|---|
| | employees felt disheartened and stopped giving useful suggestions. (a) Identify the communication barrier discussed above. (b) State the category of this communication barrier. (c) Explain any other communication barrier of the same category. | | |
| 14. | The workers of 'Gargya Ltd.' are unable to work on new computerised machines imported by the company to fulfil the increased demand. Therefore, the workers are seeking extra guidance from the supervisor and the supervisor is overburdened with the frequent calls of workers. Suggest how the supervisor, by increasing the skills and knowledge of workers, can make them handle their work independently. Also state any three benefits that the workers will derive by the decision of the supervisor. | 4 | Analyzing and Remembering |
| 15. | Atul-The Assistant Manager, Vikas-The Marketing Head and Leena-The Human Resource Manager of 'Montac Enterprises Ltd.' decided to leave the company. The Chief Executive officer of the company called the Human Resource Manager, Leena and requested her to fill up the vacancies before leaving the organisation. Leena suggested that her subordinate Miss Rama Wadhwa is very competent and trust worthy, if she could be moved up in the hierarchy, she would do the needful. The Chief Executive Officer agreed for the same. Mina Rama Wadhwa contacted 'Smith Recruiters' who advertised for the post of marketing head for 'Montac Enterprises Ltd'. They were able to recruit a suitable candidate for the company. Atul's vacancy was filled up by screening the database of unsolicited applications lying in the office. (a) Name the internal/external sources of recruitment used by 'Montac Enterprises Ltd'. to fill up the above stated vacancies. (b) Also state any one merit of each of the above identified source of recruitment. | 4 | Understanding |
| 16. | Mohit Gupta is working with 'Yellow Security Services Ltd.' He is also recruiting security guards for the company. The company provide security services in Delhi and Noida at short notice to various companies. The guards are recruited on temporary basis. The guards provided by this company are known for their honesty and punctuality. Mohit Gupta is well known in his village for providing employment to unskilled people. (a) Name the source of recruitment used by 'Yellow Security Services Ltd.' (b) State any one disadvantage of this source of recruitment. (c) Identify the need of 'Security Guards' which is being fulfilled by the company as per Maslow's need hierarchy. | 6 | Knowledge |
| 17. | Anjali had been working with 'Tata Enterprises' for the last ten years. She was famous for her dedication towards the work. When the Manager senior to her retired, all her colleagues thought that now Anjali would be promoted. But to everyone's surprise the vacant post was filled by an outsider 'Miss Monika'. Anjali felt demoralised and her performance started declining. She would absent herself often and could not meet her targets. Miss Monika was a good leader who would not only instruct her subordinates, but also guide and inspire them. She noticed Anjali's behaviour and felt that her performance could be improved. She started involving Anjali in decision-making issues related to the organisation and made her a part of a high-level joint management committee. Anjali was now punctual to office and her performance started improving. (a) Identify the function of management being performed by Monika. (b) Name the element of the above function of management which helped Monika to improve Anjali's behaviour. (c) State any four features of the element identified in (b) above | 6 | Remembering |

**Subject:  Economics**

**Allotment Date: 31 August 2024**                                              **Assignment No.: 3**

| S. NO. | QUESTIONS | MARKS | NATURE |
|---|---|---|---|
| 1 | If AD exceeds AS, the income rises. (True/False, Give reason) | 1 | Information |
| 2 | When MPC is greater than MPS, the value of investment multiplier will be greater than 5. (Yes/No. Support your answer) | 1 | Understanding |
| 3 | When MPC is zero, the value of investment multiplier will be _____. | 1 | HOT |
| 4 | At equilibrium level:<br>(a) C=I<br>(b) AD=S<br>(c) S=I<br>(d) C=S | 1 | Interdisciplinary |
| 5 | The maximum value of multiplier is ____ when the value of MPC is ___.<br>(a) Infinity, Zero<br>(b) Infinity, One<br>(c) One, Infinity<br>(d) None of these | 1 | Analytical Skill |
| 6 | In 1991, ___ was the immediate impact of devaluation of Indian Rupee.<br>(a) Increase in inflow of foreign exchange<br>(b) Decrease in inflow of foreign exchange<br>(c) Increase in outflow of foreign exchange<br>(d) Fall in foreign exchange reserve | 1 | Critical Thinking and Problem Solving |
| 7 | From the following statements regarding Goods and Services Tax (GST), identify the incorrect statement:<br>(a) It ensures uniformity of tax rates across all states.<br>(b) It ensures better tax compliance and tax collection.<br>(c) All types of direct and indirect taxes have been subsumed by it.<br>(d) It's imposed on the supply of goods and services. | 1 | Evaluation |
| 8 | Which of the following represents Consumptions Function Equation?<br>(a) $C = \bar{C} + by$<br>(b) $S = -\bar{C} + (1-b)y$<br>(c) $K = 1/I\text{-}MPC$<br>(d) $AD = C+I+G+(X-M)$ | 1 | Evaluation Skill |
| 9 | What happens in the economy when AD<AS?<br>(a) Produces will reduce production<br>(b) Producers will expand production<br>(c) The level of Income will be constant<br>(d) None of these | 1 | Analytical Skill |
| 10 | Identify the correct statement:<br>(a)Excess demand leads to decrease in output.<br>(b)Increase in CRR increases the lending capacity of the banks.<br>(c)Reduction in government spending leads to fall in | 1 | Interdisciplinary |

