

St. Joseph's Degree & PG College

B.Com (General/Computers) B.Sc (MECs /MPCs / MSCs/ BA(MassCom & JPE)/ BBA (General)

I year – Semester- I

End Semester Examinations March 2021 (November 2020 Cycle)

Subject: English – I

Subject ID :ENGIN20

Date :04-03-2021

Max.Marks:60

Time: 2hrs 30 minutes

SECTION- I

I. Answer any FIVE of the following questions in about 50-75 words

(2x5=10M)

1. Why do dreams need to be protected? What are the ‘too rough fingers’ of the world?
2. Who was Ratan? Give a brief character sketch of Ratan?
3. What was Aunt Jane’s initial reaction after viewing the new possessions of the couple?
4. How is Hope reflected in the poem Still I Rise?
5. What are the qualities required for writing “well” according to L.A.Hill?
6. Explain the following lines:
*I'm a black ocean, leaping and wide,
Welling and swelling I bear in the tide.*
7. Explain the following lines:
*Life is like a broken winged bird
That cannot fly.*
8. What was the strategy of the couple to repay the loans?

II. Read the following passage and answer the questions below:

(5 x 1 = 5M)

**You may shoot me with your words,
You may cut me with your eyes,
You may kill me with your hatefulness,
But still, like air, I'll rise.**

1. Name the poem and the poet.
2. What is the figure of speech used?
3. Whom does ‘You’ in the poem refer to?
4. Write the synonym of ‘rise’.
5. Write the antonym of ‘hate’.

III. Read the following passage and answer the questions below:

(5 x 1 = 5M)

In order to increase your vocabulary and to improve your powers of expression, you should read widely and carefully, and keep a notebook in which to write down words and expressions that particularly strike you/ for example, sparkle, glitter, twinkle, blame, glean, butcher blue eyes, relax into delicious indolence. Use a good dictionary to help you with the exact meaning and uses of words.

1. Name the lesson and the writer.
2. What should one do to improve one’s vocabulary?
3. Make a sentence with the word “delicious”?
4. Write the synonym of the word ‘exact’.
5. Write the antonym of the word ‘carefully’.

Section - II

IV. Answer any TWO questions out of the four in about 200 words:

(2x5 = 10M)

1. What is Goal Setting? Explain SMART goals?
2. Write a note on planning.
3. What is Positive Thinking? Explain the benefits of positive thinking at workplace?
4. Write in brief note on Change Management?

Section – III

V. Answer the following

- a. Develop the following hints into a paragraph on “Overuse of mobile phone” in about 150 words:**

(5M)

Hints: Overuse of mobile gadgets hampers students ability to sleep, study..., loss of focus... strain in relationships..., mental health

- b. Choose the correct form of the verb:**

(5M)

1. The faculty----(is/are) going to attend the seminar.
2. They ----(have/has) no classes tomorrow.
3. The boys----(walk/walks) to school every day.
4. Everybody ----(was/were) asked to remain quiet.
5. Neither Bob nor George---(is/are) leaving.

- c. Choose the correct form of parts of speech**

(5M)

1. She couldn't control her----- (excite).
2. The students projects were----- (attract).
3. One must be -----to their parents (obey).
4. The president was----- to the party (invite).
5. We should spread----- about COVID (aware).

- d. Punctuate the following paragraph:**

(5M)

winston is one of the most laid-back people i know he is tall and slim with black hair and he always wears a t-shirt and black jeans his jeans have holes in them and his baseball boots are scruffy too he usually sits at the back of the class and he often seems to be asleep however when the exam results are given out he always gets an "A" i don't think hes as lazy as he appears to be

- e. Describe the picture given below:**

(5M)



- f. Write an Essay on “How online education has helped during lockdown”.**

(5M)

St. Joseph's Degree & PG College

B.Com (Honors/ Prof / IT/ IFA) BBA (IT /Analytics /Entrepreneurship /Financial Markets)

I year - Semester I

End Semester Examinations March 2021 (November 2020 Cycle)

Subject: Functional English I

Subject ID :FUNIN20

Date :04-03-2021

Max.Marks:60

Time: 2hrs 30 minutes

SECTION A

1. Answer any 5 in about 75 words.

5X2=10

1. How does Bronowski defend Science and Scientists in the essay "Sense of Future"?
- 2 What according to Narayan Murthy should young graduates do to acquire excellence?
- 3 Why, according to Narayan Murthy, is there a need for Excellence in India?
- 4 What is the central idea of the poem "Telephone Conversation"?
- 5 Give the character sketch of the White land lady in the poem "Telephone Conversation".
- 6 What does Hellen Keller wish to see on the Second day of her sight?
- 7 Why does Hellen Keller say that you should "live like there is no tomorrow"?
- 8 Why does Kirkup say no men are foreign?

