

Computer Based Examination System

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Title *	Question Paper Answer Key
OES Exam *	GPSC01202113 Lecturers in Orthodontics and Dentofacial Orthopaedics Completed 2021-04-10

1	Question Description	Important aspect of the mini aesthetic is:
	A	Incisor height/width ratio
	B	Black triangle
	C	Connectors
	D	Buccal Corridors
	Correct Answer	A
	Marks	1

2

Question Description	Maximum Distilization of maxillary arch is seen with
A	Cervical Headgear
B	Occipital headgear
C	High pull headgear
D	Combi pull headgear
Correct Answer	A
Marks	1

3

Question Description	Dental compensation in skeletal Class III cases is:
A	Retroclined lower incisors.
B	Proclined lower and retroclined upper incisors.
C	Retroclined lower and Proclined upper incisors.
D	Proclined lower and Proclined upper incisors.
Correct Answer	D
Marks	1

4	Question Description	Artistic positioning bend is
	A	First order bend
	B	Second order bend
	C	Third order bend
	D	None of the above
	Correct Answer	B
	Marks	1
5	Question Description	The cartilage of first pharyngeal arch is called
	A	Septal cartilage
	B	Meckel's cartilage
	C	Condylar cartilage
	D	Riechet's cartilage
	Correct Answer	B
	Marks	1

6	Question Description	Middle layer of Optiflex wire contains:
	A	Silicon Dioxide
	B	Strain resistant Nylon
	C	TefloN
	D	Silicon resin
	Correct Answer	A
	Marks	1
7	Question Description	RPE is assessed by:
	A	OPG.
	B	Lateral cephalogram.
	C	Upper occlusal radiograph.
	D	Lower occlusal.
	Correct Answer	C
	Marks	1

8	Question Description	According to envelope of discrepancy, maximum amount of upper incisor retraction achieved is:
	A	7mm
	B	16mm
	C	9mm
	D	26mm
	Correct Answer	A
	Marks	1
9	Question Description	The orthodontic diagnosis focuses on
	A	Full smile
	B	Enjoyment smile
	C	Social smile
	D	Gummy smile only
	Correct Answer	C
	Marks	1

10	Question Description	The Stainless steel used to make orthodontic wires is
	A	Austenitic
	B	Ferritic
	C	Martensitic
	D	Duplex
	Correct Answer	A
	Marks	1
11	Question Description	Surgery done to reduce gummy smile is
	A	Lefort 1 osteotomy
	B	BSSO
	C	Genioplasty
	D	Maxillary segmental osteotomy
	Correct Answer	A
	Marks	1

12	Question Description	Bite of accommodation means:
	A	Habitual forward posturing of mandible to Class I.
	B	Posturing of mandible to Class III due to a premature contact.
	C	Posturing the mandible laterally to establish maximum cuspatation in bilaterally narrow maxilla cases.
	D	Posturing the mandible back to Class II, when actually in Class I.
	Correct Answer	C
	Marks	1
13	Question Description	During which of the following orthodontic tooth movement , the centre of rotation is at the bracket slot:
	A	Controlled tipping
	B	Torque
	C	Tipping
	D	Rotation
	Correct Answer	D
	Marks	1

14	Question Description	Which of the following is an example of dynamic anchorage:
	A	Sved plate
	B	Transpalatal arch
	C	Tip back bends
	D	Nance palatal button
	Correct Answer	A
	Marks	1
15	Question Description	The first bone formed in response to orthodontic loading is
	A	Woven bone
	B	Lamellar bone
	C	Composite bone
	D	Bundle bone
	Correct Answer	A
	Marks	1

16	Question Description	Trifocal ellipse is:
	A	Braiders' arch form
	B	Rickets arch form
	C	Mushroom shaped form
	D	Bonwill Hawley form
	Correct Answer	A
	Marks	1
17	Question Description	Tissue borne RPE appliance is:
	A	Hyrax appliance.
	B	Hass appliance.
	C	Quadhelix.
	D	Spring jet.
	Correct Answer	B
	Marks	1

18	Question Description	Most common teeth involved in transposition are
	A	Maxillary central incisor and lateral incisor
	B	Maxillary canine and first premolar
	C	Maxillary first and second premolar
	D	Maxillary canine and lateral incisor
	Correct Answer	B
	Marks	1
19	Question Description	Apertognathia refers to:
	A	Open bite
	B	Deep bite
	C	Cross bite
	D	Scissor bite
	Correct Answer	A
	Marks	1

20	Question Description	Which appliance is also known as skeletanized Activator:
	A	Frankel II
	B	Bimler Appliance
	C	Bionator
	D	Twin Block
	Correct Answer	C
	Marks	1