| | | | |
|---|---|---|---|
| | income.<br>(d)Monetary policy is the policy of the government to control credit and money supply. | | |
| 11 | India has certain advantages which makes it a favourite outsourcing destination. What are these advantages? | 3 | Communication Skills |
| 12 | An economy is in equilibrium. Its national income is Rs.5000 and autonomous consumption expenditure is Rs. 500. What is the total consumption expenditure if MPC is 0.7? | 3 | Critical Thinking and Problem solving |
| 13 | Given the saving function equation: S= (-)200+0.25Y where S is the savings and Y the level of income. Find<br>(i) Autonomous consumption<br>(ii) MPS<br>(iii) Investment Multiplier | 4 | Interdisciplinary |
| 14 | Given the C=100+0.75Y is a consumption function (Where C=consumption expenditure and Y=national income) and investment expenditure is 800. On the basis of this information calculate:<br>    (i)       Equilibrium level of national income.<br>    (ii)      Savings at equilibrium level of national income. | 4 | Understanding/Analyse |
| 15 | There is a downward trend in inequality world-wide with a rise in the average education level. Comment. | 4 | HOT |
| 16 | **State True/False. Give reason.**<br>(1) Aggregate Demand is measured not as the sum total of goods but as the sum total of planned expenditure on the goods during an accounting year.<br>(2) The government makes collective consumption expenditure in a three-sector economy.<br>(3) Minimum level of expenditure is dependent on the level of income in the economy.<br>(4) Aggregate Demand curve (indicating aggregate expenditure at different levels of income) slopes downward from left to right.<br>(5) Exports in an open economy indicate demand for foreign goods.<br>(6) When exports = Rs. 40,000 crore and imports = Rs. 50,000 crore, value of net exports will be equal to Rs. 10,000 crore. | 6 | Critical Thinking and Problem solving |
| 17 | Answer the following questions. Write formulas and follow all steps while solving the questions.(Choose the correct option)<br>(i)When Autonomous Consumption = Rs. 50 crore, Marginal Propensity to Consume = 0.6 and Income = Rs. 800 crore, value of saving will be:<br>(a) Rs. 270 crore. (b) Rs. 320 crore.<br>(c) Rs. 370 crore. (d) None of these.<br>(ii) If the Marginal Propensity to Consume = 0.8,an increase in national income of Rs. 1,000 crore will result in additional savings of:<br>(a) Rs. 200 crore. (b) Rs. 400 crore.<br>(c) Rs. 600 crore. (d) Rs. 800 crore.<br>(iii) Given Marginal Propensity to Save as 0.2, an additional investment of Rs. 1,000 crore will result in a total increase in national income of the value of:<br>(a) Rs. 2,000 crore. (b) Rs. 5,000 crore.<br>(c) Rs. 8,000 crore. (d) Rs. 10,000 crore. | 6 | Evaluation |