II. Read the following passage and answer the questions that follow:

5X1=5

As cases of coronavirus COVID-19 are rising in the country, social media accounts are abuzz with several messages about the deadly virus, but many of these information are baseless. Infection: The virus infects the epithelial cells in the throat and lungs. The virus enters through the by nasal passage, eyes and mouth. Our hands are the main instruments that take the virus to reach our mouth, nose and eyes. Washing hands with soap water for 20 seconds as often as possible helps prevent the infection. Infectious period: Length of time an individual can transmit the infection to others is not known precisely, but possibly up to 10-14 days. Artificially reducing the contagious period is a crucial method of reducing overall transmission. Hospitalisation, isolation, lockdown and quarantine are all effective methods. Who can infect: Anyone infected with the virus can infect even before the symptoms appear. Most carriers do not even show signs. Covering our mouth and nose when we cough or sneeze will help reduce the infection. The virus is present in the saliva, sputum and faeces of the infected person for the whole infectious period.

1. Which cells are infected due to Covid?
2. What are ways for virus to enter into human body?
3. What are the effective ways to contain Covid-19?
4. Where can the virus be located in the person?
5. Give three side-headings under which the passage can be arranged.

SECTION-B

I. Answer any two in 200 words :

2x5=10M

1. Make a note on Emotional Intelligence.
2. Write briefly about Workplace Etiquette.
3. Significance of Non-verbal communication
4. Points to be kept in mind while having a telephone conversation.

SECTION-C

III Answer the following questions:

7X5= 35M

1. Write a report on any one of the following.

a. A report on your online orientation program of the college

Or

b. A report on Fall in the sales of “Live More” super market.

2. Business letter- Enquiry

Write a letter to “Trust” Cloth manufacturing Ltd. enquiring about their terms and conditions for placing an order for 300 masks for your office staff.

3. Business Letter – (complaint)

Write a letter of complaint to the Manager of Vibrant Bio Ltd stating that the wrong parcel of 50 sanitisers with mint flavour has to be replaced with a parcel of 65 sanitisers with orange flavour urgently within 7 days.

4. Memo

Assume you are the Manager of the marketing division of Procter Ltd. Write a memo to the Assistant Manager (send cc to all section heads) about a Meeting to be conducted on the Sales Review and Marketing Strategies during Covid on 1 April 2021 at 7:00 p.m in the office conference Hall.

5 . Read the following passage and make notes.

Coronaviruses were discovered in the 1960s. They are a group of viruses that cause diseases in mammals and birds. In humans, coronaviruses cause respiratory tract infections that are typically mild, such as the common cold. The name "coronavirus" is derived from the Latin *corona*, meaning crown or halo. The name refers to the characteristic appearance of the infective form of the virus, which is reminiscent of a crown or a solar corona. At the end of 2019, a new type of coronavirus started spreading in China. This type of coronavirus is often called 2019-nCoV, *novel coronavirus*, or *COVID-19*. It is believed that the virus was transmitted from animals to humans. Some of the symptoms of the coronavirus are fever, cough, runny nose, sore throat, headache, and trouble breathing. These symptoms are very much like those people have with a cold or the flu. The virus can be more serious in some people, especially if they are sick or have health problems. The virus appears to spread mainly from person to person. The transmission occurs when someone comes into contact with an infected person. For example, a cough, sneeze or handshake could cause transmission. The spread may also be caused by coming into contact with something an infected person has touched and then touching your mouth, nose or eyes. There is no specific vaccine or medication to cure the disease, but generally, symptoms will go away on their own. However, experts recommend seeking medical care early if symptoms feel worse than a standard cold. Doctors can relieve symptoms by prescribing pain or fever medication. As far as antibiotics are concerned, they are useless to treat coronavirus.

6. Assume you are a student having a telephone conversation with your class teacher regarding your doubt clarifications about writing an online exam since you are taking an online exam for the first time.
(Seven exchanges)

7. Describe the following picture in 150 words



St.Joseph's Degree & PG College

B.Com(General / Computers) B.Sc(MECs,MPCs,MSCs) B.A(MassCom,JPE) BBA(Gen)

I year - Semester I

End Semester Examinations March 2021 (November 2020 Cycle)

Subject: Arabic – I

Subject ID : SLAN20

Max.Marks:60

Date :05-03-2021

Time: 2hrs 30 minutes

I. Answer all questions:

(5x12=60 Marks)

1. a) Write the “Characteristic Features Of Arabic Language” (مميزات اللغة العربية) . (12M)

(OR)

- b) i) Write a note on Muallaqat (المعلقات) (6M)
ii) Write a note on “Love Poetry” (6M)

2. a) Explain the Tafseer of Sura –e- Teen “سورة التين” in detail: (12M)

(OR)

- b) i) Translate and explain the following verse with reference to context (6M)
الم نشرح لك صدرك . و وضعنا عنك وزرك .
ii) Translate and explain with reference to context of the given verse. (6M)
و العصر . ان الانسان لفي خسر .

3. a) Explain the summary of the lesson “The Cleanliness” Al- Nazafa “النظافة” . (12M)

(OR)

- b) i) Translate the following passage in English: (6M)

الأول:السلام عليكم الثاني:و عليكم السلام رحمة الله و بركاته
الأول:كيف حالك؟ و ما اسمك يا أخي؟ الثاني:الحمد لله بخير إسمي عبد الله و اسمك؟
الأول:إسمي عبد الرحمن أنا طالب جديد عبد الله:من أين أنت؟
عبد الرحمن :أنا من اليمن.