21	Question Description	Differential straight arch technique is commonly known as
	A	Straight wire
	B	Tip Edge
	C	Damon Appliance
	D	Passive self ligating appliance
	Correct Answer	B
	Marks	1

22	Question Description	Shape memory and Super elasticity are unique features of
	A	Stainless steel
	B	Cobalt chromium
	C	TMA
	D	NiTi
	Correct Answer	D
	Marks	1
23	Question Description	The first bone formed in response to orthodontic loading is:
	A	Lamellar
	B	Woven
	C	Compact
	D	Composite
	Correct Answer	B
	Marks	1

24	Question Description	Activator used in class III correction
	A	Harvold-Woodside activator
	B	Herren-Shaye activator
	C	Wunderer activator
	D	Bow activator
	Correct Answer	C
	Marks	1
25	Question Description	Power ridges is a smart force feature used in:
	A	Lingual orthodontics
	B	Labial orthodontics
	C	Aligner therapy
	D	Myobrace therapy
	Correct Answer	C
	Marks	1

26	Question Description	Well aligned deciduous dentition is an indication for:
	A	Potential crowding.
	B	Disto-occlusion.
	C	Mesio-occlusion.
	D	Well-aligned permanent teeth.
	Correct Answer	A
	Marks	1

27	Question Description	The main advantage of Ackerman and Proffit classification of malocclusion is
	A	It includes etiology
	B	It is commonly used
	C	It needs minimum investigation
	D	It includes all the three planes of space
	Correct Answer	D
	Marks	1

28	Question Description	Muscle involved in torticollis is:
	A	Temporalis.
	B	Lateral pterygoid.
	C	Zygomaticus major.
	D	Sternocleido-mastoid.
	Correct Answer	D
	Marks	1
29	Question Description	The most common sequence of eruption of permanent dentition in upper arch is:
	A	6-1-2-3-4-5-7.
	B	6-1-2-4-3-5-7.
	C	6-1-2-5-4-3-7.
	D	6-2-3-4-5-1-7.
	Correct Answer	A
	Marks	1

30	Question Description	Wagon wheel effect in orthodontics is
	A	Deepening of anterior bite due to increased tip of anterior brackets
	B	Torque loss as tip is added
	C	Tip loss as torque is added
	D	Deepening of anterior bite due to increased torque of anterior brackets
	Correct Answer	C
	Marks	1

31	Question Description	Among the following materials used in orthodontics the highest coefficient of friction is seen in
	A	Stainless steel
	B	Cobalt chromium
	C	TMA
	D	NiTi
	Correct Answer	C
	Marks	1

32	Question Description	Serial extraction was introduced by
	A	Nance
	B	Dewel
	C	Tweed
	D	Kjellgren
	Correct Answer	D
	Marks	1

33	Question Description	Zika virus as a Teratogen causes
	A	Microcephaly
	B	Cleft lip and Palate
	C	Treacher Collins syndrome
	D	Central midface deficiency
	Correct Answer	A
	Marks	1

34	Question Description	The cephalometric analysis which does not include any angular or linear measurements is
	A	McNamara Analysis
	B	Sassouni Analysis
	C	Jaraback Analysis
	D	Wits Analysis
	Correct Answer	B
	Marks	1
35	Question Description	In RPE activation is done:
	A	Once weekly.
	B	Twice weekly.
	C	Twice daily.
	D	Once monthly.
	Correct Answer	C
	Marks	1

36	Question Description	Implants for studying growth was first proposed by
	A	Bjork
	B	Scammen
	C	Branemark
	D	Ricketts
	Correct Answer	A
	Marks	1

37	Question Description	The ideal angle at which the maxillary and mandibular component of twin block meet is
	A	90 Degrees
	B	45 Degrees
	C	75 Degrees
	D	70 Degrees
	Correct Answer	D
	Marks	1

38	Question Description	Staging of tooth movement in aligners has maximum linear and relative velocity of:
	A	0.18 mm and 2 degrees
	B	2 mm and 4 degrees
	C	0.25 mm and 2 degrees
	D	2 mm and 6 degrees
	Correct Answer	A
	Marks	1
39	Question Description	Buccopharyngeal membrane is present till:
	A	2 nd week post conception
	B	3 rd week post conception
	C	4 th week post conception
	D	5 th day post conception
	Correct Answer	C
	Marks	1