**Subject: History**

**Allotment Date: 31 August 2024**  **Assignment No.: 3**

| S. NO. | QUESTIONS | MARKS | NATURE |
|---|---|---|---|
| 1 | Part- A<br><br>*Answer the following objective type questions:*<br>(i).  From which country the traveller Al-Biruni came to India in the 11<sup>th</sup> century?<br>    a) France<br>    b) Uzbekistan<br>    c) Morocco<br>    d) England<br>(ii).  Whose book did Al-Biruni translate into Sanskrit?<br>    a) Megasthenes's Indica<br>    b) Kautiya's Athshastra<br>    c) Patanjali's work<br>    d) Euclid's books of Mathematics<br>(iii).  Indicate which of the following option is not correct.<br>    Al-Biruni's views about Indian society<br>    a) Sanskrit texts laid down the rules of caste system.<br>    b) Caste systems were not so rigid.<br>    c) Social divisions were unique to India.<br>    d) Caste system was laid down from the point of view of Brahmanas.<br>(iv).  The feature that not correct about Al-Biruni's book Kitab-ul-Hind.<br>    a) It is voluminous text including 80 chapters.<br>    b) It is written in Persian.<br>    c) It is written in simple and lucid manner<br>    d) It covers subjects like astronomy, alchemy, iconography, laws, metrology etc.<br>(v).  Choose the incorrect option.<br>    Bernier described the Mughal towns as Camp towns and gave various descriptions which were……<br>    a) They grew rapidly with movement of imperial court.<br>    b) They were dependent on imperial protection.<br>    c) They rapidly declined also.<br>    d) They had distinct social and economic foundation.<br>(vi).  Consider the following statements.<br>    i.   Al-Biruni was well versed in languages like Greek, Sanskrit, Hebrew, Arabic, Turkish, Persian.<br>    ii.  His book Kitab-ul-Hind in simple and lucid.<br>    iii. This book has 80 chapters.<br>    Which of the above statements is/are correct?<br>    a) ii and iii<br>    b) i and iii<br>    c) i and ii<br>    d) All of these<br>(vii). Who was Andal?<br>    a) A devotee of Shiva<br>    b) A devotee of Vishnu<br>    c) A devotee of Allah<br>    d) A devotee of Jesus Christ | (10x1=10) | Information |

(viii). What do you mean by 'Hegiographies'?
   a) Biographies of leaders
   b) Biographies of saints
   c) Biographies of artists
   d) Biographies of scientists
(ix). What are 'Maktubat'?
   a) Variant of Urdu language
   b) Charitable trust
   c) Modes of worship
   d) Letters written by sufi saints
(x). 'Tavaram' is the ……..
   a) Collection of poems in Tamil
   b) Biographical accounts of saints
   c) Wedding songs
   d) Worship of the form of Goddess.
   a) for divine happiness

| 2 | Part- B | 3 | Evaluation |
| | *Answer the following questions in short:* | | |
| | Write a note on the Kitab- Ul- Hind. | | |
| 3 | "The conception of social pollution intrinsic to the caste system was contrary to the law of nature" Examine Al-Biruni;s statement on Indian caste system. | 3 | HOT |
| 4 | Discuss Al-Biruni's understanding of the caste system. | 3 | Evaluation |
| 5 | Expalin how the biography of the saint poetess Mirabai has been primarily construct. How did she defy the norms of society? | 3 | Understanding & Evaluation |
| 6 | Part- C | 8 | Understanding & HOT |
| | *Long questions answers:* | | |
| | According to Beriner, Crown ownership of land had disastrous consequences for the state and society'' Justify the statement. | | |
| | Or | | |
| | Explain the teachings of Kabir and Guru Nanak. | | |
| 7 | Part-D (Sources Based Questions) | (2+2+1=5) | Application and understanding |
| | Read the following extract carefully and answer the questions that follow: ***The One Lord*** | | |
| | Here is a composition attributed to Kabir: | | |
| | Tell me, brother, how can there be | | |
| | No one lord of the world but two? | | |
| | Who led you so astray? | | |
| | God is called by many names: | | |
| | Names like Allah, Ram, Karim, | | |
| | Keshav, Hari, and Hazrat. | | |
| | Gold may be shaped into | | |
| | rings and bangles. | | |
| | Isn't it gold all the same? | | |
| | Distinctions are only words | | |
| | we invent … | | |
| | Kabir says they are both | | |
| | mistaken. | | |
| | Neither can find the only | | |
| | Ram. One kills the goat, the | | |
| | other cows. | | |
| | They waste their lives in | | |
| | disputation. | | |
| | **Questions:-** | | |
| | i.What is Kabir's argument against the distinction made | | |

| | between gods of different communities?<br>ii. Name any two scriptures in which verses, ascribed to Kabir, have been complied.<br>iii. How did Kabir described the ultimate reality? | | |
|---|---|---|---|
| **8** | PART-E: **(Map Question)**<br>On an outline map of the world mark and name any 5 countries visited by Ibnbattuta. | **(5x1=5)** | Identification |
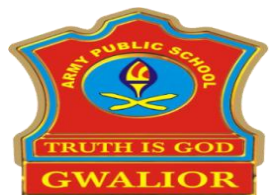
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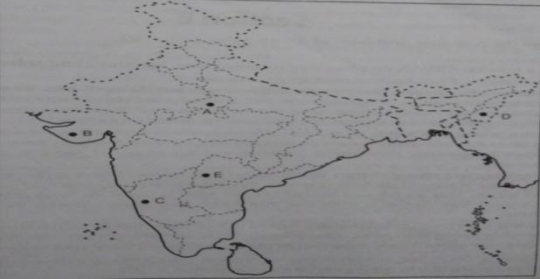# ACADEMIC SESSION 2024-25
# WORKSHEET (SELF- ASSESSMENT)