- ii) Answer the following questions in Arabic: (6M)

1) من يهتمون بالنظافة العامة؟ 2) ماذا يفعل عبدالله بعد صلاة الفجر؟ 3) ما اسم ابى عبدالرحمن؟

4. a) Define with examples المذكر و المؤنث Masculine &Feminine Gender. (12M)

(OR)

- b) i) Define Parts of Speech “أقسام الكلمة” with Arabic examples (6M)

- ii) Define النكرة و المعرفة Definite &Indefinite Noun with all example (6M)

5. a) Translate the given Passage in English .

(12M)

الجرسون : اهلا و سهلا يا سيدى . ماذا تود ان تاخذ؟

جمال : اولا ارنى قائمة الماكولات .

الجرسون : ها ك القائمة يا سيدى .

الجرسون : ما ذا تفضل يا سيدى؟

جمال : هل عندكم دجاج مقلي ؟

الجرسون : نعم يا سيدى عندنا دجاج مقلي و دجاج بالفرن ايضا .

جمال : انا اخذ دجاجا مقليا .

(OR)

b) i) Translate the following sentences in Arabic:

(6M)

1) Good Morning.

2) How are you?

3) Thank you very much.

ii) Write the meanings of the given Arabic words in English.

(6M)

1) جامعة (2) الماكولات (3) الاسبوع الماضي (4) الهاتف (5) القائمة (6) الجرسون

St.Joseph's Degree & PG College

B.Com (Gen,Comp) B.Sc (MECs,MPCs,MSCs) BA (MassCom,JPE), BBA (Gen)
End Semester Examinations March 2021 (November 2020 Cycle)

Subject: French

Subject ID : SLFN20

Date :05-03-2021

Max.Marks:60

Time: 2hrs 30 minutes

1. Conjuguez les verbes entre parenthèses au temps indiqué (20 X ½ = 10) 10 (le présent et le futur proche)

1. Je ----- de 10h à 17h. (travailler - futur proche)
2. Ils ----- avec vous. (venir – présent)
3. Pradeep ----- à une interviewe. (aller – futur proche)
4. Elle ----- préparer un gâteau. (finir - présent)
5. Mon ami ne ----- pas bien. (se raser- futur proche)
6. Elle ----- beaucoup l'ordinateur. (utiliser- présent)
7. Ils ----- le train. (prendre – futur proche)
8. Nous ----- « Diwali ». (fêter -présent)
9. Nous ----- les repas de famille. (aimer – présent)
10. Elles ----- la banque à 17h. (quitter – futur proche)
11. Je ----- porter les lunettes. (détester- présent)
12. Vous ----- dans une jolie maison (habiter – futur proche)
13. Elles ne ----- pas les examens le lundi. (écrire- futur proche)
14. Julie ----- à sa mère. (ressembler – présent)
15. Les Legrand ----- le travail à 8 h 30. (commencer- futur proche)
16. Noël ----- en décembre. (être- présent)
17. Marie ----- beaucoup. (voyager – présent)
18. Les enfants ----- dans le parc. (jouer – future proche)
19. Vous ----- à 6h. (se lever – présent)
20. Ils ----- bien. (danser- future proche)

2. Complétez les phrases avec un adjectif (10 x ½ = 5) 5

1. C'est une ----- école. (bon)
2. Elle est ----- . (méchant)
3. Helene n'est pas ----- . (marié)
4. Elles achètent un sari----- . (blanc)
5. Prateek porte un ----- pantalon. (long)
6. Il achète une ----- tarte. (gros)
7. Les petites filles sont très ----- . (joli)
8. La rue est ----- (large).
9. Les tables sont ----- . (lourd)
10. La montre est ----- . (rectangulaire)

3. Complétez avec un article défini ou indéfini : (10 x ½ = 5) 5

1. Tous ----- jours je vais au collège.
2. Il regarde --- films hindis.
3. Paris est ----- très belle ville.
4. Elle achète ----- roses.
5. Voilà ----- voiture de Paul.
6. Tu écris ----- lettre à Marc.
7. Il prend ----- café. .
8. Vous regardez ----- fleurs.
9. Je lis toutes ----- leçons.

10. Il y a ----- hôpital à Koti.

4. Mettez les phrases au comparatif (10 X 1 =10)

1. Paul (+ intelligent) Michael
2. La physique (+ difficile) les Maths
3. Les roses (+ fraîches) les jasmins
4. Mme. Roche (- belle) sa fille
5. Le voyage en avion coute (+cher) le voyage en tram
6. L'école de Paul (+proche) l'école de Marie
7. Le gâteau au chocolat (+ délicieux) le gâteau d'ananas
8. La robe rouge (+ chere) la jupe noire
9. Les garçons (= méchants) les filles
10. La règle (+ long) la craie

5. Ecrivez / rédigez un paragraphe/ un dialogue sur un des sujets (10 phrases) 10

1. Présentez votre meilleur(e) ami(e)
2. Ma journée
3. Présentez votre acteur favori

6. Traduisez en anglais (1/2 x 10) 5

- a. Non, merci. b. C'est Paul. c. Venez ici ! d. Bonjour ! e. Aurevoir !
f. Elle est grosse.g. Désolé ! h. J'invite mes amis. i. A demain. j. Pardon.