40	Question Description	functional regulator used for Class II Div 1 with over jet of more than 7 mm is
	A	FR 1 a
	B	FR 1 b
	C	FR 1 c
	D	FR 3
	Correct Answer	C
	Marks	1
41	Question Description	Developing cross bite is treated with
	A	Cross bite elastics
	B	Tongue blade therapy
	C	Z spring
	D	Bite plane
	Correct Answer	B
	Marks	1

42	Question Description	Which of the following is the most common cause of gummy smile:
	A	Tipped down pre maxilla
	B	Gingival enlargement
	C	Short upper lip
	D	Maxillary vertical excess
	Correct Answer	D
	Marks	1
43	Question Description	Guidance to eruption is another term used to describe
	A	Activator
	B	Serial extraction
	C	Functional regulator
	D	Compensatory extraction
	Correct Answer	B
	Marks	1

44	Question Description	The functional matrix hypothesis was given by
	A	Sicher
	B	James Scott
	C	Melvin Moss
	D	Petrovic
	Correct Answer	C
	Marks	1
45	Question Description	The concept of driftodontics was popularized by:
	A	William Wilcko
	B	Ronald Roth
	C	Wick Alexander
	D	Howard Lang
	Correct Answer	C
	Marks	1

46	Question Description	_____ is a drug that inhibits orthodontic tooth movement
	A	Bisphosphonates
	B	Vitamin D
	C	Calcium
	D	Nifedipine
	Correct Answer	A
	Marks	1
47	Question Description	Cleft lip and palate patient often requires expansion. Appliance of choice in such cases is:
	A	Hyrax appliance.
	B	Hass appliance.
	C	Cap splint type of expansion appliance.
	D	SARPE.
	Correct Answer	C
	Marks	1

48	Question Description	Which of the following is a common feature of Angles class II Div 2
	A	Open bite
	B	Deep bite
	C	Posterior cross bite
	D	Tongue thrusting
	Correct Answer	B
	Marks	1
49	Question Description	Headgear should not be prescribed in which of the following situations
	A	Facial asymmetry is severe
	B	Posterior movement of mandibular teeth is needed
	C	Maxillary teeth need only slight restraints from forward movement
	D	The mandibular plane angle is high
	Correct Answer	D
	Marks	1

50

Question Description	In patients allergic to Nickel which of the following orthodontic brackets can be used
A	Stainless Steel
B	Polycarbonate
C	Ceramic
D	Titanium
Correct Answer	D
Marks	1

51

Comprehension

Read the following passage and answer the questions given below:-

Arnold Toynbee said about Ramakrishna that 'his religious activity and experience were comprehensive to a degree that had perhaps never before been attained by any other religious genius in India or elsewhere'. You will hear only echoes of such words if you go through some recent works on Ramakrishna published in the West. What is most important in all works for the dissemination of Vedanta philosophy in its bearings on the idea of universal religion is to affirm, without any reservation, that this ideal does not touch any religion as it exists but only urges a universal approach to all religions. By universal religion, Vivekananda meant this mingling of faiths and he thought it was Vedanta, particularly Advaita Vedanta, which could bring about this mingling of spiritual tunes in a grand harmony of faiths.

Question Description

The statement, 'his religious activity and experience were comprehensive to a degree that had perhaps never before been attained by any other religious genius in India or elsewhere', implies that as a religious genius, his religious activity and experience were

A probably the first, and so far, the most comprehensive in the world

B likely to be the most comprehensive in India and elsewhere

C those which few others had attained in the past in India or elsewhere

D perhaps the best and comprehensive attainments in the world

Correct Answer

A

Marks

1

52

Comprehension

Read the following passage and answer the questions given below:-

Arnold Toynbee said about Ramakrishna that 'his religious activity and experience were comprehensive to a degree that had perhaps never before been attained by any other religious genius in India or elsewhere'. You will hear only echoes of such words if you go through some recent works on Ramakrishna published in the West. What is most important in all works for the dissemination of Vedanta philosophy in its bearings on the idea of universal religion is to affirm, without any reservation, that this ideal does not touch any religion as it exists but only urges a universal approach to all religions. By universal religion, Vivekananda meant this mingling of faiths and he thought it was Vedanta, particularly Advaita Vedanta, which could bring about this mingling of spiritual tunes in a grand harmony of faiths.