**Subject: Political Science**

**Allotment Date: 31 August 2024**                    **Assignment No.: 3**

| S. NO. | QUESTIONS | MARKS | NATURE |
|---|---|---|---|
| 1 | Objective Type Questions:<br>(i) What do you understand by Mixed Economy.<br>(ii) Relationship between India and Russia are rooted in mutual:<br>(a) suspense<br>(b) cooperation<br>(c) hatred<br>(d) competition<br>(iii) Which declaration was signed with AESAN came into existence?<br>(a) Singapore Treaty<br>(b) Bangkok Declaration<br>(c) AESAN Declaration<br>(d) Warsaw Pact<br>(iv)  The UN agency concerned with the safety and peaceful use of nuclear technology is:<br>(a) The UN Committee on Disarmament<br>(b) International Atomic Energy Agency<br>(c) UN International Safeguard Committee<br>(d) None of the above<br>(v)  What is Human Right Watch?<br>(vi)  The UN was founded on ----------------- .<br>(vii)   Nation building is a<br>(a) One-dimensional approach<br>(b) Two-dimensional approach<br>(c) Three-dimensional approach<br>(d) Multi-dimensional approach<br>(viii)   Kashmir's accession to India was signed by<br>(a) Raja Hari Singh<br>(b) Raja Karan Singh<br>(c) Pandit Nehru<br>(d) Sheikh Abdullah<br>(ix)  The para –military force of Hyderabad's Nizam was called<br>(a) Infantry<br>(b) Kabaili<br>(c) Razakars<br>(d) Army<br> (x)  The state Andhrapradesh was formed in<br>(a) December 1952<br>(b) December 1947<br>(c) January 1949<br>(d)January 1950 | (10x1=10) | Information |
| 2 | Define the front line states. | 2 | Understanding |
| 3 | Why did Gorvachev's reform policy fail? | 4 | HOT |
| 4 | Suggest any six steps since 2005 to make the United Nations more relevant in the changing context. | 4 | HOT |
| 5 | Though the UN has failed in preventing wars and related miseries, nations prefer its continuation. What makes the UN an indispensable organisation? | 4 | Understanding |

| 6 | Read the extract carefully and answer the questions that follow:<br>By 2006, the UN had 192 member states. These included almost all independent states. In the UN General Assembly, all members have one vote each. In the UN Security Council, there are five permanent members. These are the US, UK, Russia, France, China. These states were selected as permanent member as they were most powerful immediately after the Second World War and because they constituted the victors in the war.<br>**Questions:**<br>i.  How many member states were there in the UN 2006?<br>ii.  Name five permanent members of UN Security Council.<br>iii. Why these states were selected as permanent? | **(1+2+2=5)** | Analytical |
|---|---|---|---|
| 7 | In the given outline political map of India five Princely States have been marked as (A), (B), (C), (D) and (E). Identify these Princely States on the map and match with the asked one.<br> i.    Junagarh<br> ii.   Mysore<br> iii.  Manipur<br> iv.  Gwalior<br> v.   Hyderabad<br> | **(1+1+3=5)** | Analytical |
| 8 | Discuss the consequences of Partition of India.<br><center>Or</center><br>Examine the Congress dominance in the first three General Elections. | **6** | HOT |