7. Reconstituez les phrases (10 1x 10) 10

Ex : non/ suis / je / infirmière -- Non, je suis infirmière.

1. s'appelle / Mme. Lenoir / elle
2. la / à / bibliothèque / elle / est
3. belle/ est / très / c'
4. nationalité / est / votre / quelle ?
5. français / parle / il
6. un / est / acteur/ c'
7. à / habite/ Koti / elle
8. prie/ je / vous / en
9. chinoise/ est / elle
10. la / regarde/ télévision / Rupa

8. Chassez l'intrus (10 au choix 1/2 x 10) 5

1. L'oreille, l'œil, le nez, la jambe
2. orange, pomme, raisin, chou
3. table, chaise, banc, fruit
4. Lundi, samedi, vendredi, Paris
5. Paris, Hyderabad, Warangal, montagne
6. danseur, avocat, chanteur, peintre
7. le mari, le père, l'oncle, la fille
8. table, chaise, banc, rose
9. un, dix, trente, kilo
10. mars, avril, crayon, juin

St.Joseph's Degree & PG College

B.Com(Gen,Comp) B.Sc(MECs,MPCs,MSCs) B.A(MassCom,JPE) BBA(Gen)

I year - Semester I

End Semester Examinations March 2021 (November 2020 Cycle)

Subject: Hindi

Subject ID : SLHN20

Max.Marks:60

Date :05-03-2021

Time: 2hrs 30 minutes

Answer the following questions

5x12=60

सूचना :: सभीप्रश्नोंकेउत्तरलिखनाअनिवार्यहै।

1 अ) " चरित्रसंगठन " पाठकासारांशलिखिए। 12M

या

आ)संदर्भसहितव्याख्याकीजिए।

A.पैसापावरहै।परउसकेसबूतमेंआस-पासमाल – टालनजमा होतोक्यावहखाकपावरहै। 6M

B.माताअपनेसबपुत्रोंकोसमानभावसेचाहतीहै।इसीप्रकारपृथिवीपर परबसनेवालेजनबराबरहैं। 6M

2.निम्नलिखितप्रश्नोंकेउत्तरदीजिए। 12M

अ)" राष्ट्रकास्वरूप"शीर्षकनिबंधपाठकासारांशसरलभाषामेंप्रस्तुतकीजिए।

या

आ)A. भाभीकेजीवनकीसमस्याओंपरप्रकाशडालिए।. 6M

B.चूरनबालेभगतजीपरबाजारकाक्योंप्रभावनहीपड़ा।इसकथनकीव्याख्या कीजिए। 6M

3.निम्नलिखितप्रश्नोंकेउत्तरदीजिए। 12M

अ)".चीफकीदावत" कीकहानीकासारांशलिखिए।

या

आ)A. दुःखीचमारकाचरित्रचित्रणकीजिए।. 6M

B.शामनाथकाचरित्रचित्रणकीजिए। 6M

4.निम्नलिखितप्रश्नोंकेउत्तरदीजिए। 12M

अ)"छोटाजदुगर" कहानीकासारांशलिखिए।

या

आ) A. रामुकी बहूबिल्ली की हत्या क्यों करना चाहती थी? वर्णन कीजिए। 6M

B. राष्ट्र के निर्माण में किन अंगों का होना आवश्यक है? वर्णन कीजिए। 6M

5. निम्नलिखित प्रश्नों के उत्तर दीजिए।

6 × 2 = 12

अ) A. किन्हीं 6 वाक्यों को एक बचन से बहुवचन में बदलकर लिखिए।

B. किन्हीं 6 शब्दों को वाक्यों में प्रयोग कीजिए।

या

आ) A. किन्हीं 6 शब्दों को हिन्दी में अनुवाद कीजिए।

6 × 2 = 12

B. किन्हीं 6 हिन्दी शब्दों का अंग्रेजी में अनुवाद कीजिए।

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B.Com(Gen,Comp) B.Sc(MECs,MPCs,MSCs) B.A(MassCom,JPE) BBA(Gen)

I year - Semester I

End Semester Examinations March 2021 (November 2020 Cycle)

Subject: Sanskrit

Subject ID : SLSN20

Max.Marks:60

Date :05-03-2021

Time: 2hrs 30 minutes

Answer the following questions

5x12=60

1.(A) "मुदाभिषेकतुं वरद त्वमर्हसि" इति पाठ्यांशस्य सारांशं लिखत ।

(12M)

OR

(B) i) ससन्दर्भं व्याख्यात ।

(6M)

- वृष्टीमन्तं महामेघं नर्दन्तमिव बर्हिणः ।

- सर्वस्य लोकस्य हिते निविष्टम् ।

ii) आङ्ग्लभाषायाम् अनुवादत ।

(6M)