Question Description

Identify from the following options, the most crucial thing for Vedanta philosophy, mentioned in the passage:

A

insistence on its dissemination without reservation

B

affirmation of its universal approach to religion

C

emphasis on its bearing on universal religion

D

affirmation of ideal religion as its exists

Correct Answer

B

Marks

1

53

Comprehension

Read the following passage and answer the questions given below:-

Arnold Toynbee said about Ramakrishna that 'his religious activity and experience were comprehensive to a degree that had perhaps never before been attained by any other religious genius in India or elsewhere'. You will hear only echoes of such words if you go through some recent works on Ramakrishna published in the West. What is most important in all works for the dissemination of Vedanta philosophy in its bearings on the idea of universal religion is to affirm, without any reservation, that this ideal does not touch any religion as it exists but only urges a universal approach to all religions. By universal religion, Vivekananda meant this mingling of faiths and he thought it was Vedanta, particularly Advaita Vedanta, which could bring about this mingling of spiritual tunes in a grand harmony of faiths.

Question Description

Identify from the following options, the antonym of the word 'dissemination' as it is used in the passage:

A

dissipation

B

proclamation

C

extirpation

D

propagation

Correct Answer

C

Marks

1

54

Comprehension

Read the following passage and answer the questions given below:-

Arnold Toynbee said about Ramakrishna that 'his religious activity and experience were comprehensive to a degree that had perhaps never before been attained by any other religious genius in India or elsewhere'. You will hear only echoes of such words if you go through some recent works on Ramakrishna published in the West. What is most important in all works for the dissemination of Vedanta philosophy in its bearings on the idea of universal religion is to affirm, without any reservation, that this ideal does not touch any religion as it exists but only urges a universal approach to all religions. By universal religion, Vivekananda meant this mingling of faiths and he thought it was Vedanta, particularly Advaita Vedanta, which could bring about this mingling of spiritual tunes in a grand harmony of faiths.

Question Description

Identify the word that is farthest in meaning to the word 'echo' from the options given below:

A

reflection

B

reproduction

C

reverberation

D

facsimile

Correct Answer

D

Marks

1

Comprehension

Read the following passage and answer the questions given below:-

Arnold Toynbee said about Ramakrishna that 'his religious activity and experience were comprehensive to a degree that had perhaps never before been attained by any other religious genius in India or elsewhere'. You will hear only echoes of such words if you go through some recent works on Ramakrishna published in the West. What is most important in all works for the dissemination of Vedanta philosophy in its bearings on the idea of universal religion is to affirm, without any reservation, that this ideal does not touch any religion as it exists but only urges a universal approach to all religions. By universal religion, Vivekananda meant this mingling of faiths and he thought it was Vedanta, particularly Advaita Vedanta, which could bring about this mingling of spiritual tunes in a grand harmony of faiths.

Question Description

From the options provided below, select the one that comes closest in meaning to the phrase 'grand harmony' in the sense it is used in the passage:

A

magnificent consonance of faiths

B

great concord of all religions

C

impressive accord of religions

D

awe-inspiring unison of all faiths

Correct Answer

A

Marks

1

56	Question Description	Which country has recently been renamed as 'The Kingdom of eswatini'?
	A	zambia
	B	soloman island
	C	marshall island
	D	Swaziland
	Correct Answer	D
	Marks	1

57	Question Description	Which of the following is a non metal that remains liquid at room temperature?
	A	Phosphorous
	B	Bromine
	C	Chlorine
	D	Helium
	Correct Answer	B
	Marks	1

58	Question Description	In 2021, the theme of Global Recycling Day is "_____".
	A	Air pollution
	B	Time for nature
	C	Plastic pollution
	D	Recycling Heroes
	Correct Answer	D
	Marks	1

59	Question Description	Indo-Pak Baglihar Project is located on which one of the following rivers?
	A	Jhelum
	B	Sutlej
	C	Diameter
	D	Chenab
	Correct Answer	D
	Marks	1

60	Question Description	How much is one decalitre?
	A	10 kilolitre
	B	10 litre
	C	100 litre
	D	10 centilitre
	Correct Answer	B
	Marks	1

61	Question Description	Which bank has fined Rs 2 crore for paying commission to employees?
	A	Punjab National Bank
	B	State Bank of India
	C	Union Bank of India
	D	Central Bank of India
	Correct Answer	B
	Marks	1

62

Question Description Where is "Sher Shah's Tomb" located?**A** Delhi**B** Ajmer**C** Lahore**D** Sasaram**Correct Answer** D**Marks** 1

63

Question Description Where is "Paunar Ashram" established by VinobaBhave located?**A** Maharashtra**B** Rajasthan**C** Bihar**D** Gujarat**Correct Answer** A**Marks** 1

64	Question Description	Who is the originator of the tree plantation festival known as 'Van Mahotsav' in India?
	A	Jawaharlal Nehru
	B	VinobaBhave
	C	K.R. M. Munshi
	D	Mahatma Gandhi
	Correct Answer	C
	Marks	1
65	Question Description	Name the woman officer who was included in BSF as the first woman Combat Officer of India?
	A	Devika Pathak
	B	Tejaswini Ojha
	C	Priyanka Gaikwad
	D	Tanushree Pareek
	Correct Answer	D
	Marks	1

66

Question Description

Direction: In the following question, a statement is given followed by two conclusions. Choose the correct option.