**Subject: Psychology**

**Allotment Date: 31 August 2024**                            **Assignment No.: 3**

| S.NO. | Questions | MARKS | NATURE |
|-------|-----------|-------|--------|
| 1 | When a person has to use more and more of a substance to get the same effect is called--------<br>(a) substance dependence<br>(b) substance abuse<br>(c) tolerance<br>(d) Super conscious | 1 | Information |
| 2 | A dream like state separating self from reality is known as<br>(a) depersonalization disorder<br>(b) somatoform disorder<br>(c) depressive disorder<br>(d) none of the above | 1 | Information |
| 3 | Samina keeps organizing her cupboard the whole day. even the thought of somebody messing it. keeps her distracted in class and makes her anxious. Such symptoms are typical of which disorder<br>(a) O.C.D<br>(b) Depression<br>(c) Coronary Heart Disease<br>(d) None of the above | 1 | Knowledge |
| 4 | Extreme pain without any identifiable biological symptom is an example of--------- disorder<br>(a) somatoform<br>(b) depressive disorder<br>(c) Conscientiousness<br>(d) anxiety | 1 | Knowledge |
| 5 | The fear of strangers is called<br>(a) Xenophobia<br>(b) Cynophobia<br>(C) Taphophobia<br>(d) Aerophobia | 1 | Information |
| 6 | Compulsive behavior is doing things over and over again.<br>(a) Counting<br>(b) touching<br>(c) checking<br>(d) self-cognition | 1 | Understanding |
| 7 | ADHD is usually first diagnosed in.<br>(a) infancy<br>(b) childhood<br>(c) adulthood<br>(d) old age | 1 | Understanding |
| 8. | What are the symptoms of anxious people.<br>(a) loss of appetite<br>(b) fainting<br>(C) dizziness<br>(D) all of the above | 1 | Information |

| 9 | In _____ a person defends against anxiety by adopting behaviours opposite to her/his true feelings.<br>(a) Reaction formation<br>(b) Rationalization<br>(C) Repression<br>(d) Regression | 1 | Knowledge |
|---|---|---|---|
| 10. | Inability to stop thinking about a particular idea or topic is known as ------behaviour.<br>(a) OCD<br>(b) ADHD<br>(C) PCOD<br>(D) Fugues | 1 | Information |
| 11 | What is meant by well-being? | 2 | Understanding |
| 12 | What is exorcism? | 2 | Understanding |
| 13 | Explain the term schizophrenia? | 2 | Information |
| 14 | Explain separation binge eating? | 2 | Information |
| 15 | Explain separation anxiety disorder | 3 | Critical thinking |
| 16 | Discuss somatoform disorder. | 3 | Critical thinking |
| 17 | Describe the symptoms of any two anxiety disorder. | 3 | Information |
| 18 | Classify the symptoms of eating disorder. | 3 | Understanding |
| 19 | Explain the different psychological models used to explain abnormal behaviour? | 6 | Critical thinking |
| | Raman was a 28 years old single male who, at the tim entered treatment, suffered from severe obsessive thought images about causing harm to others such as running pedestrians while he was driving. He also had severe obses that he would commit a crime such as robbing a sto poisoning family members or friends. These obsessions wer accompanied by lengthy and excessive checking rituals example one day when he drove, he began obsessing th had caused an accident and hit a pedestrian at an interse and he felt compelled to spend several hours driving and w around all parts of that intersection to find evidence accident.<br>At the time Raman went to an anxiety disorder clinic, he w longer able to live by himself after having lived alone for s years since college. He was a very bright young mar considerable artistic talent. He had finished college prestigious school for the arts and had launched a succ career as a young artist when the obsession began in his 20s. At first, they were focused on the possibility that he wo implicated in some crime that he had committed; later evolved t the point where he was afraid that he might a commit a crime and confess to it. The checking ritual avoidance of all the places where such confessions might eventually led to his having to give up his career and hi apartment and move back in with his family.<br>Answer the questions given below based on the case. | | |
| 20 | What are obsessions? | 2 | Critical thinking |
| 21 | What are compulsions? | 2 | Critical thinking |

**Subject: Physical Education**

**Allotment Date: 31 August 2024**        **Assignment No. :03**

| S.No. | QUESTIONS | MARKS | NATURE |
|---|---|---|---|
| Part- A | **Answer the following questions:** | 4X2=8 | |
| 1. | Which organization primarily focuses on athletes with intellectual disabilities?<br>a) Paralympics<br>b) Deaflympics<br>c) Special Olympics<br>d) Invictus Games | 2 | Understanding |
| 2. | Which year marked the first official Paralympic Games?<br>a) 1948<br>b) 1960<br>c) 1972<br>d) 1980 | 2 | Understanding |
| 3. | Which of the following is a primary source of carbohydrates?<br>a) Eggs<br>b) Rice<br>c) Fish<br>d) Chicken | 2 | Knowledge |
| 4. | Which vitamin is crucial for blood clotting?<br>a) Vitamin A<br>b) Vitamin B12<br>c) Vitamin K<br>d) Vitamin D | 2 | Knowledge |
| Part- B | **Answer thefollowing questions in 60 to 90 words:** | 4X3=12 | |
| 1. | Why is a pre-competition meal important for athletes? | 3 | Understanding |
| 2. | Why is it important to adapt physical activities for children with special needs? | 3 | Application |
| 3. | What is a balanced diet? | 3 | Understanding |
| 4. | What types of food or drinks are recommended during prolonged sports activities? | 3 | Understanding |
| Part- C | **Answer the following questions in 150 to 180 words** | 4X5=20 | |
| 1. | Describe a method to adapt a team sport, such as basketball, for children with special needs. | 5 | Understanding |
| 2. | Discuss the role of macronutrients and micronutrients in a balanced diet. How can they be sourced from everyday foods? | 5 | Understanding |
| 3. | Explain the concept of inclusion in sports and discuss its significance in promoting equality and diversity. | 5 | Knowledge |
| 4. | What role do peer support and collaboration play in making physical activities accessible for children with special needs? | 5 | Analytical |
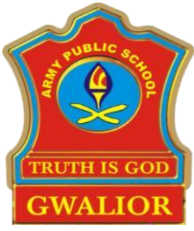
**Subject: NCC**
**Allotment Date: 31 August 2024**                          **Assignment No.: 3**