- विदितं भवतामेतद् यथा मे राज्यमुत्तमम् ।

पूर्वकर्म राजेन्द्रैः सुतवत् परिपालितम् ॥

- रामः सत्पुरुषो लोके सत्यधर्मपरायणः ।

धर्मज्ञः सत्यसंघश्च शीलवाननयसूचकः ॥

2. (A) वानरमकरयोः कथां पञ्चतन्त्रमनुसृत्य वर्णयत ।

(12M)

OR

(B) i) विष्णुशर्मणः पञ्चतन्त्रस्य परिचयं कुरुत ।

6M

ii) ससन्दर्भं व्याख्यात ।

6M

- स एव दुर्गं तरति जलस्थो वानरो यथा ।

- षड्विधं प्रीति लक्षणम् ।

3. (A) 'एष धर्मः सनातनः' इति पाठ्यांशस्य सारांशं लिखत ।

(12M)

OR

(B) i) नीतिश्लोकानाम् अध्ययनेन किं प्रयोजनम् ।

6M

ii) आङ्ग्लभाषायाम् अनुवादत ।

6M

- अमन्त्रम् अक्षरं नास्ति नास्ति मूलम् अनौषधम् ।

अयोग्यः पुरुषो नास्ति योजकः तत्र दुर्लभः ॥

- प्रियवाक्यप्रदानेन सर्वे तुष्यन्ति जन्तवः ।

तस्मात् तदेव वक्तव्यं वचने का दरिद्रता ॥

- सत्यं ब्रूयात् प्रियं ब्रूयात् न ब्रूयात् सत्यमप्रियम् ।

प्रियञ्च नानृतं ब्रूयात् एष धर्मस्सनातनः ॥

4.(A). कवि, रमा, फलं शब्दरूपाणि सर्वासु विभक्तिषु लिखत ।

(12 M)

OR

(B) i) षट् पदानि नामनिर्देशपूर्वकं सन्धत ।

6M

कपि + ईशः, गै + अकः, सूर्य + उदयः,

वाक् + ईशः, तत् + टीका, इति + अत्र

ii) षट् पदानि नामनिर्देशपूर्वकं विघटयत ।
रामानुजः, एकेकः, कविश्च, वाङ्मयम्
गुरोराज्ञा, नराश्च

6M

5.(A) आङ्ग्लभाषायाम् अनुवादत ।

(12M)

- i) अहं फलानि खादामि ।
- ii) हरिः गृहं गच्छति ।
- iii) लता पुष्पैः लसति ।
- iv) शकटं चक्राभ्यां गच्छति ।
- v) वयं ज्ञानाय पठामः ।
- vi) धेनवः वत्सेभ्यः क्षीरं वितरन्ति ।
- vii) पर्वतात् नदी प्रवहती ।
- viii) समुद्रात् जनाः रत्नानि आनयन्ति ।
- ix) माता दुहितुः शिशुं लालयति ।
- x) यूयं धेनोः क्षीरं पिबथ ।
- xi) भेकाः वापीषु वसन्ति ।
- xii) लतासु कुसुमानि विकसन्ति ।

OR

(B) i) उत्तराणि देताना ।

6M

- अश्वाः किं चलन्ति?
- बालकः कथं चन्द्रम् आह्वयति?
- व्याघ्रः किमर्थं परिभ्रमति?
- कस्मात् अङ्कुरः प्ररोहति?
- यूयं कस्य शब्दमाकर्णयथ?
- देवाः कुत्र तिष्ठन्ति?

ii) आङ्ग्लभाषायाम् अर्थाः लिखत ।

6M

कपिः, सारथिः, क्षेपणी, वृषभः,
उद्यानं, व्रजन्ति, तरुः, पीठ ,
दुहिता, स्वसा, नीडं, डयते

St.Joseph's Degree & PG College

B.Com(Gen,Comp) B.Sc(MECs,MPCs,MSCs) BA(MassCom,JPE) BBA I year - Semester I
End Semester Examinations March 2021 (November 2020 Cycle)

Subject: Telugu

Subject ID :SLTN20

Max.Marks:60

Date :05-03-2021

Time: 2hrs 30 minutes

SECTION- I

I A.శకుంతల రాజ్యసభలో చేసిన ధర్మోపన్యాసమును వివరించండి.

12Marks

లేదా

B1. శివుడు పాలు తాగకపోవడానికి గొడగూచి ఊహించిన కారణాలను తెలపండి.

6Marks

2. గజేంద్రమోక్షము సందేశము వివరించండి .

6Marks

II A.బంగారం కన్నా ప్రేమ గొప్పదని గురజాడ కాసులు లో ఎలా నిరూపించాడు.

12Marks

లేదా

B 1.జయభేరి కవితలో శ్రీశ్రీ చెప్పిన అంశాలేవి?

6Marks

2. దాశరథి అంతర్నాదంలో ప్రకటించిన ఆత్మవిశ్వాసాన్ని వివరించండి.

6Marks

IIIA.యుగాంతం పాఠ్యభాగ సారాంశాన్ని సొంతమాటల్లో రాయండి.