Statement: Any student who follow un-ethical practices in examination disqualifies himself from examinations

Conclusion:

- I. Those who involve in un-ethical practices in examination shall be debarred
- II. Examination system should be improved.

A

Only Conclusion (I) follows

B

Both Conclusion (I) and (II) follow

C

Neither Conclusion (I) or (II) follows

D

Only Conclusion (II) follows

Correct Answer

A

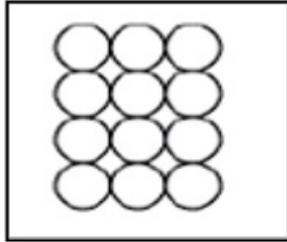
Marks

1

67

Question Description

In the given figure, if the centres of all the circles are joined by horizontal and vertical lines, then find the number of squares that can be formed.

**A**

1

B

7

C

8

D

6

Correct Answer

C

Marks

1

68

Question Description

Here are some words translated from artificial language

Zakumoty means advisement

Maluzaku means misadvise

Malubrey means misconduct

Which word could mean “argument”

A

motybrey

B

kolomoty

C

malumoty

D

breymoty

Correct Answer

B

Marks

1

69

Question Description

Seby has 6 vehicles, of which 3 vehicles are blue in color. One of the vehicle is SUV
Which of the following statement is true

A

Seby has blue SUV

B

Seby has 3 cars

C

Seby's favorite colour is blue

D

None of the above

Correct Answer

D

Marks

1

70

Question Description

In each of the question below are given four statements followed by four conclusions numbered I, II III and IV You have to take the given statements to be true even if they seem to be at variance from commonly known facts Read all the conclusions and then decide which of the given conclusions logically follows from the given statement disregarding commonly known facts.

Statements:

Some trains are cars.
All cars are branches
All branches are nets
Some nets are dresses

Conclusions:

- I. Some dresses are cars.
- II. Some nets are trains.
- III. Some branches are trains.
- IV. Some dresses are trains.

A Only I and III follow

B Only II and III follow

C Only I and IV follow

D Only II III and IV follow

Correct Answer B

Marks 1

71	Question Description	If KITE is coded as JHSD, how is FLY coded?
	A	EKX
	B	EKZ
	C	IKX
	D	IKZ
	Correct Answer	A
	Marks	1

72	Question Description	Find a pair that has similar relationship to run: jog
	A	Frog: catch
	B	Chicken: eat
	C	Rain: drizzle
	D	Swim: dive
	Correct Answer	C
	Marks	1

73

Question Description

Olive oil is more expensive than the coconut oil but is cheaper than the groundnut oil
Coconut oil is more expensive than the sunflower oil but is cheaper than the soya oil
Among the three oils, sunflower oil is the cheapest
If the first two statements are true then the third statement is

A

True

B

False

C

Uncertain

D**Correct Answer**

A

Marks

1

Question Description

In making decisions about important questions, it is desirable to be able to distinguish between ‘strong’ arguments and ‘weak’ arguments ‘Weak’ arguments are those which are of minor importance and also may not be directly related to the question or may be related to a trivial aspect of the question

Each question below is followed by three arguments numbered (A) (B) and (C) You have to decide which of the arguments is a ‘strong’ argument and which is a ‘weak’ argument.

Statement:

Should there be a cap on drawing groundwater for irrigation purposes in India?

Arguments:

- A. No irrigation is of prime importance for food production in India and it is heavily dependent on groundwater in many parts of the country.
- B. Yes, water tables have gone down to alarmingly low levels in some parts of the country where irrigation is primarily dependent on ground water, which may lead to serious environmental consequences.
- C. Yes, India just cannot afford to draw groundwater any further as the international agencies have cautioned India against it.

A Only (A) and (B) are strong

B Only (B) and (c) are strong

C Only (A) and (C) are strong

D All (A), (B) and (C) are strong

Correct Answer A

Marks 1

75

Question Description

Below given question has a main statement followed by four statements labelled A, B, C and D. Choose the ordered pair of statements, where the first statement implies the second and the two statements are logically consistent with the main statement.

You cannot catch the bus unless it is morning.

- (A) This is morning.
- (B) You can catch the bus.
- (C) This is not morning.
- (D) You cannot catch the bus.

A

BD

B

AC

C

CB

D

CD

Correct Answer

D

Marks

1