| S. NO. | QUESTIONS | MARKS | NATURE |
|---|---|---|---|
| 1 | What is the correct command for standing at ease? <br> a) Attention <br> b) Stand at Ease <br> c) Parade Rest <br> d) Fall in | 1 | Knowledge |
| 2 | How many steps are there in a standard drill marching pace? <br> a) 10 steps per minute <br> b) 60 steps per minute <br> c) 120 steps per minute <br> d) 160 steps per minute | 1 | Knowledge |
| 3 | In NCC, what does the command "Savdhan" mean? <br> a) Attention <br> b) At ease <br> c) About turn <br> d) Quick march | 1 | Knowledge |
| 4 | What is the purpose of the drill? <br><br> a) Losing weight <br> b) Learning hindi <br> c) Wearing smarts and correcting turnout <br> d) Table learning | 1 | Knowledge |
| 5 | The length of the step in a fast speed in- <br> a) 40 Inches <br> b) 30 inchs <br> c) 35 inches <br> d) None of these | 1 | Knowledge |
| 6 | What is the distance maintained between two cadets in a file during drill? <br> a) 60 cm <br> b) 75 cm <br> c) 80 cm <br> d) 100 cm | 1 | Knowledge |
| 7 | Which leg is moved first when the command "Quick March" is given? <br> a) Left leg <br> b) Right leg <br> c) Both legs together <br> d) None of the above | 1 | Knowledge |
| 8 | What is the primary objective of the drill in NCC? <br> a) To develop discipline and coordination <br> b) To increase physical strength <br> c) To improve shooting skills <br> d) To enhance academic performance | 1 | Knowledge |

| 9 | Where did the drill start?<br>   a) India<br>   b) Germany<br>   c) Africa<br>   d) Japan | 1 | Knowledge |
|---|---|---|---|
| 10 | Which command is used to stop marching?<br>   a) Halt<br>   b) Fall out<br>   c) Slow march<br>   d) Stand easy | 1 | Knowledge |
| 11 | What are the two parts of a word of command? | 2 | Understanding |
| 12 | What is the aim of a Drill ? | 2 | Understanding |
| 13 | What is the importance of a well sized squad? | 3 | Analyzing |
| 14 | What is the purpose of 'khuli line chal" ( open order )? | 3 | Analyzing |
| 15 | What does 'Snap' express in a command? | 4 | Application |
| 16 | What is the purpose of the side pace ? | 4 | Application |
| 17 | Explain the concept of "Sajja"(dressing) in drill in detail. | 6 | Remembering |
| 18 | What do you understand by 'dheere chal' (slow march) ? When is it required? | 6 | Remembering |