12Marks

లేదా

B1. మామిడిపండు పుట్టుపూర్వోత్తరాలు దాని చరిత్రను వివరింపుము.

6Marks

2.మాఊరుపోయింది పాఠ్యభాగం లో రచయిత జ్ఞాపకాల్ని వివరించండి.

6Marks

IV ఈ క్రింది వానిలో ఒక దానికి వ్యాసరూప సమాధానం రాయండి.

12Marks

1.మీ జీవితం పై కోవిడ్ ప్రభావం.

2. వ్యక్తిత్వ వికాసం.

3.ఆత్మ నిర్భర భారత్.

V A.ఈ క్రింది వానిని మూడింటిని ససూత్రంగా వివరించండి.

6Marks

1.గురుపదేశము.

4. అత్యంతము.

2.మహేశ్వర.

5.మునీశ్వర.

3.ఏకై.

6.ఎవ్వని.

B. ఈ క్రింది వానికి మూడింటికి సమాస లక్షణ సమన్వయం చేయండి.

6Marks

1.రాముని బాణము.

4.ముల్లోకములు.

2. మం చి రాజు.

5.చంద్ర సూర్యులు.

3. భయ భక్తులు .

6.ముక్కంటి.

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St. Joseph's Degree & PG College

B. Sc- (MPCs/MECs/MSCs) - I Year - Semester I

End Semester Examinations March 2021 (November 2020 Cycle)

Subject: Mathematics (Differential Calculus)

Subject ID :DCL1301N20

Date :06-03-2021

Max.Marks:60

Time: 2hrs 30 minutes

Answer all the questions, each question carries 15 marks. 15X4 = 60 Marks

1. If $y^{1/m} + y^{-1/m} = 2x$, prove that $(x^2 - 1)y_{n+2} - (2n + 1)xy_{n+1} + (n^2 - m^2)y_n = 0$.

OR

2. State and prove Leibnitz's theorem

3. State and prove Cauchy's Mean Value theorem.

OR

4. Verify Rolle's Theorem, for the function $f(x) = (x - a)^m(x - b)^n$, m, n being positive integers, $x \in [a, b]$.

5. For the cycloid $x = a(t + \sin t)$, $y = a(1 - \cos t)$, prove that $\rho = 4a \cos\left(\frac{1}{2}t\right)$

OR

6. Find that the radii of curvature at a point of the curve $y^2(a - x) = x^2(a + x)$ at the origin

7. Show that the curvature of the point $\left(\frac{3a}{2}, \frac{3a}{2}\right)$ on the Folium $x^3 + y^3 = 3axy$ is $\frac{-8\sqrt{2}}{3a}$.

OR

8. Find the asymptotes of $x^3 + 2x^2y - xy^2 - 2y^3 + xy - y^2 - 1 = 0$.

St. Joseph's Degree & PG College

BA(JPE) I year - Semester I

End Semester Examinations March 2021 (November 2020 Cycle)

Subject: Introduction to Psychology

Subject ID :PSY1204N20

Date :08-03-2021

Max.Marks:60

Time: 2hrs 30minutes

Answer ALL the Questions.

(5 X 12 = 60 Marks)

1. a) Define Psychology. What is the Scope and Methods in Psychology
(or)
b) What is Systematic Observation? Write about any 3 Schools of Psychology.
2. a) Write in detail about the localization of Brain and Endocrine System.
(or)
b) Explain the structure of Neuron. Write about the Neurotransmitters.
3. a) What is Sensation? Explain the types of Sensation & Attention.
(or)
b) Define attention. Write in detail the factors affecting attention.
4. a) Define Perception. Explain Perceptual Constancy and Write about Errors in Perception.
(or)
b) Illustrate the different types of Monocular & Binocular cues.
5. a) Explain the characteristics & components of Emotion
(or)
b) Briefly explain the different approaches to Motivation.

St. Joseph's Degree & PG College

B.Sc (MECs) I year - Semester I

End Semester Examinations March 2021 (November 2020 Cycle)

Subject: Electronics – 1 (Circuit Analysis)

Subject ID :ELE1304N20

Date :08-03-2021

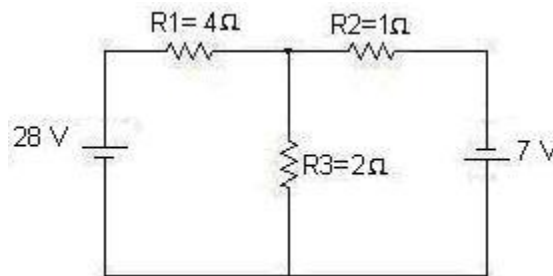
Max.Marks:60

Time: 2hrs 30minutes

Answer All the Questions. Each question carries 15 marks.