**Subject: Painting**
**Allotment Date: 31 August-2024**                         **Assignment No.: 3**

| S.NO. | QUESTIONS | MARKS | NATURE |
|---|---|---|---|
| Q.1 | **Section: A** <br> **Choose The Correct Answer:** <br> a. Which is not a Deccan Sub School? <br> (a) Hyderabad (b) Ahmadnagar <br> (c) Bijapur (d) Gharwal | 1 | Information |
| | b. Persian delicacy can be seen in the illustrated border with Calligraphy above and below- <br> (a) Marriage Procession of Dara Shikoh. <br> (b) Kabir&Raidas. <br> (c) Chand bibi Playing Polo. <br> (d) HazratNizamuddinAulia& Amir Khusro. | 1 | |
| | c. Who is Playing Music? <br> (a) HazratAulia(b)Kabir (c) Raidas(d) Amir Khusro | 1 | |
| | d. Identify the Painting from the statement-"The Colours are soothing and tones are subdued to suit the spritual aura of the two great Sufi Peronalities"? <br> (a) Marriage Procession of Dara Shikoh. <br> (b) Poet in garden. <br> (c) Krishna on a swing. <br> (d) HazaratNizamuddinAulia and Amir Khusro. | 1 | |
| | e. In which painting Mughal artists had achieved mastery in creating crowded composition? <br> (a) Krishna lifting mount Govardhana. <br> (b) Kabir&Raidas. <br> (c) Falcon on a Bird rest. <br> (d) Marriage Procession of Dara Shikohki Barat. | 1 | |
| | f. Perspective is painstakingly depicted in the line of figures on the left decreasing in size on a receding ground? <br> (a) Krishna lifting Mount Govardhana. <br> (b) Kabir&Raidas. <br> (c) Falcon on a Bird rest. <br> (d) Marriage Procession of Dara Shikohki Barat. | 1 | |
| | **Section : B** <br> Evaluate the compositional arrangement of following in short: | 2 | Evaluation |
| Q. 2 | | 2 | |
| Q. 3 | Marriage procession of Dara Shikohki Barat. | 2 | |
| Q. 4 | Krishna Lifting Mount Govardhana. | 2 | |
| Q. 5 | Chand Bibi playing Polo. | 2 | |
| Q. 6 | HazaratNizamuddinAuliya and Amir Khusro | 2 | |

| | | | |
|---|---|---|---|
| | Falcon on Bird rest. | | |
| **Q.7** | **Section : C**<br>Write a brief notes on any two of the following:<br>(a) The main characteristics of Deccan School of Art.<br>(b)  Main features of Mughal School of Art. OR | 6<br><br>6 | **Anaytical Skill** |
| | Write Origin & development of Deccan School of Art. | | |

**Subject: Computer Science**

**Allotment Date: 31 August 2024**         **Assignment No.: 3**

| Q No. | Questions<br>Section-A (11 Marks) | Marks |
|-------|----------------------------------|-------|
| 1 | What will be the output of the following Python code ?<br><br>a = [10,23,56,[78, 10]]<br><br>b = list(a)<br><br>a[3][0] += 17<br><br>print(b)<br><br>   a)  [10, 23, 71, [95, 10]]<br>   b)  [10, 23, 56, [78, 25]]<br>   c)  [10, 23, 56, [95, 10]]<br>   d)  [10, 34, 71, [78, 10]] | 1 |
| 2 | What will be the output of the following Python code ?<br><br>lst1 = "hello"<br><br>lst2 = list((x.upper(), len(x)) for x in lst1)<br><br>print(lst2)<br><br>   a)  [('H', 1), ('E', 1), ('L',1), ('L',1), ('O', 1)]<br>   b)  [('HELLO', 5)]<br>   c)  [('H',5), ('E', 5), ('L',5), ('L',5), ('O', 5)]<br>   d)  Syntax error | 1 |
| 3 | What will be the output of the following Python code ?<br><br>lst = [3, 4, 6, 1, 2]<br><br>lst[1:2] = [7,8]<br><br>print(lst)<br><br>   a)  [3, 7, 8, 6, 1, 2]<br>   b)  Syntax error<br>   c)  [3, [7, 8], 6, 1, 2] | 1 |

| | | |
|---|---|---|
| | d)  [3, 4, 6, 7, 8] | |
| 4 | What will be the output of the following Python code snippet ?<br><br>k = [print(i) for i in my_string if i not in "aeiou"]<br><br>    a)  prints all the vowels in my_string<br>    b)  prints all the consonants in my_string<br>    c)  prints all characters of my_string that aren't vowels<br>    d)  prints only on executing print(k) | 1 |
| 5 | Which of the following is the correct expansion of list_1 = [expr(i) for i in list_0 if func(i)] ?<br><br>(a)<br><br>list_1 = []<br><br>for i in list_0:<br><br>   if func(i):<br><br>     list_1.append(i)<br><br>(b)<br><br>for i in list_0:<br><br>   if func(i):<br><br>     list_1.append(expr(i))<br><br>(c)<br><br>list_1 = []<br><br>for i in list_0:<br><br>   if func(i):<br><br>     list_1.append(expr(i))<br><br>(d) none of these | 1 |
| 6 | Two devices are in network if<br><br>    a)  a process in one device is able to exchange information with a<br>        process in another device<br>    b)  a process is running on both devices | 1 |