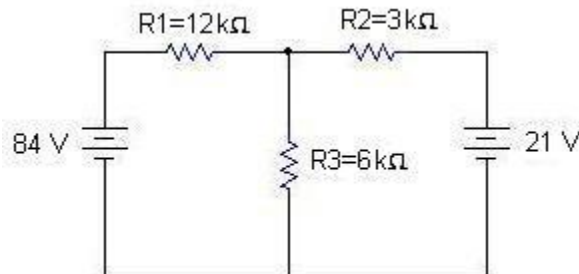
4x15M = 60M

1. A) State and explain KCL, KVL.
B) Explain steps involved in mesh current analysis method. Find the current through $4\ \Omega$ resistor using mesh current method



OR

- A) Explain steps involved node voltage analysis method.
B) Find the currents I_1 , I_2 and I_3 in the circuit given below using node voltage method



2. A) State and prove Thevenin's theorem.
OR
B) State and prove maximum power transfer theorem (AC).
3. A) Explain RC high pass filter. Draw the frequency response curve and figure out the cut-off frequency.
B) In a high pass filter $R = 1\text{ k}\Omega$ and $C = 0.1\ \mu\text{F}$. Calculate the lower cut of frequency of the filter.

OR

- A) Discuss the transient response of RC circuit with suitable diagrams
B) In a RC circuit $R = 10\text{ k}\Omega$ and $C = 0.1\ \mu\text{F}$ find out the time constant of the circuit.

4. A) Define resonance in ac circuits. Obtain an expression for the resonant frequency and Q-factor for a LCR series resonant circuit.

OR

- B). Define bandwidth. Obtain expression for the band width for a LCR parallel circuit.

St. Joseph's Degree & PG College

B.Sc (MPCs) I year - Semester I

End Semester Examinations March 2021 (November 2020 Cycle)

Subject: Physics – 1 (Mechanics)

Subject ID :PHY1303N20

Date :08-03-2021

Max.Marks:60

Time: 2hrs 30minutes

Answer All the Questions. Each question carries 15 marks.

4x15M = 60M

1. a) Explain Divergence of a vector field with example.
b) State and prove Gauss theorem of Divergence.
(OR)
c) What is curl of a vector field. Derive an expression for the curl vector.
d) If \vec{r} is the position vector of point. Prove that $\text{curl } \vec{r} = 0$.
2. a) Difference between elastic and inelastic collisions. Derive Rutherford's scattering formula.
b) A rocket burns 0.02Kg of fuel per second ejecting it as a gas with a velocity of 10,000 m/s. Find the force does the gas exert on the rocket.
(OR)
c) What is a symmetric top? Derive an expression for the angular velocity of precession of a symmetric top.
d) Explain the working of a gyroscope.
3. a) What are central forces? Give two examples. Show that central forces are negative gradient of potential energy.
b) Deduce equation of motion of a particle under influence of central force.
(OR)
c) State Kepler's laws. Derive second and third Kepler's laws of motion.
d) Explain about Coriolis forces and write its consequences.
4. a) Define inertial and non-inertial reference frames.
b) What are transformation equations? Derive the Lorentz transformation equations.
(OR)
c) State the postulates of special theory of relativity. Explain length contraction and time dilation.
d) Write a short note on Michelson Morley experiment.

St. Joseph's Degree & PG College

B.Sc (MPCs) I year - Semester I

End Semester Examinations March 2021 (November 2020 Cycle)

Subject: Physics – 1 (Mechanics)

Subject ID :PHY1303N20

Date :08-03-2021

Max.Marks:60

Time: 2hrs 30minutes

Answer All the Questions. Each question carries 15 marks.

4x15M = 60M

1. a) Explain Divergence of a vector field with example.
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(OR)
c) What is curl of a vector field. Derive an expression for the curl vector.
d) If \vec{r} is the position vector of point. Prove that $\text{curl } \vec{r} = 0$.
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St. Joseph's Degree & PG College

B.Sc (MPCs) I year - Semester I

End Semester Examinations March 2021 (November 2020 Cycle)

Subject: Physics – 1 (Mechanics)

Subject ID :PHY1303N20

Date :08-03-2021

Max.Marks:60

Time: 2hrs 30minutes

Answer All the Questions. Each question carries 15 marks.

4x15M = 60M

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b) State and prove Gauss theorem of Divergence.
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d) Explain about Coriolis forces and write its consequences.
4. a) Define inertial and non-inertial reference frames.
b) What are transformation equations? Derive the Lorentz transformation equations.
(OR)
c) State the postulates of special theory of relativity. Explain length contraction and time dilation.
d) Write a short note on Michelson Morley experiment.

St. Joseph's Degree & PG College

B.Sc (MSCs) I year - Semester I

End Semester Examinations March 2021 (November 2020 Cycle)

Subject: Statistics – I

DESCRIPTIVE STATISTICS, PROBABILITY AND RANDOM VARIABLES

Subject ID :DSP1302N20

Date :08-03-2021

Max.Marks:60

Time: 2hrs 30minutes

Answer All the Questions. Each question carries 15 marks.

4x15M = 60M

1. A) Define Central and Non-central Moments. Express the central moments in terms of non-central moments.

(OR)

- B) Calculate measures of Skewness based on Quartiles

C.I	0-100	100-200	200-300	300-400	400-500	500-600	600-700	700-800
Frequency	12	16	26	38	22	15	7	4

2. A) Three urns have white and black chips are as follows:

Urn No.	I	II	III
White Chips	6	3	1
Black Chips	4	7	9

An urn is chosen at random and a chip is drawn from it and is white.