| | | |
|---|---|---|
| | c) the processes running of different devices are of same type <br> d) none of the mentioned | |
| 7 | What is a standalone computer ? <br><br> a) A computer that is not connected to a network <br> b) A computer that is being used as a server <br> c) A computer that does not have any peripherals attached to it <br> d) A computer that is used by only one person | 1 |
| 8 | Which of the following statements about a network is FALSE ? <br><br> a) Resources such as printers can be shared <br> b) Viruses can spread to other computers throughout a computer network <br> c) Files cannot be shared between users <br> d) Communication becomes easier with nodes | 1 |
| 9 | Central Computer which is powerful than other computers in the network is called as ............... <br><br> a) Client <br> b) Server <br> c) Hub <br> d) Switch | 1 |
| | Q10and11areASSERTIONANDREASONINGbasedquestions. Markthecorrectchoice as <br> (a) BothAandR aretrueand R isthecorrectexplanationforA <br> (b) BothAandRaretrueand R isnotthecorrectexplanationfor A <br> (c) Ais True butRisFalse <br> (d) AisfalsebutR isTrue | |
| 10 | **Assertion**. A linear list refers to a named list of finite number of similar data elements. <br> **Reason**. Similar type of elements grouped under one name make a linear list. | 1 |
| 11 | **Assertion**. A list having one or more lists as its elements is called a nested list. <br> **Reason**. Two or more lists as part of another data structure such as dictionaries or tuples, create nested lists. | 1 |
| Q No. | Questions <br> Section-B (8 Marks) | Marks |
| 12 | What are data structures ? Name some common data structures. | 2 |
| 13 | Is data structure related to a data type ? Explain. | 2 |
| 14 | What do you understand by linear and non-linear data structures ? | 2 |
| 15 | Name some linear data structures. Is linked list a linear data structure ? | 2 |

| Q No. | Questions | Marks |
|---|---|---|
| | **Section-C (12 Marks)** | |
| 16 | What is the working principle of data structures stack and queues ? | 3 |
| 17 | What is a linear list data structure ? Name some operations that you can perform on linear lists. | 3 |
| 18 | Suggested situations where you can use these data structures:<br><br>(i) linear lists<br><br>(ii) stacks<br><br>(iii) queues | 3 |
| 19 | What is a list comprehension? How is it useful? | 3 |
| **S No.** | **Questions** | **Marks** |
| | **Section-D (4 Marks)** | |
| 20 | Enlist some advantages of list comprehensions. | 4 |
| **S No.** | **Questions** | **Marks** |
| | **Section-E (5 Marks)** | |
| 21 | In which situations should you use list comprehensions and in which situations you should not use list comprehensions ? | 5 |
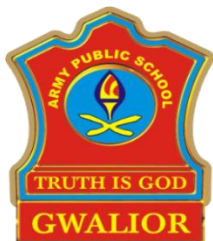
**Subject:** Health and Physical Education
**Allotment Date: 31 August 2024**                    **Assignment No.: 3**

| S.NO. | QUESTIONS | NATURE | MARKS |
|-------|-----------|--------|-------|
| 1 | MCQ<br>A) How many players from each team are allowed to be on the field?<br>i. 7<br>ii. 5<br>iii. 6<br>iv. 8 | Understanding) | 5×1=5 |
| | B) Which Ukrainian (Soviet) player, was elected by International Handball Federation as a female player of the century, and won the 1976 and 1980 Olympic gold medal?<br>i. Anja Andersen<br>ii. Waltraud Kretzschmar<br>iii. SinaidaTurtschina<br>iv. Svetlana Kitic | Informatory | |
| | C) Penalties are thrown from what distance?<br>i. 9 m<br>ii. 7m<br>iii. 4m<br>iv. 11m | Analytical | |
| | D) Which team won the European Champion Cups from 1996-2000?<br>i. Zagreb<br>ii. Kiel<br>iii. Barcelona<br>iv. Magdeburg | Informatory | |
| | E) Who is Babacar Fall?<br>i. Architect of African Handball<br>ii. Italian Handball coach<br>iii. American Handball player<br>iv. Former president of European Handball Federation | Understanding | |
| 2. | Players may only take_____ steps after catching the Ball. | Understanding | 3X1=3 |

| | | | |
|---|---|---|---|
| | Players may only take_____ steps after catching the Ball. | Understanding | |
| | Players may only hold onto the ball for_____ seconds. | Understanding | |
| **3.** | True or false: - <br><br> The game begins with a jump ball. | Understanding | 2 X1= 2 |
| | Violations mean a free shot is taken. | Understanding | |