What is the probability that it is from Urn-II

(OR)

- B) State and Prove the Baye's Theorem.

3. A) A random variable X has the following probability function.

Values of X, x	0	1	2	3	4	5	6	7	8
P(x)	a	3a	5a	7a	9a	11a	13a	15a	17a

- i) Determine the value of a ii) Find $P(X < 3)$ and $P(0 < X < 5)$

(OR)

- B) A continuous random variable X has the following probability law.

$$f(x) = \begin{cases} Ax^2, & 0 \leq x \leq 1 \\ 0, & \text{otherwise} \end{cases}$$

Determine i) A ii) Mean iii) $P(0.2 \leq x \leq 10.5)$

4. A) Define Mathematical Expectation. State and Prove Multiplication rule on Mathematical Expectation

(OR)

- B) Two unbiased dice are thrown. Find the expected value of sum of numbers of points on them. Also find the variance.

St. Joseph's Degree & PG College

B.Sc (MSCs) I year - Semester I

End Semester Examinations March 2021 (November 2020 Cycle)

Subject: Statistics – I

DESCRIPTIVE STATISTICS, PROBABILITY AND RANDOM VARIABLES

Subject ID :DSP1302N20

Date :08-03-2021

Max.Marks:60

Time: 2hrs 30minutes

Answer All the Questions. Each question carries 15 marks.

4x15M = 60M

1. A) Define Central and Non-central Moments. Express the central moments in terms of non-central moments.

(OR)

- B) Calculate measures of Skewness based on Quartiles

C.I	0-100	100-200	200-300	300-400	400-500	500-600	600-700	700-800
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Values of X, x	0	1	2	3	4	5	6	7	8
P(x)	a	3a	5a	7a	9a	11a	13a	15a	17a

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Determine i) A ii) Mean iii) $P(0.2 \leq x \leq 10.5)$

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(OR)

- B) Two unbiased dice are thrown. Find the expected value of sum of numbers of points on them. Also find the variance.

St.Joseph's Degree & PG College

B. Sc- (MPCs/MECs/MSCs) - I Year - Semester I
End Semester Examinations March 2021 (November 2020 Cycle)

Subject: OOP's Using C++

Subject ID :CPS1305N20
Max.Marks:60

Date :12-03-2021
Time: 2hrs 30 minutes

Answer all the questions, each question carries 15 marks. 4X15 = 60 Marks

1. A) Explain Lopping statements with syntax, flowchart and program.
OR
B) Write briefly about Nested-If statement with syntax and flowchart. Write a C++ Program to find greatest number among three numbers using nested-if statement
2. A) How to declare and initialize Two-dimensional array?Write a C++ to multiply two Matrices.
OR
B) Define Function. Explain in detail about different elements of user defined function with a sample program
3. A) Explain in detail about features of Object-Oriented Programming.
OR
B) What is mean by Template? Explain about Class Template with a sample program.
4. A)Define Inheritance. Write C++ Program on Multiple Inheritance.
OR
B)Define Exception. Explain in detail about Exception Handling Mechanism.

St. Joseph's Degree & PG College

(Autonomous)

Affiliated to Osmania University

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King Koti Main Road, Hyderabad – 500029

End Semester Examination – February / March 2021(November 2020, Cycle)

B.Com/B.Sc/ B.A/B.B.A-I Year

Semester –I

Date:27-2-2021

Time: 2 hrs

Subject: Human Values and Gender Sensitivity

Max.Marks:60 marks

Section-I

2x5= 10 marks

Give your responses to the following situations in 100 words.

- 1. There is a notorious gang in your college who are always making fun of your height/ weight. They publicly shamed you at the canteen. You have told them politely and complained to your class teachers. But the nothing has worked.**

How do you feel about the situation? How would you manage this situation and what are the necessary values one should have in this case?

- 2. Imagine you are a teenager who has continuously seen your neighbor physically abuse his wife every day. You have thought about complaining to the police, but this is not easy for you because he is the only earning member of their family. The children of the family are not old enough to fight with their father.**

What would you do for the mother? How will you handle this case of domestic violence and ensure a safe living situation for the mother.

Section-II

II Answer any five of the following questions in about 200 words each, choosing AT LEAST TWO EACH FROM A and B.

5 x 10=50marks

A. Human Values

1. What are Values? What is the need for Value Education?
2. What is Self exploration? What are the features of Self-exploration?
3. What is Prosperity? What is the difference between Wealth and Prosperity? Can wealth ensure happiness in our life?
4. What are the basic things for fulfillment of basic human aspirations? Discuss in detail.

5. What is the basis of healthy interpersonal relationships?

B. Gender Sensitivity

1. What is the objective of gender sensitization? Why is there a need for Gender sensitivity?

2. What is Gender stereotyping and how does it lead to gender discrimination?

3. Write an essay on domestic violence against women in India and its remedies.

4. Write a note on the Nirbhaya Act.

5. Write short notes on the following:

i) Mahila E-haat / Sakhi

ii) Sexual harassment at Workplace Act
